DAB
WATER•TECHNOLOGY

GENERAL CATALOGUE 50Hz

48.2024

RECYCLED PAPER

GUIDE TO READING THE GENERAL CATALOGUE

This guide provides some information to help you read the DAB General Catalogue.

CERTIFICATIONS / IMPORTANT NOTES

GENERAL CATALOGUE Unique identifier of the product family

APPLICATIONS*

AA

DTRON 2

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

7" submersible electronic multi-impeller pump designed for use in water wells, tanks or cisterns. The pump is suitable for use in residential building service for pressurization, rainwater reuse and gardening and irrigation.
The pressure switch and flow switch integrated with the electronic board, make the pump completely automatic for the switching on/off and dry running protection. It integrates a double mechanical seal, a not return valve and a handle for ease transport and installation. Built with a innovative modular design: the hydraulic part, the motor, the electrical part and the filter can be disassembled separately, simplifying the maintenance activity.
The suction height is adjustable from the bottom up to 8 cm using the special accessory supplied as standard. A float can be connected without compromising the water tightness of the pump thanks to the NFC pocket. Integrated 0.04-litre expansion vessel with no need for maintenance or refilling. The cable has a quick coupling for easier installation inside the tank/cistern.
The pump is also available in X version with 1" intake and kit X which includes 1 meter suction hose and float to prevent the suction of impurities from the bottom. The whole pump is classified as IP 68. With the accessory DOC68 (supplied separately) becomes a surface pump to be used under the water level.
* Certified version for drinking water is available on request.

Flow rate maximum 7,2 m³/h.
Head up to 45 m.
Maximum immersion depth 12 m.
Type of pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Free passage 2 mm.
Liquid temperature range from +0°C to +50°C.
Maximum immersion depth 15 m.
Set cut-in 2,4 bar (+-0,2).
Outlet connection Thread 1" 1/4.
Pump maximum diameter 185 mm.
Protection class IP 68.
Motor insulation class F.
Power cable (m) and plug 15 m with plug.
Possible type of installation Fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

DTRON 2

WRAS · ACS · NSF

ACCESSORIES PAGE 369

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q=m³/h	0	0,7	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,3	6,6	7,3	7,5		
							Q=l/min	0	11	20	30	40	50	60	70	80	90	100	105	110	122	125		
DTRON2 35/90	60195238	1 x 220-240 V ~	0,75	0,52	0,7	3,4	H (m)	37,0	35,9	35,0	33,0	30,0	26,7	22,7	18,5	13,4	7,6	0,6					11,4	15
DTRON2 45/90	60188290	1 x 220-240 V ~	0,93	0,6	0,8	4,2		45,0	43,0	41,2	38,0	34,2	29,7	24,7	20,0	15,0	9,0	2,5	0,6				11,4	15
DTRON2 35/120	60195251	1 x 220-240 V ~	0,9	0,6	0,8	4		38,0	37,6	36,3	34,0	31,5	28,9	26,0	23,2	20,0	16,3	12,0	9,8	7,5	2,2	0,7	11,4	15

X VERSION

MODEL	CODE
DTRON2 X 35/90	60195250
DTRON2 X 45/90	60195236
DTRON2 X 35/120	60195257
DTRON2 X 35/90 +1m SUCTION KIT	60196488
DTRON2 X 45/90 +1m SUCTION KIT	60196489
DTRON2 X 35/120 +1m SUCTION KIT	60196490

DTRON 2 DIMENSIONS ø 18,5 x 61 cm

discover DTRON
https://dtron.dabpumps.com

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

Sample page. Please refer to the relevant page for information on DTron 2.

* Types of applications

WATER BOOSTING · CONDITIONING · GARDENING & IRRIGATION · HEATING · SOLAR PANELS · HOT WATER · DRAINAGE · EFFLUENT

SEWAGE · GROUND WATER · MACERATORS · SWIMMING POOL · RAIN WATER REUSE · FIRE FIGHTING · IRRIGATION SYSTEMS

REGULATION
EU 2019/1781 – EU 2021/341

New ecodesign requirements for single-phase electric motors

From **1st July 2023, EU Regulation 2019/1781, as amended by EU Regulation 2021/341**, **has come into force at European level**, establishing **new ecodesign requirements** for the placing on the market or putting into service of single-phase electric motors. The aim is to further raise the performance requirements, thereby decreasing the environmental impact and consumption of resources.

In particular, **all surface pumps with air-cooled single-phase motors with a rated power between 120 W and 1000 kW must be equipped with an IE2-efficiency motor.**

To optimise production and components has involved a number of changes, first of all the changing of product codes: we therefore invite you to pay particular attention as the codes of the products involved have been changed.

Scan the QR code to use the code replacement tool

DAB
WATER•TECHNOLOGY

Turn Esybox Mini ³ into a true genius at home: with DAB LIVE!

DAB LIVE! connects to Esybox Mini ³ to keep your water and energy consumption under control. Home owners will be delighted: they can now select *Power Shower* or set *Sleep Mode*. And leaks can be quickly identified, **reducing the waste of resources and money.**

esybox mini³

DAB live!

NEW 2024

esybox max

LET'S WELCOME **THE NEWCOMER!**

ESYBOX MAX **60/120**

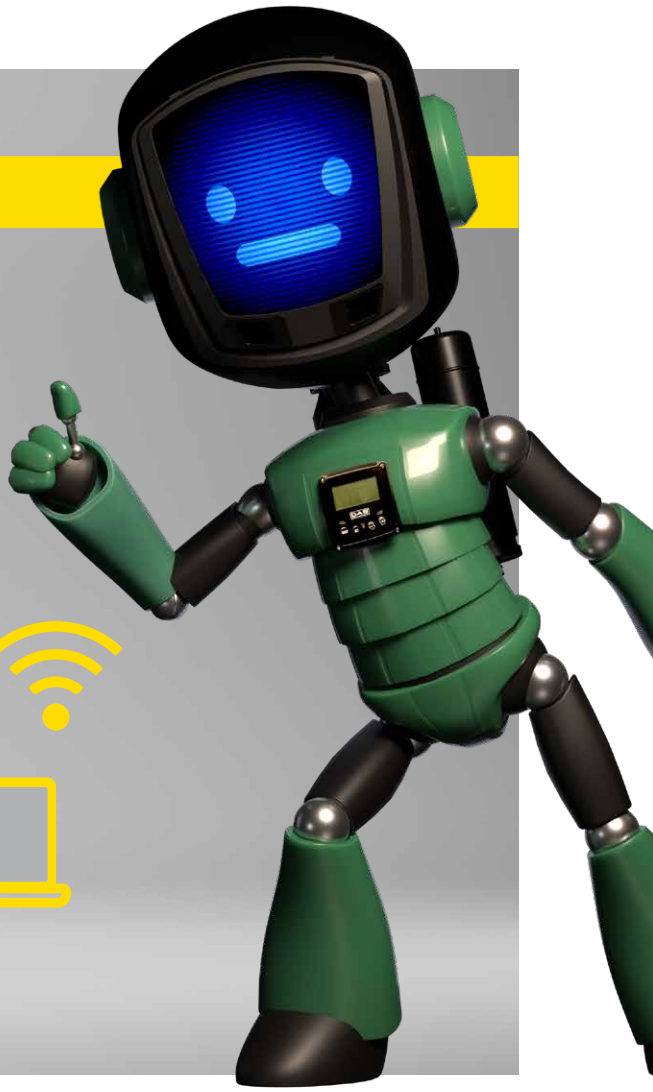
ESYBOX MAX **85/120**

ESYBOX MAX **45/120**

COMING SOON

esybox

BUILT-IN
CONNECTIVITY



COMING SOON

ngdrive + IN-LINE

SMART CIRCULATION SYSTEM

DAB
WATER•TECHNOLOGY

EDITION 2024

DAB ARENA

ARE YOU GONNA BE THE INSTALLER?

DAB WATER•TECHNOLOGY

NEWS 2024

ngDRIVE

THE NEXT GENERATION VARIABLE FREQUENCY DRIVE

Control and savings for pressure boosting and circulation.

Ideal for applications in residential and commercial settings, maximizes energy efficiency by reducing consumption and avoiding waste.

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ngPANEL

THE NEXT GENERATION CONTROL PANEL

To manage drainage and filling pumps.

Protection and control in wastewater lifting systems for commercial and residential buildings.

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AQUAFRAME MINI

esybox mini³ + bRainy

THE NEW PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM

Specific for irrigation applications in residential and commercial environments.

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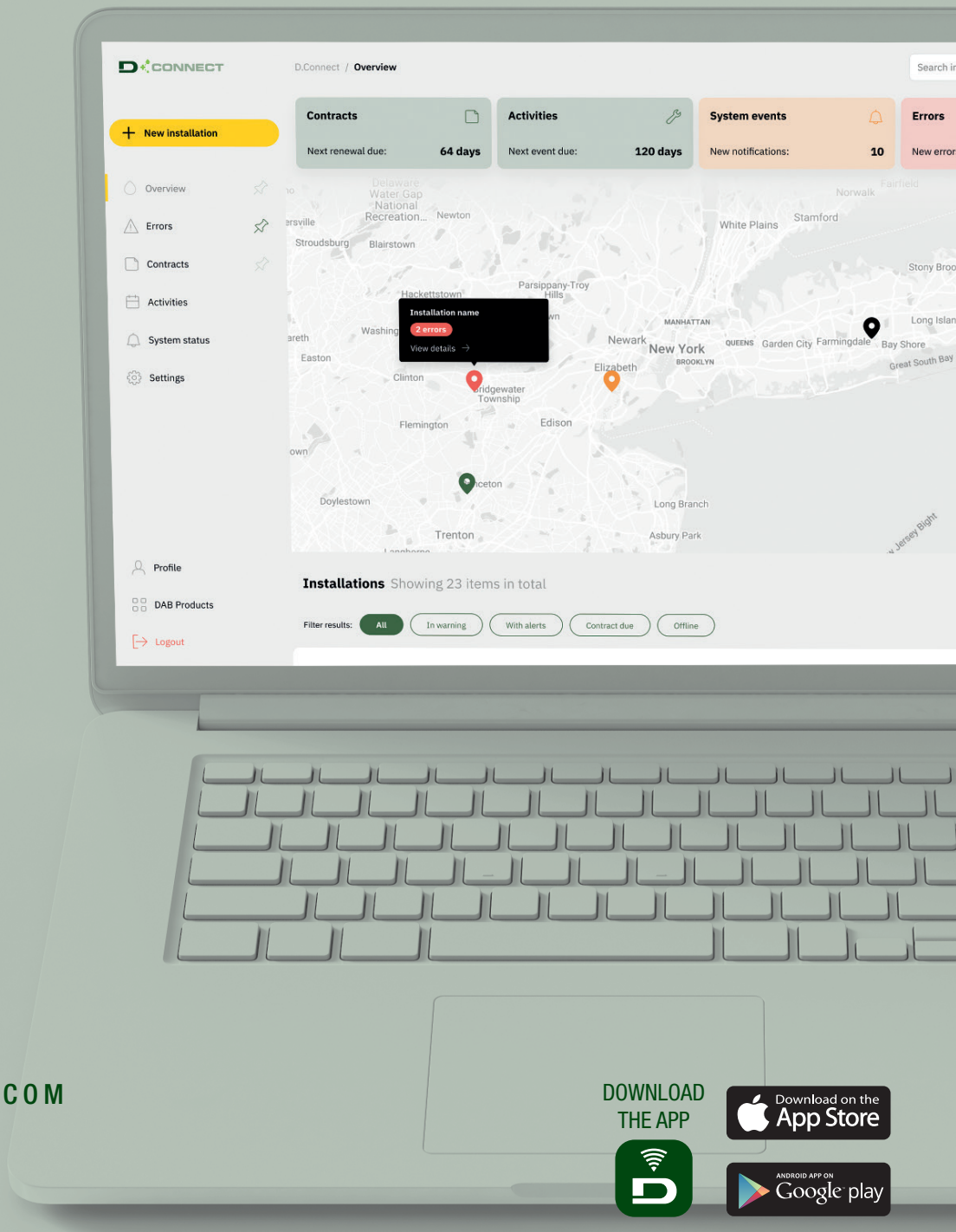
DAB WATER•TECHNOLOGY

D+ CONNECT

Easy with DConnect!

Systems under control
Simplified work routine
Growing business



INTERNETOFPUMPS.COM

DAB WATER•TECHNOLOGY

DOWNLOAD THE APP

Download on the App Store

ANDROID APP ON Google play

DCONNECT MAINTENANCE SERVICES PACK

REMOTE CONTROL FOR ELECTRONIC RESIDENTIAL AND COMMERCIAL SYSTEMS

DCONNECT MAINTENANCE SERVICES PACK

RELIABLE SUPPORT FOR AN EFFICIENT SYSTEM WITHOUT SURPRISES

GREATER EFFICIENCY | GREATER RELIABILITY | GREATER SAVINGS

GOLD AND SILVER PACKS

MAINTENANCE PACKAGES* WITH
COMPLETE REMOTE CONTROL OF YOUR SYSTEM

GOLD PACK

SILVER PACK

DAB now offers its customers two **new complete and highly professional services** based on DAB Pumps' four decades of experience, with specific support for every type of system.

FEATURES

- **Optimal control of set-up**, specific to every pump or pumping system;
- **Functional control of the pump,** after installation;
- **Quick intervention,** thanks to alerts in real time;
- **Complete remote control of the pumps,** with the DConnect app that signals any faults or errors in real time.

MAIN BENEFITS

Constant control and meticulous maintenance ensure:

- GREATER EFFICIENCY
- GREATER RELIABILITY
- REAL ENERGY SAVINGS
- GREATER DURABILITY OF THE SYSTEM

* Contact your nearest DAB branch or retailer to check availability and prices of the maintenance packages in your area of interest.

DCONNECT DIGITAL SERVICES

REMOTE CONTROL FOR ELECTRONIC RESIDENTIAL AND COMMERCIAL SYSTEMS

Taking advantage of the Cloud service, you will also be able to monitor your installation remotely, and receive alarms in real time, wherever you are.

DATA RETENTION

Thanks to the comparison of performance levels during the various seasons of use, through the data log you can analyse the long-term operation of your system.

DCONNECT DIGITAL SERVICES (NET PRICE)

DATA RETENTION 1 MONTH - MONITORING AND CONTROL

BASIC PACKAGE								
1 YEAR SERVICE	1° PUMP	2° PUMP	3° PUMP	4° PUMP	5° PUMP	6° PUMP	7° PUMP	8° PUMP
CODE	60198312	60198313	60198314	60198315	60198316	60198317	60198318	60198319

DATA RETENTION 12 MONTH - MONITORING AND CONTROL

PLUS 12 PACKAGE								
1 YEAR SERVICE	1° PUMP	2° PUMP	3° PUMP	4° PUMP	5° PUMP	6° PUMP	7° PUMP	8° PUMP
CODE	60198304	60198305	60198306	60198307	60198308	60198309	60198310	60198311

PLUS 36 PACKAGE								
3 YEARS SERVICE	1° PUMP	2° PUMP	3° PUMP	4° PUMP	5° PUMP	6° PUMP	7° PUMP	8° PUMP
CODE	60198296	60198297	60198298	60198299	60198300	60198301	60198302	60198303

2 trial months included Possibility to upgrade to a higher package at any time.

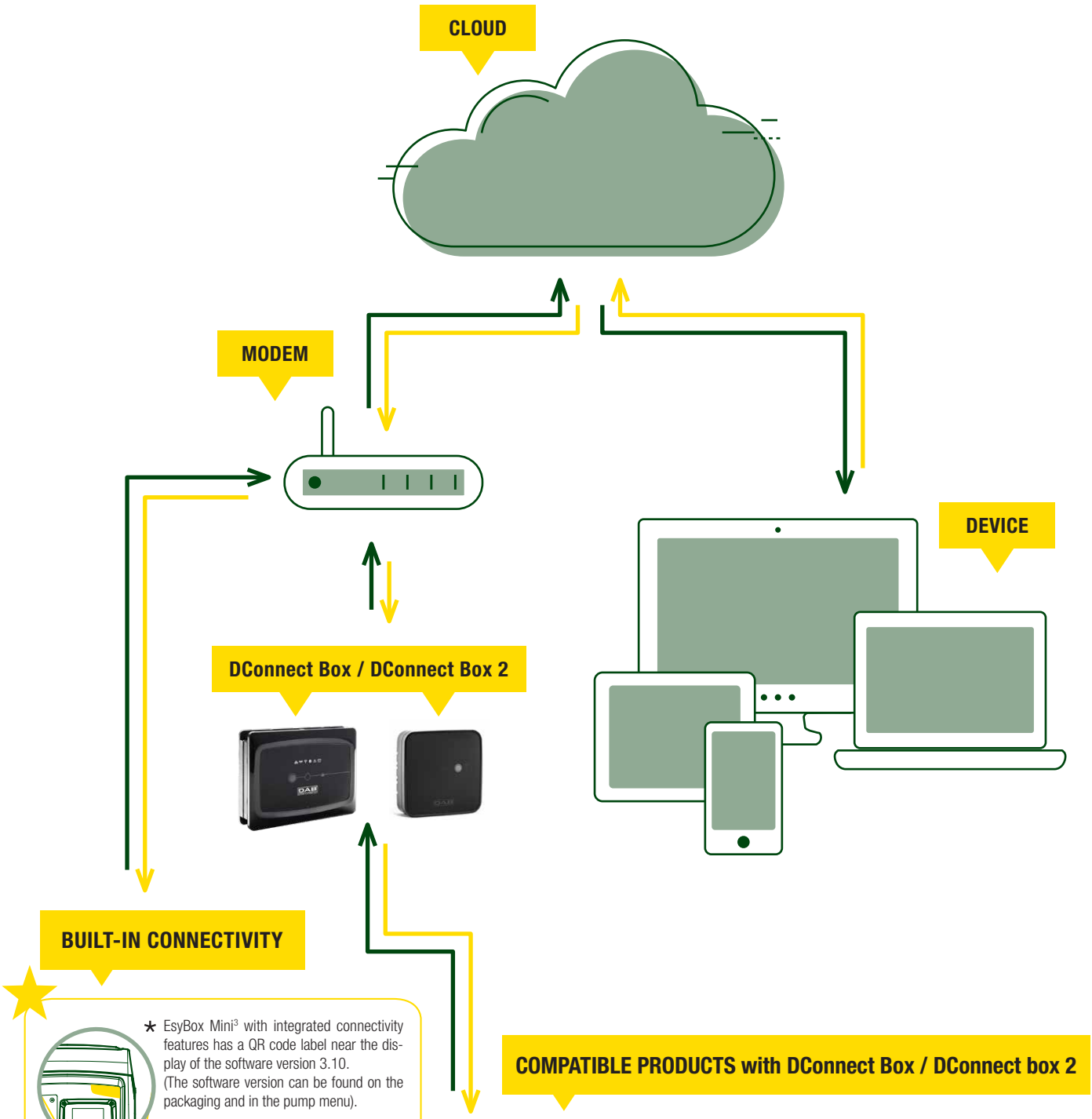
ONLY FOR MARKETS EU

DATA PACKAGE	
12-month SIM data traffic renewal service	
CODE	60202624

KIT MODEM WiFi + SIM		
	12-month of traffic included	
	CODE	60217192

Wifi modem kit with sim included in case an internet connection is not available.

OPERATION DIAGRAM



Gateways may require extra cables as an accessory depending on the pump/product to which it is coupled. See relevant product section.

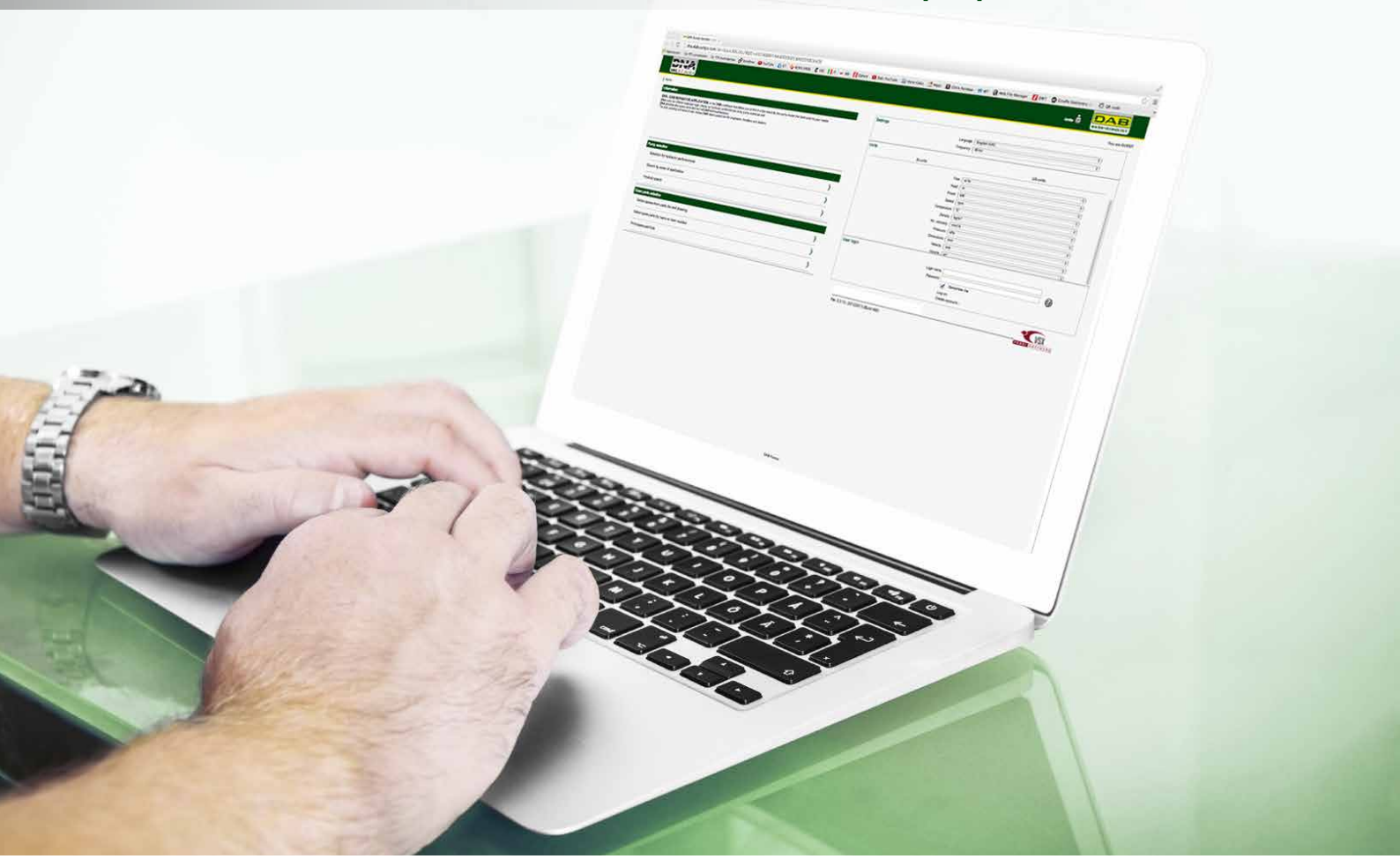
For more information visit: **internetofpumps.com**

ALL THE INFORMATION YOU NEED

DNA is the DAB software that allows you to find the pump model best suited to your needs in seconds

DNA PUMPS SELECTOR

- Frequent update and ease of use
- Perfect support tool for engineers, installers and dealers
- Provides the entire DAB spare parts list and all technical documentation
- Uses two different logical selection criteria, by hydraulic performance or by pump model
- It can be used on line, or downloaded for PC installation, from the **dna.dabpumps.com** website



DAB WATER•TECHNOLOGY

NOTES

esybox LINE

MODULARITY AND CONNECTIVITY
THE REVOLUTION OF WATER PRESSURISATION

ESYBOXLINE.COM

DAB
WATER•TECHNOLOGY

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ESYBOX MINI [3]

ELECTRONIC PRESSURISATION SYSTEM

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ESYBOX

ELECTRONIC PRESSURISATION SYSTEM

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ESYBOX DIVER

7" MULTISTAGE SUBMERSIBLE PUMPS WITH VARIABLE FREQUENCY DRIVE

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2 ESYBOX WITH ESYTWIN

ELECTRONIC PRESSURISATION SET

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ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

NEW MODELS
AVAILABLE FROM FEBRUARY 2024

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AQUAFRAME MINI

PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM

NEW - AVAILABLE FROM JUNE 2024

E7 PAGE 32

ACCESSORIES

PAGE 33

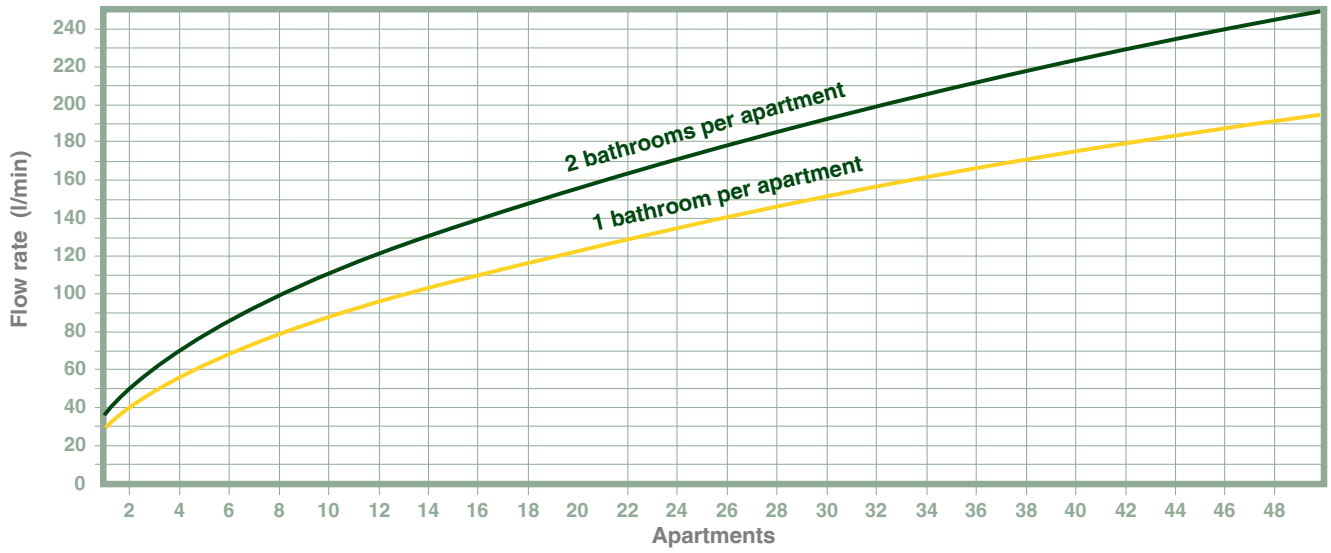
DISCOVER THE HISTORY OF
esybox LINE

WHICH ESYBOX DO YOU NEED? FOLLOW THESE STEPS:

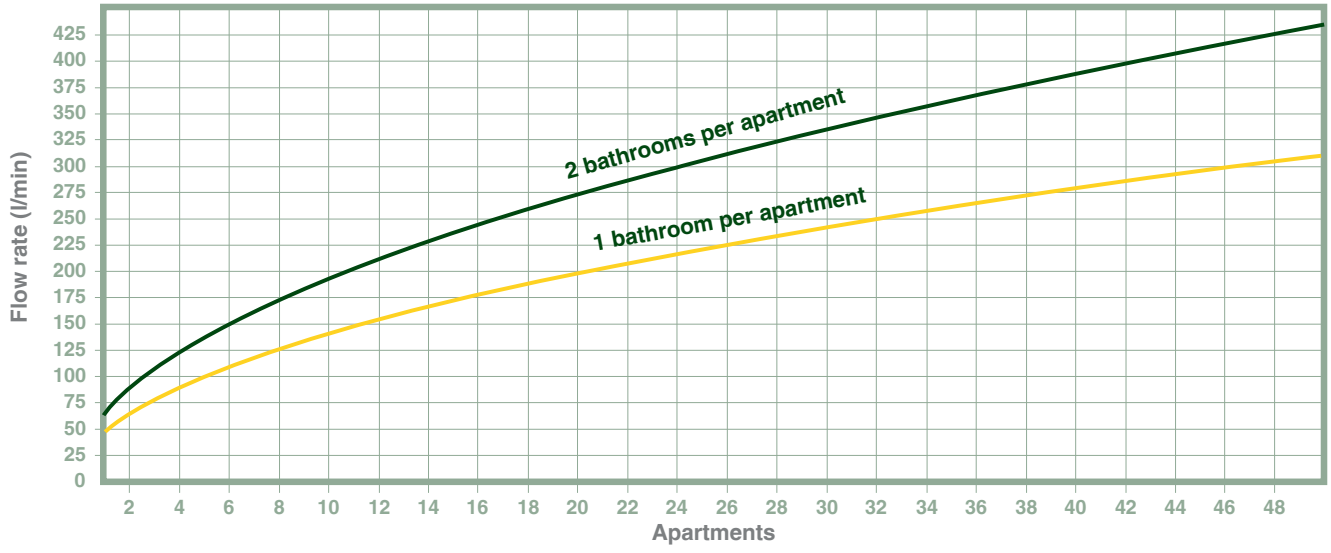
1 CALCULATION OF THE FLOW RATE

Flow rate curves in relation to the number of apartments.

TOILET TANKS



TOILET FLUSHING TAPS



2 CALCULATION OF THE HEAD

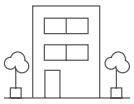
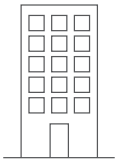
$$Head\ [m] = 3.6 \cdot \#\ floors + 20\ m$$

3.6: assuming a height per floor of 3 metres + pressure losses due to friction in the pipes equal to 20% of the total height of the building.

20 m: pressure required by the most disadvantaged user (2 bar).

The suction pressure is not taken into account as the standards prohibit direct connection of the aqueduct to the pump.
To this value must be added the pressure losses due to the devices installed in the system (softeners, boilers, ...).

EXAMPLE OF SIZING

EXAMPLE	CALCULATION	CHOICE
2 APARTMENTS EACH WITH 2 BATHROOMS 2 FLOORS 	*Flow rate required* = **51 l/min** *Head required = 3.6 · 2 +20* = **28 m**	esybox mini³ 
5 APARTMENTS EACH WITH 2 BATHROOMS 3 FLOORS 	*Flow rate required* = **79 l/min** *Head required = 3.6 · 3 +20* = **31 m**	esybox 
15 APARTMENTS EACH WITH 2 BATHROOMS 6 FLOORS 	*Flow rate required* = **136 l/min** *Head required = 3.6 · 6 +20* = **42 m**	esybox MAX 

WARNING: the calculations and tables shown on these pages are based on our experience and can never replace the calculations made by a qualified technician: they are therefore only intended to give a general, non-binding indication for planning purposes.

ESYBOX MINI 3

ELECTRONIC PRESSURISATION SYSTEM

esybox mini 3

Electronic self priming multi-impeller system for pressurization, rainwater reuse, ground water, gardening and irrigation in residential building service.
The system is "all inclusive" and ready to use, including among other components an expansion vessel, a self-priming multi-impeller pump, a variable frequency drive and a display.
The special ABS construction makes it silent, just 45 dB, so it can be positioned even in quite environments.
Water-cooled motor.
The system can be installed vertically or horizontally.
The large display (adjustable to meet different installation needs) allows easy and precise configuration of the operating parameters.
Complete with power cable and plug.
It is possible to create groups of maximum two pumps.
It supports the remote control function thanks to the DConnect service integrated directly into the system.

Operating range
Capacity up to 4,8 m³/h; head up to 55 m.

Liquid quality requirements
Clean, free from solid or abrasive contaminants, not viscous, not aggressive, not crystallised and chemically neutral.

Liquid temperature range
From 0°C to +35°C for domestic use.
For other use from 0°C to +40°C.

Maximum suction depth 8 meters.

Maximum ambient temperature +50°C.

Maximum operating pressure
7,5 bar (750 kPa).

Motor protection rating IPX4.

Insulation class F.

Installation Horizontal or vertical fixed position.

Special executions on request
Alternative types of electrical plug.

ONLINE TRAINING

BUILT-IN CONNECTIVITY

D+ CONNECT

PAGE 11

ACCESSORIES PAGE 33

MODEL	CODE	N° IMPELLERS	ELECTRICAL DATA				HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
			VOLTAGE 50 - 60 Hz	P1 MAX		In A	Q=m³h	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
				kW	HP		Q=l/min	10	20	30	40	50	60	70	80				
ESYBOX MINI 3	60212597	3	1x220-240V ~	0,85	1,1	4,8	H (m)	55,0	55,0	49,0	39,0	31,0	23,0	14,0	4,0	1"	1"	14,6	18
ESYBOX MINI 3 - KIWA	60212602	3	1x220-240V ~	0,85	1,1	4,8		55,0	55,0	49,0	39,0	31,0	23,0	14,0	4,0	1"	1"	14,6	18

The KIWA version is provided with additional pressure sensor in the suction side that blocks the pump if the inlet pressure is below the set limit, compliant with the KIWA standards.

APPLICATIONS

EsyBox Mini 3

Apartments up to 3 floors, 2 bathrooms and 50m² of garden.*

* Indicative data. Please refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS

ATTESTATION DE CONFORMITÉ SANITAIRE ACS

WRAS APPROVED PRODUCT

NSF

SUITABLE FOR PUMPING WATER FROM:

WELLS DOWN TO 8 M DEEP

RAINWATER COLLECTION TANKS

TANKS

AQUEDUCT
where permitted by law

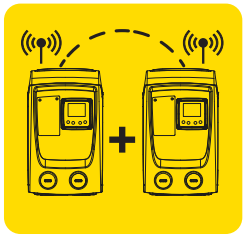
BUILT-IN **CONNECTIVITY**

MANAGE YOUR PUMP WHEREVER YOU ARE

DConnect APP (for installer)

DAB Live APP (for end user)

INTERNETOFPUMPS.COM



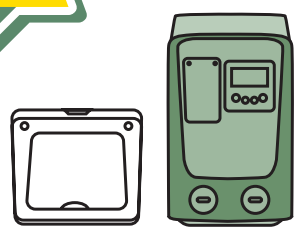
DOUBLES ITS VALUE!

CREATING GROUPS THROUGH WIRELESS:
SERVICE CONTINUITY AND INCREASED PERFORMANCE

UP TO 320 € SAVINGS PER YEAR* ON ELECTRICITY BILLS

* Calculated at a price of 0.50€/kWh, compared to a conventional booster pump (or pressurisation set) under average conditions of use.

SOUND PRESSURE** 45 db(A)



ESYBOX MINI DIMENSIONS
44 x 27 x 24 cm

HORIZONTAL VERTICAL

** Sound pressure measured at 1 meter distance in free field.

discover esybox LINE
https://esyboxline.com

ESYBOX

ELECTRONIC PRESSURISATION SYSTEM

esybox

EsyBox is DAB's new integrated system for pressurisation in domestic and residential areas.
EsyBox does not require any additional components for installation. It consists of a self-priming multistage pump, electronic inverter management, flow and pressure sensors, high-resolution swivel LCD display and an integrated 2 liter expansion tank. It can be installed both vertically and horizontally and even in tight spaces without a high air exchange.
The water-cooled engine, the hull protection in ABS with sound-absorbing function, the vibration damping feet and electronics make it an absolutely quiet (**43 dB**) and compact.
The wireless device facilitates the creation of pressurisation units and connectivity with other DAB devices.

Operating range
Capacity up to 7,2 m³/h; head up to 65 m.

Degree of protection IP X4.

Insulation class F.

Pumped liquid clean, free from solids or abrasive, not aggressive, not viscous, not crystallized and not chemically neutral.

Maximum liquid temperature 40°C.

Maximum ambient temperature 50°C.

Maximum suction depth
self priming up to 8 metres.

Maximum working pressure 8 bar (800 kPa).

Installation Horizontal or vertical fixed position.

Special executions on request
Alternative types of electrical plug.

ONLINE TRAINING

D CONNECT PAGE 11

ACCESSORIES PAGE 33

MODEL	CODE
ESYBOX	60147200
ESYBOX - KIWA	60184312

ELECTRICAL DATA				HYDRAULIC DATA														DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
VOLTAGE 50 - 60 Hz	P1 MAX		I MAX A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4	6	6,6	7,2				
	kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	120				
1x220-240 V ~	1,55	2,1	10	H (m)	65	63,5	61,5	59,5	57	53	48	41,5	35	27,5	19	10	2	1 "	1 "	27	6
1x220-240 V ~	1,55	2,1	10		65	63,5	61,5	59,5	57	53	48	41,5	35	27,5	19	10	2	1 "	1 "	27	6

The KIWA version is provided with additional pressure sensor in the suction side that blocks the pump if the inlet pressure is below the set limit, compliant with the KIWA standards.

APPLICATIONS

EsyBox

Houses and small residential buildings up to 6 floors and a maximum of 9 apartments.

CERTIFICATIONS

ATTESTATION DE CONFORMITÉ SANITAIRE ACS

WRAS APPROVED PRODUCT

NSF

SUITABLE FOR PUMPING WATER FROM:

WELLS DOWN TO 8 M DEEP

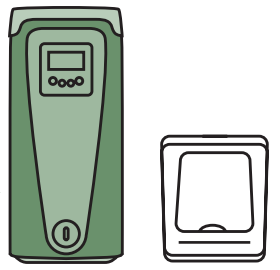
RAINWATER COLLECTION TANKS

TANKS

AQUEDUCT
where permitted by law

SINGLE ESYBOX DIMENSIONS
57 x 27 x 35 cm

SOUND PRESSURE** **45** db(A)



VERTICAL HORIZONTAL

* Calculated at a price of 0.50€/kWh, compared to a conventional booster pump (or pressurisation set) under average conditions of use.
** Sound pressure measured at 1 meter distance in free field.

discover esybox LINE
https://esyboxline.com

ESYBOX DIVER

7" MULTISTAGE SUBMERSIBLE PUMPS WITH VARIABLE FREQUENCY DRIVE

esybox DIVER

7" multi-stage electronic pump with variable frequency drive for clean water designed for use in wells, tanks or cisterns.
The pump can be used submerged, partially submerged or on the surface (with the DOC68 accessory, supplied separately).
The pump is suitable for pressurisation, rainwater re-use and gardening and irrigation activities in residential building service. The pump integrates the variable frequency drive for operation according to the system requirements a not return valve and a handle in stainless steel for transport. The electronic operation also protects against dry running and the VFD saves energy. The suction height is adjustable from the bottom up to 8 cm. It is possible to connect a float and a level sensor without compromising the water tightness of the pump thanks to the NFC (Near Field Communication) pocket. Equipped with expansion tank making the use of an additional expansion tank superfluous.
Integrated 0.04-litre expansion vessel with no need for maintenance or refilling. 15-metre power cable with plug.
Wi-Fi connectivity as standard. The DConnect Box 2 is included, by downloading the DConnect APP for Android or iOS you can control the pump from your smartphone.
The pump is available in X version with 1" inlet and X kit which includes 1 meter suction hose and float to prevent the suction of impurities from the bottom. The whole pump is IP 68 certified, it can be used on the surface (under head).

Flow rate maximum 7,2 m³/h.
Head up to 55 m.
Maximum immersion depth 12 m standard version.
Type of pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Free passage 2 mm.
Liquid temperature range from +0°C to +50°C.
Maximum immersion depth 15 m.
Set cut-in 2,4 bar (±0,2).
Outlet connection Thread 1" 1/4.
Pump maximum diameter 185 mm.
Protection class IP 68.
Motor insulation class F.
Power cable (m) and plug 15 m with plug.
Possible type of installation Fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

ONLINE TRAINING
D+ CONNECT PAGE 11
ACCESSORIES PAGE 33

MODEL	CODE
ESYBOX DIVER	60188296

ELECTRICAL DATA					HYDRAULIC DATA														WEIGHT KG	Q.TY x PALLET
VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4	6	6,6	7,2		
					Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	120		
1 x 220-240 V ~	1,3	0,95	1,3	5,5	H (m)	55	55	55	55	55	55	53	44	34	26	17	7,5		17	15

APPLICATIONS

EsyBox Diver

Houses and small residential buildings up to 6 floors and a maximum of 9 apartments.*

* Indicative data. Please refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS

ATTESTATION DE CONFORMITÉ SANITAIRE ACS
WRAS APPROVED PRODUCT
NSF

SUITABLE FOR PUMPING WATER FROM:

TANKS
RAINWATER COLLECTION TANKS
WELLS DOWN TO 8 M DEEP

X VERSION

MODEL	CODE
ESYBOX DIVER X	60195078
ESYBOX DIVER X + 1m SUCTION KIT	60196494

ESYBOX DIVER DIMENSIONS
ø 18,5 x 65 cm

discover esybox LINE
https://esyboxline.com

2 ESYBOX WITH ESYTWIN

ELECTRONIC PRESSURISATION SET

2 EsyBox with EsyTwin is the electronic water pressurisation set for domestic and residential environments.
The installation of 2 EsyBox with EsyTwin does not require any additional components. It consists of two multistage self-priming pumps with inverter electronics, pressure and flow sensors, adjustable high resolution LCD display, and 2 litre built-in expansion vessel for each pump.
The water cooled motor, the sound-proofing ABS protection guards, the anti-vibration feet and the electronics, make this a completely silent (45 dB) and compact product.
The wireless device facilitates the creation of pressurisation sets and the connection to other DAB devices.
The kit consists of two EsyBox and one EsyTwin.
The components are supplied disassembled.

Operating range
Capacity up to 14,4 m3/h; head up to 65 m.

Protection class IP X4.

Insulation class F.

Pumped Liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum temperature of liquid 40°C.

Maximum ambient temperature 50°C.

Maximum suction capacity
Self-priming to 8 metres.

Maximum operating pressure 8 bar (800 kPa).

ONLINE TRAINING

D CONNECT PAGE 11

ACCESSORIES PAGE 33

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													DNA GAS	DNM GAS	WEIGHT KG
		VOLTAGE 50 - 60 Hz	P1 MAX		I MAX 2 x A	Q=m³h	0	1,2	2,4	3,6	4,8	6,0	7,2	8,4	9,6	10,8	12	13,2	14,4			
			2 x kW	2 x HP		Q=l/min	0	20	40	60	80	100	120	140	160	180	200	220	240			
KIT 2 ESYBOX + ESYTWIN ***	60170272	1x220-240 V ~	1,55	2,1	10	H (m)	65	63,5	61,5	59,5	57	53	48	41,5	35	27,5	19	10	2	1" 1/4	1" 1/4	66

APPLICATIONS

EsyTwin

Small and large apartment complexes up to 9 floors and a maximum of 17 apartments.*

* Indicative data. Please refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS

SUITABLE FOR PUMPING WATER FROM:

WELLS DOWN TO 8 M DEEP

RAINWATER COLLECTION TANKS

TANKS

AQUEDUCT
where permitted by law

* Calculated at a price of 0.50€/kWh, compared to a conventional booster pump (or pressurisation set) under average conditions of use.
** Sound pressure measured at 1 meter distance in free field.
*** Supplied non-assembled.

discover esybox LINE
https://esyboxline.com

2 ESYBOX WITH ESYTWIN

ELECTRONIC PRESSURISATION SET

2 ESYBOX WITH ESYTWIN MEETS THE SAME NEEDS AS A WIDE RANGE OF PRESSURE SETS

Kit 2 EsyBox with EsyTwin

60170272

OSA
ON SITE ASSEMBLY

COMPACT DIMENSION

HIGH EFFICIENCY

CONSTANT PRESSURE SETS - 2 KVC, 2 JET, 2 EURO, 2 EURO INOX - AD PLUS

MODEL	CODE
2 KVC A.D. 30/50 M	60122650
2 KVC A.D. 55/50 M	60122651
2 KVC A.D. 30/80 M	60122656
2JET A.D. 132 M	500140040
2JET A.D. 151 M	500140070
2EURO A.D. 40/80 M	500140280
2EUROINOX A.D. 40/80 M	500140380
2EURO A.D. 50/50 M	500140260
2EUROINOX A.D. 50/50 M	500140360

PRESSURE SETS - 2 JET

MODEL
2 JET 102 M
2 JET 132 M
2 JET 151 M
2 JET 151 T
2 JET 251 M
2 JET 251 T

PRESSURE SETS - 2 EURO, 2 EURO INOX

MODEL
2 EURO 40/50 M
2 EURO 50/50 M
2 EURO 40/80 M
2 EURO 40/80 T
2 EUROINOX 40/50 M
2 EUROINOX 50/50 M
2 EUROINOX 40/80 M
2 EUROINOX 40/80 T

PRESSURE SETS - 2 K

MODEL
2 K35/40 M
2 K45/50 M
2 K55/50 M

PRESSURE SETS - 2 KVC

MODEL	CODE
2KVC 30/50 M 230-50	60122127
2KVC 45/80 M 230-50	60122134

esybox MAX

The most compact and integrated booster set
available on the market compared with any traditional solution

OSA
ON SITE ASSEMBLY

D+ CONNECT
WIFI BLUETOOTH CARD
INTEGRATED

ESYBOXLINE.COM

DAB
WATER•TECHNOLOGY

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

NEW MODELS (45/120) - AVAILABLE FROM FEBRUARY 2024

Integrated pumping system for water pressurisation in commercial building service.
Available in three power sizes, the system is composed of **modular elements** that allow different configurations: single, double, triple or quadruple unit are possible, to cover the needs of medium/large condominiums and high buildings (even over 14 floors).
Each unit consists of the hydraulic connection base and the pumping unit which includes an electronic vertical multi-impeller pump, display, Wi-Fi module, pressure sensors, not return valve on delivery and an expansion tank, **all integrated**.
The innovative support base of the pumping unit and the wireless communication between the pumps make it possible to **assemble the unit directly at the installation site (O.S.A. concept)** even by one person.
The variable frequency drive keeps the pressure constant by varying the frequency of the motor according to the request and also thanks to the water-cooled permanent magnet motor it allows greater efficiency and energy savings.
The large display allows easy configuration of the operating parameters with the possibility of viewing them from a smartphone (via the DConnect APP) or remotely via the DConnect service.
The expansion module (esy I / O, available as an accessory) gives the possibility to interface EsyBox Max with the BMS.

Operating range
Capacity up to 17,4 m³/h (single pump unit);
Head up to 96 m.
Type of pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Liquid temperature +50°C.
Maximum room temperature +55°C.
Maximum inlet pressure 5 bar.
Nominal pressure (PN) 12 bar / 1200 kPa.
Maximum differential pressure
9,4 bar (85/120); 6,7 bar (60/120); 5,7 bar (45/120)
Constant pressure range
1-12 bar (3 bar by default).
Maximum suction height
4 m (with bottom valve)
Motor protection class IPX5.
Motor insulation class F.
Impeller material
technopolymer with steel wear rings
Single phase power input 208-240 V 50/60 Hz.
Three phase power input 380-480 V 50/60 Hz.
Type of installation Fixed in vertical position.
Certification WRAS, NSF61, ACS

esybox max

ONLINE TRAINING | BUILT-IN CONNECTIVITY | IE5 * | OSA ON SITE ASSEMBLY | MAINTENANCE SERVICES PAGE 11 | DCONNECT PAGE 11 | ACCESSORIES PAGE 33

* According to internal laboratory tests, the efficiency of the electric motor is comparable to that of class IE5.

MODEL (only pump unit)	CODE	ELECTRICAL DATA				DNA GAS	DNM GAS	DELTA P MAX		SET POINT	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 - 60 Hz	P1 MAX		In A			Hmax m.c.a.	bar			
			kW	HP								
ESYBOX MAX 45/120 M	60217358	1x208-240 V ~	1,97	2,68	9,4	1"1/4 / 2"	1"1/4 / 2"	58	5,7	1-12	29	6
ESYBOX MAX 45/120 T	60217356	3x380-480 V ~	1,93	2,59	3,4	1"1/4 / 2"	1"1/4 / 2"	58	5,7	1-12	29	6
ESYBOX MAX 60/120 M	60199039	1x208-240 V ~	2,68	3,6	12,5-11,5	1"1/4 / 2"	1"1/4 / 2"	69	6,7	1-12	29	6
ESYBOX MAX 60/120 T	60199035	3x380-480 V ~	2,65	3,5	4,4	1"1/4 / 2"	1"1/4 / 2"	69	6,7	1-12	29	6
ESYBOX MAX 85/120 T	60195100	3x380-480 V ~	3,5	4,7	5,6	1"1/4 / 2"	1"1/4 / 2"	96	9,4	1-12	30	6

MODEL	CODE	WEIGHT KG	Q.TY x PALLET
ESYDOCK MAX	60195200	9	12
2 ESYDOCK MAX	60198332	18	6
3 ESYDOCK MAX	60198333	27	3

ESYDOCK

2 ESYDOCK

3 ESYDOCK

APPLICATIONS

CONDOMINIUM
Example: 10 floors
20 apartments

HOTEL
Example: 6 floors
80 Rooms

HOSPITAL
Example: 4 floors
100 Beds

Indicative data. Please refer to the technical catalogue or DNA for correct sizing.

UP TO 2350€ SAVINGS PER YEAR* ON ELECTRICITY BILLS

* Calculated at a price of 0.50€/kWh for EsyBox Max 85/120, compared to a conventional booster pump (or pressurisation set) under average conditions of use.

CERTIFICATIONS

ATTESTATION DE CONFORMITÉ SANITAIRE ACS | WRAS APPROVED PRODUCT | NSF

SUITABLE FOR PUMPING WATER FROM:

NO SELF-PRIMING

TANKS

AQUEDUCT
where permitted by law

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

SELECTION TABLE

MODEL	Q=m³/h	0,012	2,4	3,6	4,8	6	7,2	8,4	9	9,6	10,8	11,4	14,4	17,4
	Q=l/min	0,2	40	60	80	100	120	140	150	160	180	190	240	290
ESYBOX MAX 45/120 M	H (mt)	58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
ESYBOX MAX 45/120 T		58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
ESYBOX MAX 60/120 M		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
ESYBOX MAX 60/120 T		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
ESYBOX MAX 85/120 T		96	96	96	96	96	84	75	71	65,0	56,7	51,6	29	9

MODEL	Q=m³/h	0,024	4,8	7,2	9,6	12	14,4	16,8	18	19,2	21,6	22,8	28,8	34,8
	Q=l/min	0,4	80	120	160	200	240	280	300	320	360	380	480	580
2 ESYBOX MAX 45/120 M	H (mt)	58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
2 ESYBOX MAX 45/120 T		58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
2 ESYBOX MAX 60/120 M		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
2 ESYBOX MAX 60/120 T		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
2 ESYBOX MAX 85/120 T		96	96	96	96	96	84	75	71	65,0	56,7	51,6	29	9

MODEL	Q=m³/h	0,036	7,2	10,8	14,4	18	21,6	25,2	27	28,8	32,4	34,2	43,2	52,2
	Q=l/min	0,6	120	180	240	300	360	420	450	480	540	570	720	870
3 ESYBOX MAX 45/120 M	H (mt)	58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
3 ESYBOX MAX 45/120 T		58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
3 ESYBOX MAX 60/120 M		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
3 ESYBOX MAX 60/120 T		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
3 ESYBOX MAX 85/120 T		96	96	96	96	96	84	75	71	65,0	56,7	51,6	29	9

MODEL	Q=m³/h	0,048	9,6	14,4	19,2	24	28,8	33,6	36	38,4	43,2	45,6	57,6	69,6
	Q=l/min	0,8	160	240	320	400	480	560	600	640	720	760	960	1160
4 ESYBOX MAX 45/120 M	H (mt)	58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
4 ESYBOX MAX 45/120 T		58	58	58	58	52	45	38,5	35,5	32,3	26	23	7	-
4 ESYBOX MAX 60/120 M		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
4 ESYBOX MAX 60/120 T		69	69	69	69	69	61	53	50	46,5	40,5	37,2	21	3,9
4 ESYBOX MAX 85/120 T		96	96	96	96	96	84	75	71	65,0	56,7	51,6	29	9

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

Efficiency at the state of the art

The DAB inverter has been combined with a brand new permanent magnet motor. We also designed completely new hydraulics, making it leap ahead in terms of energy efficiency.

20%
Energy Saving

What about logistics

EsyBox Max will improve the storage efficiency in your warehouse.

Where there was once one booster occupying space, you can now fit three in its place, that's three times more efficient!

This allows you to store the full range on one pallet, meaning your customer can pick up an off the shelf booster solution of up to 4 pumps the same day.

That's efficient!

1 PIECE OF 2 KVC - AD PLUS

6 PIECES OF ESYBOX MAX
+
3 PIECES OF 2ESYDOCK MAX

As quick as a "click"

Install Esydock into your pipework system and simply "plug" your pumps in. A final quick set up via the digital DConnect app completes your installation project.

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

OSA
ON SITE ASSEMBLY

Easy to move & install

Keeping it flexible, we have the On-Site Assembly concept. So if you have difficulties getting to the pumps location, due to narrow stairways and corridors etc.., you can choose to assemble your booster on-site which will only require moving smaller lighter boxes into the location then carry out our quick assembly steps.

D+ CONNECT

Affordable web based remote control for your installation

You can use your smartphone to connect directly with the pump using the simple interface. It will automatically detect the language, time and unit of measurement at the installation site, which will save you time during the first set up of the system. All adjustments are possible remotely allowing total control with no unwanted surprises.
DConnect makes monitoring DAB products easy and intuitive.

D+ CONNECT
WIFI BLUETOOTH CARD INTEGRATED

ANDROID APP ON Google play

Download on the App Store

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

CONFIGURATION TABLE

GROUP TOTAL (PUMP UNIT + DOCK)	PUMP UNIT			DOCK		
	MODEL	CODE	Q.TY PUMP UNIT	MODEL	CODE	Q.TY DOCK
 esybox max	ESYBOX MAX 45/120 M	60217358	1 PUMP UNITS 	ESYDOCK MAX	60195200	1 DOCK 
	ESYBOX MAX 45/120 T	60217356				
	ESYBOX MAX 60/120 M	60199039				
	ESYBOX MAX 60/120 T	60199035				
	ESYBOX MAX 85/120 T	60195100				
 2 esybox max *	ESYBOX MAX 45/120 M	60217358	2 PUMP UNITS 	2 ESYDOCK MAX	60198332	1 DOCK 
	ESYBOX MAX 45/120 T	60217356				
	ESYBOX MAX 60/120 M	60199039				
	ESYBOX MAX 60/120 T	60199035				
	ESYBOX MAX 85/120 T	60195100				
 3 esybox max	ESYBOX MAX 45/120 M	60217358	3 PUMP UNITS 	3 ESYDOCK MAX	60198333	1 DOCK 
	ESYBOX MAX 45/120 T	60217356				
	ESYBOX MAX 60/120 M	60199039				
	ESYBOX MAX 60/120 T	60199035				
	ESYBOX MAX 85/120 T	60195100				

* With 2 units of 2 EsyBox Max with the Joint Kit (code 60202520) you obtain the 4 pump units group.

DIMENSIONS (PUMP UNIT + DOCK) **77 x 38 x 38 cm**

SOUND PRESSURE** **63 db(A)**

DIMENSIONS (ONLY DOCK) **23 x 38 x 38 cm**

esybox max

DIMENSIONS (PUMP UNIT + DOCK) **77 x 81 x 38 cm**

DIMENSIONS (ONLY DOCK) **23 x 81 x 38 cm**

2 esybox max

DIMENSIONS (PUMP UNIT + DOCK) **77 x 125 x 38 cm**

DIMENSIONS (ONLY DOCK) **23 x 125 x 38 cm**

3 esybox max

To configure the 2, 3, 4 EsyBox Max version you can combine the control panel and the pillar kit to facilitate the electrical sectioning of the pumps.

** Sound pressure measured at 1 meter distance in free field, 50 l/min and 6 bar.

ESYBOX MAX

ELECTRONIC PRESSURISATION SYSTEM

2 ESYBOX MAX MEETS THE SAME NEEDS AS A WIDE RANGE OF PRESSURE SETS

SETS WITH INVERTER

KVC - AD PLUS SETS	2 ESYBOX MAX
MODEL	MODEL
2KVC A.D. 45/120 M	2 ESYBOX MAX 45/120 M
2KVC A.D. 45/120 T	2 ESYBOX MAX 45/120 T
2KVC A.D. 60/120 T	2 ESYBOX MAX 60/120 T
2KVC A.D. 70/120 T	2 ESYBOX MAX 85/120 T
2KVC A.D. 85/120 T	

KVCXE - MCE-P DCONNECT SETS	2 ESYBOX MAX
MODEL	MODEL
2KVCXE 45/120 T+N MCE/P DCONNECT	2 ESYBOX MAX 45/120 T
2KVCXE 60/120 T MCE/P DCONNECT	2 ESYBOX MAX 60/120 T

NKVE - MCE-P SETS	2 ESYBOX MAX
MODEL	MODEL
2NKVE 10/6 S T MCE 400-50	2 ESYBOX MAX 60/120 T
2NKVE 10/7 S T MCE 400-50	
2NKVE 10/8 S T MCE 400-50	2 ESYBOX MAX 85/120 T
2NKVE 10/9 S T MCE 400-50	
2NKVE 10/10 S T MCE 400-50	

NKVE - MCE-P DCONNECT SETS	2 ESYBOX MAX
MODEL	MODEL
2NKVE 10/6 S T MCE 400-50	2 ESYBOX MAX 60/120 T
2NKVE 10/7 S T MCE 400-50	
2NKVE 10/8 S T MCE 400-50	2 ESYBOX MAX 85/120 T
2NKVE 10/10 S T MCE 400-50	

ON-OFF SETS

NKV SETS	2 ESYBOX MAX
MODEL	MODEL
2NKV 10/6 S T	2 ESYBOX MAX 60/120 T
2NKV 10/7 S T	
2NKV 10/8 S T	2 ESYBOX MAX 85/120 T
2NKV 10/9 S T	
2NKV 10/10 S T	

NKV WITH EBOX SETS	2 ESYBOX MAX
MODEL	MODEL
2NKV 10/6 T S EBOX 400/50	2 ESYBOX MAX 60/120 T
2NKV 10/7 T S EBOX 400/50	
2NKV 10/8 T S EBOX 400/50	2 ESYBOX MAX 85/120 T
2NKV 10/9 T S EBOX 400/50	
2NKV 10/10 T S EBOX 400/50	

KVC SETS	2 ESYBOX MAX
MODEL	MODEL
2KVC 45/120 M 230-50	2 ESYBOX MAX 45/120 M
2KVC 45/120 T 400-50	2 ESYBOX MAX 45/120 T
2KVC 60/120 T 400/50	2 ESYBOX MAX 60/120 T
2KVC 70/120 T 400/50	2 ESYBOX MAX 85/120 T
2KVC 85/120 T 400/50	

AQUAFRAME MINI

PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM

NEW - AVAILABLE FROM JUNE 2024

Pressurization system designed for the management and re-use of rainwater. Specific for irrigation applications in residential and commercial environments. Equipped with an integrated 150 liter separation tank for the “Air Gap”, the system is compliant with UNI EN1717 regulations for the protection of drinking water from pollution. Comes with stainless steel manifold and shut-off valves. Compatible with one or two EsyBox Mini[3].

Type of pumped liquid
clean, free of solids
Class of protection IPX4
Maximum pressure 7.5 bar

bRainy

Aquaframe Mini integrates bRainy, the controller designed specifically for rainwater recovery applications. Characterized by intuitive graphics, bRainy allows you to understand the status of the system and the level of the tanks,do to the level sensors supplied as standard. The reset of errors or the exclusion of the tanks in case of maintenance is immediate thanks to the touch controls integrated on the front of the panel. The system can always be managed via app and can be connected to the Internet, to make the most of the new digital services dedicated to water and energy saving.

ESYBOX MINI[3] PAGE 20

MODEL	CODE	ELECTRICAL DATA	HYDRAULIC DATA		WEIGHT (EXCLUDED PUMPS) KG
		VOLTAGE 50 Hz	DNA	DNM	
AQUAFRAME MINI	60216997	1 x 220-240 V ~	1”	1” 1/2	89

* Esybox mini[3] not included

COUPLING WITH ESYBOX MINI[3]

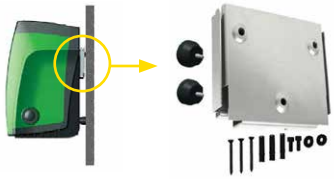
MODEL	CODE	HYDRAULIC DATA														
Q=m³h		0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4	6	6,6	7,2	7,8	8,7
Q=l/min		0	10	20	30	40	50	60	70	80	90	100	110	120	130	145
 1 x ESYBOX MINI[3]	60212597	59	59	52	43	34	25	17	7							
 2 x ESYBOX MINI[3]		60	60	59	55	51	46	42	37	32	28	23	19	14	9	1

H (m)

ACCESSORIES FOR ESYBOX LINE

ESYBOX - ESYBOX MINI³ ACCESSORIES

ELECTRONIC PRESSURISATION SYSTEM

	MODEL	CODE
 ALSO SUITABLE FOR ESYBOX MINI³	**KIT PIPE UNION 3PCS MF 1" WITH O-RING** Kit consisting of 2 x 3-pieces unions, to facilitate the connection of Esybox and Esybox mini³ to the system.	SP00000630
 ALSO SUITABLE FOR ESYBOX MINI³	ESYWALL Kit complete with brackets, screws, dowels and two accessories for absorption of vibrations.	60161442

KIT OUTDOOR	MODEL	CODE
 FOR ESYBOX	ESYCOVER + ESYGRID **KIT OUTDOOR ESYBOX** Consisting of Esycover +Esygrid, which allows the installation of ESYBOX outside, protecting it from rain and the entry of foreign bodies. **Vertical installation only.**	60203669
 FOR ESYBOX MINI³	ESYCOVER + ESYGRID **KIT OUTDOOR ESYBOX MINI ³** Consisting of Esycover +Esygrid, which allows the installation of ESYBOX MINI³ outside, protecting it from rain and the entry of foreign bodies. **Vertical installation only.**	60203672

ESYGRID

INSECT GRILLS

Suitable for vertical or horizontal installation.
Suitable for both EsyBox and EsyBox Mini ³.

ESYCOVER

OUTSIDE INSTALLATION

Suitable for both EsyBox and EsyBox Mini ³.

ESYBOX ACCESSORIES

ELECTRONIC PRESSURISATION SYSTEM

	MODEL	CODE
 18 x 29 x 32 cm	**ESYDOCK** Thanks to the 4 plumbing configuration possibilities offers an 'installation even more rapid, easy and flexible. It is complete with all the interfaces required for connecting to the system. It incorporates anti vibration feet to ensure the same quietness as Esybox.	60147247
 23 x 75 x 35 cm	**ESYTWIN** Esytwin is the evolution of Esydock, of which maintains all the benefits, for the creation of two groups of pumps. Esytwin offers exceptional performance thanks to possibility of combined operation with a reduced size of 50% compared to any other equivalent traditional system.	60160491
	**ESYTWIN DOUBLE CONNECTION KIT** 2" T suction and delivery manifold connection kit for the connection of 2 Esytwin and the creation of boosters with up to 4 Esybox. Suction and delivery manifold, each one consisting of: no. 2 x 1"1/4 Nipples no. 2 x 1"1/4 female -and 2" male reductions no. 3 x 2" 3-pieces connectors no. 1 x 2" female T connector	60184281

DELIVERY AND SUCTION FITTING 1" ¼

68 x 29 x 35 cm

KIT DIMENSIONS
73 x 75 x 35 cm

ESYBOX ACCESSORIES

ELECTRONIC PRESSURISATION SYSTEM

	MODEL		CODE
 166 x 87 x 60 cm * Esybox not included.	**ESYTANK** Tank specially studied to better integrate with Esybox and equipped with: • Esydock (specially version) for quick connection. • Suction hose with foot valve • Filling valve from the water supply with float • Overflow • Flow connection • Preparation for ground mounting • Inspection plug Capacity 500 L with the possibility of expansion on 3 sides.	ESYTANK TYPE AG OVERFLOW	60161819
		ESYTANK CAT5 TYPE AB OVERFLOW	60186098
	**ESYTANK AUXILIARY CISTERN** The ESYTANK AUXILIARY CITERN is supplied without any fittings or the ESYDOCK. The tank has a modular design to couple easily with other ESYTANK units, making the system expandable to the necessary capacity. It can be connected on three sides (at side and rear) using the ESYTANK TANK COUPLING KIT.		60166063
	**ESYTANK COUPLING KIT** The ESYTANK COUPLING KIT is composed of a PVC sleeve with gasket (D.160 mm L=150), two PVC aligning pipes (D.50mm x L=60) and a connecting ring nut for a 2-pump option. It allows the connection of several ESYTANK units or between ESYTANK and ESYTANK AUXILIARY CITERN.		60166008
	**ESYTANK OPTIONAL DELIVERY KIT** Composed of a 1" PP pipe. It allows an auxiliary delivery for single tank systems or with the COUPLING KIT it allows several ESYTANK and ESYBOX systems to be linked together and to create pressure boosting units with several pumps and tanks.		60162079

	MODEL	CODE
	**KIT ESYLINK *** Esylink with power supplier and electric box.	60164735

* Provided to be wired.

ESYBOX DIVER ACCESSORIES

ELECTRONIC PRESSURISATION SYSTEM

FM E7

	DESCRIPTION	CODE
	**DCONNECT BOX 2** Thanks to DConnect Box 2 and the new App you can check the pump, set the starting and stopping parameters, view the details of alarms and monitor the status of the system directly on your smartphone. With the level sensor (available for Esybox Diver) it is also possible to monitor the water level in the tank. The DConnect Box 2 allows you to access the DAB cloud service.	60196424
	**NFC WATER LEVEL MEASUREMENT** Only connected to the DConnect Box 2, controls the level of water in the tank and notifies the user of the level via an App (available for Esybox Diver).	60184570

AA

	DESCRIPTION	CODE
	**NFC FLOAT** Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.	60184577
	**SUCTION KIT FOR X VERSION** It can be used in combination with Version X to collect water at such a level as to avoid the pumping of dust and mud found at the bottom of wells and tanks.	60195974
	**DOC68** The DOC68 permits installation of the Esybox Diver even outdoors as an IP68 certified surface pump.	60192274

ESYBOX MAX ACCESSORIES

ELECTRONIC BOOSTER SET

G4

	DESCRIPTION		ESYBOX MAX	2 ESYBOX MAX	3 ESYBOX MAX	4 ESYBOX MAX	CODE
	**ESY I/O** The electronic expansion module allows Esybox Max to interface with the external input/output devices (eg: float switch, pressure switch, remote alarm) and with the BMS world (Building Management System).		●	●	●	●	60200914
	**ELECTRIC PANEL** Electrical connection panels for 2 or 3 pumps complete with magneto-thermic switches for powering multi-pump units. It can be installed on the wall or directly to Esybox Max units using the dedicated pillar kit.	ELECTRIC PANEL E2G5,2 M 230V		● 1 x 230 V		● 2 x 1 x 230 V	60201595
		ELECTRIC PANEL E2G7 T 400V		● 3 x 400 V		● 2 x 3 x 400 V	60201596
		ELECTRIC PANEL E3G7.8 M 230V			● 1 x 230 V		60206676
		ELECTRIC PANEL E3G10.5 T 400V			● 3 x 400 V		60201597
	**COLUMN KIT** Column for mounting the electrical panel directly on the frame of the multi-pump system.			●	●	● 2 x	60201600
	**JOINT KIT** Kit consisting of 2 pieces of 3-pieces unions and 2 pieces of 2" nipples to connect the delivery and suction of a pair of 2 Esydock Max to create 4-units Esybox Max groups.					●	60202520

ESYBOX ACCESSORIES

ELECTRONIC PRESSURISATION SYSTEM

1x

+

1x

Max 4x

MODEL	Codes available at page 21.
ESYBOX	

Update to the following version is required:
VE 5.X or later

MODEL	CODE
DCONNECT BOX	60172819

1x

+

1x

Max 4x

MODEL	Codes available at page 21.
ESYBOX	

Update to the following version is required:
VE 5.X or later

MODEL	CODE
DCONNECT BOX 2	60196424

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NEW 2024

ngdrive

THE NEXT GENERATION VARIABLE FREQUENCY DRIVE

CONTROL AND SAVINGS FOR PRESSURE BOOSTING AND CIRCULATION

DABPUMPS.COM

DAB WATER•TECHNOLOGY

NGDRIVE

VARIABLE SPEED CONTROL UNIT

NEW - AVAILABLE FROM MARCH 2024

Variable frequency drive with color display. Thanks to a single software you can manage different applications. The same control unit can manage pressurization systems or circulation systems, it is possible to select the type of system in the initial menu (wizard). NgDrive must be installed directly on the wall without the use of additional accessories (wall fixing plate included). NgDrive can control in-line pumps in heating or conditioning systems, pumps for the circulation of domestic hot water and pumps for pressurization in residential and commercial building. The variable frequency drive allows performance to be adapted to the actual demands of the system and, thanks to a gradual decrease in speed, protects the pump from water hammer. Cooling via an integrated fan ensures protection from overheating. The revolutions of the pump motor are adjusted to the needs, allowing energy savings and reducing the wear on the components. The graphic display allows easy reading of the operations and through a guided start menu (wizard) facilitates the start of the system. Adaptable to existing installation, it is also used in systems with submersible pumps to increase the water pressure. Remote control is possible thanks to the DConnect App and connection via Wi-Fi and Bluetooth. There is a USB type A socket to connect a dongle with a 4G modem.

Single-phase power supply
1 x 220 - 240 V +/- 10% 50/60 Hz
Three-phase power supply
3 x 380 - 480 V +/- 10% 50/60 Hz 3 x 230 V +/- 10% 50/60 Hz
Maximum operating current
5,3 A (M/T 1,1kW) 10,5A (M/T 2,2 kW) 6A (T/T 2,2 kW) 10,5 A (T/T 230V 2,2 kW)
Degree of protection
IP 55
Operating room temperature
-10°C +50°C
Communication protocols
RS485 MODBUS RTU
Up to 6 NgDrives can be connected to each other wirelessly

ngdrive

BUILT-IN **CONNECTIVITY**

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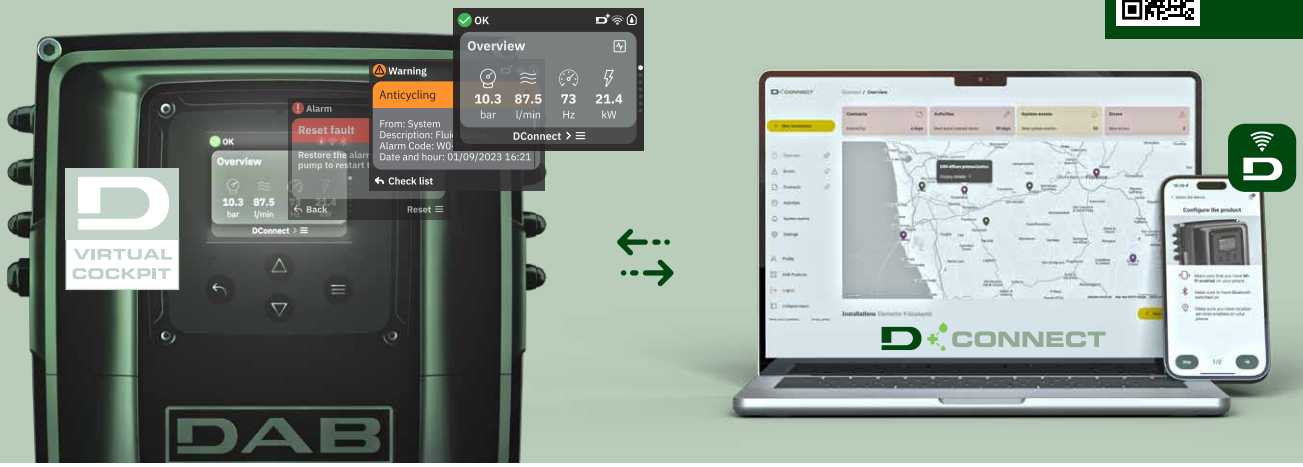
MODEL	CODE	MOTOR NOMINAL MAX CURRENT A	INPUT VOLTAGE VAC	OUTPUT VOLTAGE VAC
NGDRIVE 5.3A M/T 220-240V 50/60 1.1kW	60211460	6	1 x 220-240 +/- 10%	3 x 230
NGDRIVE 10.5A M/T 220-240V 50/60 2.2kW	60211457	10.5	1 x 220-240 +/- 10%	3 x 230
NGDRIVE 10.5A T/T 220-240V 50/60 2.2kW	60211458	10.5	3 x 220-240 +/- 10%	3 x 230
NGDRIVE 7A T/T 380-480V 50/60 2.7kW	60211459	7	3 x 400 +/- 10%	3 x 400

DAB SMART SYSTEM

NgDrive used in conjunction with **DAB Virtual Cockpit** and **DConnect**, it takes user experience to the next level, providing pump control from any location, optimising the relevant procedure, which becomes extremely simple, intuitive and effective: this means fast setup, direct status monitoring, and immediate alarm warnings on screen.

Connected to the internet, **NgDrive** harnesses all its potential for increasingly flexible, smarter system control.

DISCOVER MORE



MCE-C

VARIABLE SPEED CONTROL UNIT

MCE-C inverters are used for the management of circulation pumps and set themselves apart due to ease of use, power, simplicity of installation and management.
MCE-C inverters are designed for use with circulator pumps to enable simple control of differential pressure, thereby adapting pump performances to match effective system requirements.
The solution of mounting on the motor base greatly simplifies installation of the pump with **MCE-C** in minimal times.
Ease of programming is guaranteed by the use of an interface similar to DAB Dialogue and a graphic display.
MCE-C inverters feature dual microprocessor architecture to guarantee maximum efficiency and reliability. Sturdy and reliable construction is combined with modern and innovative styling to complete the product also in terms of aesthetics.
MCE-C inverters protect the pump thanks to integrated safety devices. They are also able to prolong the useful lifetime of the pump thanks to the elimination of water hammer and rotation of the pump at the minimum rpm necessary to meet the requirements of the user.

Last but not least, these inverters save power by keeping pump consumption to the minimum levels strictly necessary to meet user requirements.

Equipped with communication module for the creation of twin pump sets.
Should ΔP-v proportional differential pressure regulation be required, specify the pump model on which the inverter will be installed.
When installing twin sets, the connection cable must be ordered separately.

ONLINE TRAINING

D+ CONNECT PAGE 11

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MODEL	CODE
MCE/C 30	60144660
MCE/C 55	60144662
MCE/C 110	60144664
MCE/C 150	60144665

NOMINAL MOTOR POWER KW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 Hz	MOTOR FRAME
3	7,5	2.0	Three-phase 3x400	Three-phase 3x400	100
5,5	13,5	2.0	Three-phase 3x400	Three-phase 3x400	112 132
11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160
15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160

MCE-P

VARIABLE SPEED CONTROL UNIT

MCE-P inverters are used for the management of pressurization pumps intended for complex professional applications.
MCE-P inverters can drive three-phase pumps up to 15kW.
These units combine the simplicity with the robust design and power of an inverter drive.
MCE-P are mounted on the pump, and are equipped with pressure sensors and the **optional flow sensors** as required. The use of a flow sensor, moreover, allows a better pressure regulation.
The **MCE-P** can easily be set up in booster sets,thanks to a standard wire cable connection.
Comfort, energy saving, protections and simplicity are the keywords of this professional series.

The **MCE-P** units are air cooled.
The **MCE-P** can be easily installed in existing systems and can operates with all pumps Facility to create sets with interchange of up to 8 pumps.

ONLINE TRAINING

D+ CONNECT PAGE 11

ACCESSORIES PAGE 53

MODEL	CODE	NOMINAL MOTOR POWER KW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 Hz	MOTOR FRAME
MCE/P 30	60145922	3	7,5	2.0	Three-phase 3x400	Three-phase 3x400	100
MCE/P 55	60145923	5,5	13,5	2.0	Three-phase 3x400	Three-phase 3x400	112 132
MCE/P 110	60145924	11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160
MCE/P 150	60145925	15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160

ADAC

VARIABLE SPEED CONTROL UNIT

ADAC inverters are intended for **HEAVY PROFESSIONAL APPLICATIONS.**
They can drive pumps of up to 15 kW. These units combine the simplicity with the robust design and power of an inverter drive. They can be installed in a control panel and must be supplied with external pressure.
The use of a flow sensor (optional), allows a better pressure regulation.
The **ADAC** can easily be set up in booster sets,thanks to a standard wire cable connection.
Comfort, energy saving, protections and simplicity are the keywords of this professional series.

The ADAC units are air cooled. These extremely robust panel-mounting inverters feature a metal body and are suitable for heavy-duty applications. ADAC ensure the utmost practicality and increase the average working life of the system, permitting also significant savings in power consumption.

ADAC

ONLINE TRAINING

D+ CONNECT PAGE 11

ACCESSORIES PAGE 53

MODEL	CODE	NOMINAL MOTOR POWER kW	MAX NOMINAL MOTOR CURRENT A	MIN NOMINAL MOTOR CURRENT A	VOLTAGE 50 Hz	PUMP VOLTAGE 50 - 200 Hz
ADAC T/T 3.0	60145525	3,0	9,0	2	Three-phase 3x400	3x400
ADAC T/T 4.0	60145526	4,0	11	2	Three-phase 3x400	3x400
ADAC T/T 5.5	60145527	5,5	15	2	Three-phase 3x400	3x400
ADAC T/T 7.5	88002773	7,5	22	2	Three-phase 3x400	3x400
ADAC T/T 11	88002774	11	31	2	Three-phase 3x400	3x400
ADAC T/T 15	88002775	15	41	2	Three-phase 3x400	3x400

ACTIVE DRIVER PLUS

VARIABLE SPEED CONTROL UNIT

ACTIVEDRIVER plus

Active Driver Plus are inverters used for the control of hydraulic pumps. Their obvious fields of application are domestic, industrial, and agricultural constant pressure pumping systems.
The OLED display offers an extremely simple and intuitive graphic interface. Displaying or changing any parameters is extremely simple, which in turn also simplifies maintenance.
Installation is also very easy: the installation wizard asks the user for the parameters required for the configuration.
Active Driver Plus inverters provide a reduction of electric consumption, thanks to the inverter technology, whilst at the same time ensuring maximum comfort thanks to the constant pressure.
They are extremely versatile, as they do not require external sensors and not return valves. There is in-fact a built-in pressure sensor, a flow switch, and a not return valve.
The advantages of Active Driver Plus are:
- Comfort, thanks to the constant pressure,
- Energy savings, thanks to the inverter technology.
- Less noise,
- Compact shape,
- All the built-in protections: dry run, overload, abnormal voltage, overtemperature, freezing.

Line voltage 115V and 230V single-phase. 400V three-phase.

Electric pump voltage 115V and 230V single-phase; 230V and 400V three-phase.

Power supply frequency 50 Hz - 60 Hz.

Installation
Vertical and horizontal (M/M and M/T only).

Maximum liquid temperature 50°C.

Max operating temperature 50°C.

Max flow rate 18m³/h.

Maximum working pressure 13 bar.

Pressure regulation range from 1 to 13 bar.

Suction diameter (DNA) 1 1/4" male.

Delivery diameter (DNM) 1 1/2" female.

Protection level IP55.

Communication interface for sets
YES, an Active Driver Plus for each pump.
Not return valve not required.
Equipped with graphic display.

ONLINE TRAINING

WRAS APPROVED PRODUCT

D+ CONNECT PAGE 11

MODEL	CODE	MAX CURRENT OF MOTOR A	MAX MOTOR POWER kW	VOLTAGE 50 Hz	PUMP SUPPLY VOLTAGE Volt	CONNECTIVITY FOR PARALLEL WORKING	TO BE USED WITH PUMPS TYPE	PRESSURE REGULATION RANGE BAR	WEIGHT Kg	Q.TY X PALLET
ACTIVE DRIVER PLUS M/M 1,1	60149661	8,5	1,1	Single-phase 1x230	Single-phase 1x230	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 8,5 A.	1-9	3,5	32
ACTIVE DRIVER PLUS M/M 1,5/DUAL VOLTAGE	60170688	11	0,55 1,5	Single-phase 1x115 1x230	Single-phase 1x115 1x230	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 11 A.	1-9	3,5	32
ACTIVE DRIVER PLUS M/M 1,8/DUAL VOLTAGE	60170689	14	1,0 1,8	Single-phase 1x115 1x230	Single-phase 1x115 1x230	YES	Surface pumps, 4" submersible pumps and 5" pumps with single-phase motor and input current of up to 14 A.	1-9	3,8	32
ACTIVE DRIVER PLUS M/T 1	60169777	4,7	1,0	Single-phase 1x230	Three-phase 3x230	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 230V motor and input current of up to 4,7 A.	1-9	3,5	32
ACTIVE DRIVER PLUS M/T 2,2	60170687	10,5	2,2	Single-phase 1x230	Three-phase 3x230	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 230V motor and input current of up to 10,5 A.	1-13	3,5	32
ACTIVE DRIVER PLUS T/T 3	60169808	7,5	3,0	Three-phase 3x400	Three-phase 3x400	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 7,5 A.	1-13	4,5	32
ACTIVE DRIVER PLUS T/T 5,5	60170715	13,3	5,5	Three-phase 3x400	Three-phase 3x400	YES	Surface pumps, 4" submersible pumps and 5" pumps with three-phase 400V motor and input current of up to 13,3 A.	1-13	4,6	32

NEW 2024

ngpanel

THE NEXT GENERATION CONTROL PANEL
TO MANAGE DRAINAGE AND FILLING PUMPS

DABPUMPS.COM

DAB WATER•TECHNOLOGY

NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANEL

NEW - AVAILABLE FROM MARCH 2024

Electrical control panel for the protection and automatic operation of one or two submersible pumps, both single-phase and three-phase, installed in a commercial environment. Thanks to the possibility of regulating the current, the panel is compatible with all pump models powered with a current between 1 A and 29 A as reported in the product compatibility table
Guided procedure (Wizard) from the display or other connected devices that allows you to start the pumps in just a few steps.
All configurations, controls and alarm viewing also takes place directly on a smartphone or tablet with the app, or on a PC portal, via the DConnect digital services.
Integrated connectivity via bluetooth, wi-fi and modbus.
NGPANEL also has a USB port where you can connect a 4G dongle to have connectivity in areas not covered by Wi-Fi.

Single-phase power 1 x 230 V
Three-phase power 3x400 V 50 Hz
Maximum operating current
2 x 12 A , 2 x 20 A, 1 x 29 A
IP protection IP55
Room temperature -10°C +50°C
Starting capacitor accessories
Maximum altitude 1.000 above sea level

BUILT-IN **CONNECTIVITY**

ACCESSORIES PAGE 53

MODEL	CODE	VOLTAGE 50/60 Hz	STARTING	PUMP MAX CURRENT A	PUMP MAX POWER (P2) kW
NGPANEL 1 PUMP 29 A	60212822	1 x 230 VAC	DIRECT	29	4,5
		3 x 400 VAC		12	5,5
NGPANEL 2 PUMPS 20 A	60212821	1 x 230 VAC	DIRECT	20	2,5
		3 x 400 VAC		12	5,5
NGPANEL 2 PUMPS 12 A	60211088	1 x 230 VAC	DIRECT	12	1,5
		3 x 400 VAC		12	5,5

DAB SMART SYSTEM

NgPanel used in conjunction with **DAB Virtual Cockpit** and **DConnect**, it takes user experience to the next level, providing pump control from any location, optimising the relevant procedure, which becomes extremely simple, intuitive and effective: this means fast setup, direct status monitoring, and immediate alarm warnings on screen.

Connected to the internet, **NgPanel** harnesses all its potential for increasingly flexible, smarter system control.

DISCOVER MORE

D CONNECT

TRY IT, IT'S FREE!

NgPanel gives you the opportunity to try **DAB**'s integrated smart system experience free for a whole year.

FREE 12 MONTHS

EBOX

ELECTRONIC PROTECTION AND CONTROL PANEL

EBox Basic
Electronic control panel for the protection and automatic operation of one or two single-phase submersible or pressurization pumps for domestic applications. Compatible with all pump models with current between 1 and 12 A with power up to 2,2 kW, as shown in the product compatibility table.

EBox Plus
Electronic control panel for the protection and automatic operation of one or two submersible or pressurization pumps, both single-phase and three-phase, installed in residential building service or commercial building service. Thanks to the possibility of regulating the current, the panel is compatible with all pump models supplied with current between 1 and 12 A with power up to 5,5 kW as shown in the product compatibility table.

Nominal tension of power supply
EBox Plus 1 x 230 V / 3 x 230 V - 3 x 400 V (automatic selection).
EBox Basic 1x 230 V.
Frequency 50 - 60 Hz.
Maximum use of power
EBox Plus 5,5 kWatt + 5,5 kWatt.
EBox Basic 2,2 kWatt + 2,2 kWatt.
Maximum use of current 12 A + 12 A.
Starting capacitor
Kit supplied as an accessory.
Limits of use ambient temperature
-10°C +40°C.
Limits of storage temperature -25°C +55°C.
Relative humidity to the air 90% a 20°C.
Max altitude max 1000 s.l.m.
Degree of protection IP55.
Reference standard for the construction of the panels EN 60335-1.

ebox

ONLINE TRAINING

ACCESSORIES PAGE 53

MODEL	CODE	VOLTAGE 50 HZ	STARTING	P2 NOMINAL		MAX CURRENT A
				kW x2	HP x2	
E-BOX BASIC 230/50-60	60163214	1 X 230 V	DIRECT	2,2	3	12+12
E-BOX PLUS 230-400V/50-60	60163215	1 X 230 V	DIRECT	2,2	3	12+12
		3 X 230 V		3	4	
		3 X 400 V		5,5	7,5	

SMART PRESS

ON/OFF CONTROLLER

The Smart Press controls starting and stopping of the pump.
This device offers dry run protection for the pump.
It is advisable to use an expansion vessel.

Smart Press has an adjustable minimum restart pressure and with high flow rates, pressure losses are low.
All the Smart Press models have a manual and automatic restart.

SMART PRESS

MODEL	CODE	SETTING PRESSURE bar	DNA GAS	DNM GAS	WEIGHT Kg	Q.TY x PALLET
SMART PRESS WG 1,5 - AUTOM. RESET - WITHOUT CABLE	60114808	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 1,5 - AUTOM. RESET - WITH CABLE	60113308	1,5	1 " M	1 " ¼ F	1,6	100
SMART PRESS WG 3.0 - AUTOM. RESET - WITHOUT CABLE	60114809	1,5	1 " M	1 " ¼ F	1,3	100
SMART PRESS WG 3.0 - AUTOM. RESET. - WITH CABLE	60113922	1,5	1 " M	1 " ¼ F	1,6	100

CONTROL D-SET - CONTROL D G-SET

ON/OFF CONTROLLER

CONTROL D G-SET

CONTROL D-SET

Device for controlling and protecting the pump, to be used in residential settings for pressurization systems, irrigation of gardens and small vegetable patches. It starts and stops the pump automatically based on the opening or closing of a user, stops the pump in case of lack of water and protects it from dry running.
It is equipped with automatic reset in case of blockage and anti-blocking function.
It does not require maintenance. It must be installed on the delivery pipe. There are indicator lights to indicate the operating status and the water shortage alarm status.

Single-phase power
115 V / 230 V 50 Hz / 60 Hz
Maximum power 0,75 kW (1 HP) 1x115 V - 1,5 kW (2 HP) 1 x 230 V
Maximum current 10 A
IP protection IP 65
Room temperature 65°C
Dimension of delivery and intake port Male 1”
Minimum flow 1 l/m
Maximum working pressure 12 bar

MODEL	CODE
CONTROL-D SET 1.5 KW WITHOUT CABLE	60180510
CONTROL-D GSET 1.5 KW WITHOUT CABLE + PRESSURE GAUGE	60180931
CONTROL-D 1,5 BAR 1,5 KW WITHOUT CABLE	60180505
CONTROL-D 1,2 BAR 1.5 KW WITHOUT CABLE	60180503
CONTROL-D 2,2 BAR 1.5 KW WITHOUT CABLE	60180506

ACCESSORIES FOR CONTROL UNIT

VARIABLE SPEED CONTROL UNIT ACCESSORIES

NOTES FOR PER MCE-C INSTALLATION

SINGLE INSTALLATION (Accessories to order)	MULTIPLE INSTALLATION (Accessories to order)
- differential sensor.	- differential sensor. - connection cable.

NOTES FOR ADAC AND MCE-P INSTALLATION

SINGLE INSTALLATION (Accessories to order)	MULTIPLE INSTALLATION FROM 2 UP TO 8 INVERTER (Accessories to order)
- pressure sensor. **OPTIONAL:** flow sensor, flow sensor bracket, flow sensor cable.	- pressure sensor. - **connection cable** (number as necessary to connect all inverters installed; e.g. for 8 inverters order 7 connection cables).
IMPORTANT: optionally more than one pressure sensor can be fitted (min. 1 per inverter, max. 1 per inverter).Optional: flow sensor, flow sensor bracket, flow sensor cable. **IMPORTANT:** just 1 flow sensor can be fitted on the outlet manifold or 1 flow sensor on the outlet of each pump.	

PRESSURE SENSOR	DESCRIPTION	NGDRIVE	MCE/C	ADAC	MCE/P	CODE
	DIFFER. SENSOR 4BAR HUBA (C)	•	•			60144674
	DIFFER. SENSOR 10BAR HUBA (C)	•	•			60144675
	PRESS. SENSOR 25 BAR COMPL. WITH CABLE (2 MT.)	•		•	•	60146289
	PRESS. SENSOR 25 BAR COMPL. WITH CABLE (4 MT.)	•		•	•	88002533
	PRESS. SENSOR. 4-20 MA - 25 BAR WITH CABLE (1,5 MT)	•		•	•	60162878

VARIABLE SPEED CONTROL UNIT ACCESSORIES

FLOW SENSOR	DESCRIPTION	NGDRIVE	ADAC	MCE/P	CODE
	FLOW SENSOR F3H13 (CABLE NOT INCLUDED)	•	•	•	60146290
	FLOW SENSOR F3H15 (CABLE NOT INCLUDED)	•	•	•	60146291

FLANGE FOR FLOW SENSOR	DESCRIPTION	NGDRIVE	ADAC	MCE/P	CODICE
	MOUNT. FLANGE FOR FLOW SENS. F3H13 PLAST. PIPE 2" (63 MM)	•	•	•	88002228
	MOUNT. FLANGE FOR FLOW SENS. F3H13 PLAST. PIPE 2" 1/2 (75 MM)	•	•	•	88002229
	MOUNT. FLANGE FOR FLOW SENS. F3H13 PLAST. PIPE 3" (90 MM)	•	•	•	88002227
	MOUNT. FLANGE FOR FLOW SENS. F3H13 PLAST. PIPE 4" (110 MM)	•	•	•	88002154
	MOUNT. FLANGE FOR FLOW SENS. F3H13 PLAST. PIPE 6" (160 MM)	•	•	•	88002236
	MOUNT. FLANGE FOR FLOW SENS. F3H13 MET. PIPE 2" (63 MM)	•	•	•	88002442
	MOUNT. FLANGE FOR FLOW SENS. F3H13 MET. PIPE 3" (88.9 MM)	•	•	•	88002152
	MOUNT. FLANGE FOR FLOW SENS. F3H13 MET. PIPE 4" (114.3 MM)	•	•	•	88002153
	MOUNT. FLANGE FOR FLOW SENS. F3H13 MET. PIPE 6" (168.3 MM)	•	•	•	88002440
	MOUNT. FLANGE FOR FLOW SENS. F3H13 MET. PIPE 8" (219.1 MM)	•	•	•	88002439

CABLES	DESCRIPTION	NGDRIVE	MCE/C	ADAC	MCE/P	CODE
	PRESSURE SENSOR CABLE MCE 1 MT					60120929
	PRESSURE SENSOR CABLE MCE 2 MT					60145637
	FLOW SENSOR CABLE 2 MT.	•		•	•	60146292
	FLOW SENSOR CABLE 4 MT.	•		•	•	88002311
	FLOW SENSOR CABLE 10 MT.	•		•	•	88002617
	FLOW SENSOR CABLE 32 MT.	•		•		88002618
	FLOW SENSOR CABLE 49 MT.	•		•		88002619
	FLOW SENSOR CABLE 99 MT.	•		•		88002621
	PRESSURE SENSOR CABLE 4 MT.	•		•	•	88002310
	PRESSURE SENSOR CABLE 10 MT.	•		•	•	88002614
	PRESSURE SENSOR CABLE 32 MT.	•		•		88002615
	PRESSURE SENSOR CABLE 49 MT.	•		•		88002616
	PRESSURE SENSOR CABLE 99 MT.	•		•		88002620
	CABLE FOR ADAC CONNECTION			•		88002479
	CABLE X MCE TWIN CONNECT				•	60144673

NGPANEL - EBOX ACCESSORIES

FLOATS	DESCRIPTION		CODE
	FLOAT KEY	5 meters cable	159260030
		10 meters cable	159260040
		15 meters cable	159260050
		20 meters cable	159260070
	BULB-FLOAT	10 meters	002718000
		20 meters	002718001

LEVEL TRANSDUCER	DESCRIPTION	CODE
	PRESSURE TRANSDUCER 0-5 MT- CABLE 20 MT. FOR E-BOX	60114675

LEVEL PROBE	DESCRIPTION	CODE
	**COMPLETE - ELECTRODE PROBE** Suitable for conductive liquids with a maximum temperature of +40°C. To be connected with a 1,5 mm² cable - 550 V insulation. Sensibility ≤ 53 kOhm.	002775000

PRESSURE SWITCH	DESCRIPTION	CODE
	PRESSURE SWITCH FOR PROTECTION AGAINST DRY RUNNING	002717002

NGPANEL - EBOX ACCESSORIES

KIT CAPACITOR	DESCRIPTION	CODE
	**KIT CAPACITOR 40UF (EBOX)**	60169268
	KIT CAPACITOR 30UF (EBOX)	60169269
	KIT CAPACITOR 20UF (EBOX)	60169270

ALARM	DESCRIPTION	CODE
	**FLASHING 230V 5W 50/60 HZ**	60169271

PRESSURE SENSOR	DESCRIPTION	CODE
	**PRESS. TRAS. 16 BAR** (EBOX for pressurization use)	60116837

VARIABLE SPEED CONTROL UNIT ACCESSORIES

1x

Max 2x

MODEL	Codes available at page 44.
MCE-C	

Only the MCE-C with DConnect READY label are DConnect compatible

+

1x

MODEL	CODE
DCONNECT BOX	60172819

+

1x each inverter/ group

MODEL	CODE
CABLE FOR MCE CONNECTION 2 m + CLAMP	60188147

1x

Max 8x

MODEL	Codes available at page 45.
MCE-P	

Only the MCE-P with DConnect READY label are DConnect compatible

+

1x

MODEL	CODE
DCONNECT BOX	60172819

+

1x each inverter/ group

MODEL	CODE
CABLE FOR MCE CONNECTION 2 m + CLAMP	60188147

1x

Max 8x

MODEL	Codes available at page 46.
ADAC	

Only the ADAC with DConnect READY label are DConnect compatible

+

1x

MODEL	CODE
DCONNECT BOX	60172819

+

1x each inverter/ group

MODEL	CODE
CABLE FOR ADAC CONNECTION 2 m	60188150

VARIABLE SPEED CONTROL UNIT ACCESSORIES

1x

Max 8x

MODEL	Codes available at page 47.
ACTIVE DRIVER PLUS	

Update to the following version is required:
VE 2.X or later

+

1x

MODEL	CODE
DCONNECT BOX	60172819

+

1x each inverter/ group

MODEL	CODE
CABLE FOR AD PLUS CONNECTION 5 m + CLAMP	60188148
SPECIAL CABLE FOR A SECOND GROUP 5 m + CLAMP	60189926

	MODEL	CODE
	ETHERNET CABLE 2m (to use in case of LAN connection)	60188146
	DCONNECT BOX BMS ADAPTER KIT (MODBUS RTU RS485)	60198693
	KIT CHARGER MINI UPS FOR DCONNECT BOX	60198905
	DCONNECT BOX PANEL - IP 65 (DConnect Box included)	60198153

NOTES

INDEX - CIRCULATORS AND IN-LINE PUMPS

WHICH PUMP DO YOU NEED? FOLLOW THESE STEPS:

FLOW

Since water acts as a transport medium for heat, the flow rate to be guaranteed increases as the amount of heat required increases, while it decreases as the temperature difference between the flow and return of the heat generator increases.

The following table provides the (maximum) flow rate values based on installation conditions.

$$Q\ [m^3/h] = P[kW]/(1{,}16 \times \Delta T)$$

P: power of the heat generator for heating, in kW
ΔT: temperature difference between flow and return of the heat generator, C.

	HEATING BOILER SIZE		
TEMPERATURE DIFFERENCE BETWEEN FLOW - RETURN	12 kW	25 kW	35 kW
7°C (FLOOR SYSTEM)	1,48	3,08	4,31
10°C FANCOIL	1,03	2,16	3,02
20°C (RADIATOR SYSTEM)	0,52	1,08	1,51

Flow rate in m^3/h depending on temperature difference and boiler power in heating mode

HEAD

The exact calculation would involve evaluating point losses (bends, valves, diameter variations, etc..) and distributed losses (pressure losses due to friction in pipes).
If a system consists of several zones (e.g. distribution with manifolds supplying several underfloor circuits), the head should be calculated by taking as a reference the **most disadvantaged circuit** (the one with the highest pressure drop).
However, for approximate sizing, it is possible to use the empirical formula that envisages a head of 15 to 20% (depending on the diameter of the pipes and their degree of obstruction) **of the longest distance to be covered** (L, sum of the outward and return flow) from the heating plant to the terminal furthest away from it, whether horizontal or vertical.

$$H\ [m] = 0{,}15 \times L\ [m]$$

$$H\ [m] = 0{,}20 \times L\ [m]$$ *Old pipes / reduced diameter*

L: distance (outward + return flow) between heat generator and the most disadvantaged radiator, in m.

EXAMPLE OF SIZING

EXAMPLE	CALCULATION	INDICATIVE PUMP CHOICE
A house has a boiler with a heating power of 25 kW. The emission system consists of radiators equipped with thermostatic heads. The approximate length of the circuit (outward + return flow) is 25 metres 	$P = 25kW$ $\Delta T = 15° C$ **$Q =$** $25 / (1{,}16 \times 15) =$ **$1{,}4\ m^3/h$** **$H =$** $0{,}15 \times 25 =$ **$3{,}75\ m$**	 **EVOSTA 2**

EVOSTA RANGE

A new range for the market of tomorrow

5 ANNI DI GARANZIA
5 JAHRE GARANTIE
5 AÑOS DE GARANTÍA
5 ANS DE GARANTIE
5 YEARS WARRANTY

Only for EU markets

Over 20 million circulators sold.
History and know-how, together with the in-house design of the mechanics and electronics and the new DAB 4.0 factory, make the new Evosta electronic wet rotor circulators utterly innovative in terms of technology, reliability and performance.

IPX5 TESTING

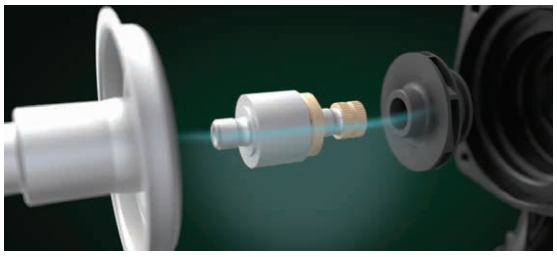
In this way, the infiltration of moisture is no longer an issue.

The IPX5 degree of protection is tested by firing a water jet from a 6.3 mm nozzle from every direction to ensure the water-tightness of the circulator.

For version Evosta 2 SOL protection glass IPX4

CALCIUM REMOVAL CARTRIDGE

The Evosta calcium removal system keeps the motor shaft in perfect condition, preventing the normal formation of limescale generally caused by air and water residue.



SELECTION GUIDE

	EVOSTA 3	EVOSTA 2	EVOSTA 2 SAN	EVOSTA 2 SAN V, R	EVOSTA 2 SOL
5 Years Warranty (Only for EU markets)	•	•	•	•	•
Display	•				
Quick connection plug	•				
Proportional differential pressure regulation mode	•	•	•		•
Constant differential pressure regulation mode	•	•	•		•
Fixed speed regulation mode	•	•	•	•	•
Dry run protection	•			•	
Auto-venting	•				
Air vent plug	•	•	•		•
Auto-unlock	•	•	•	•	•
Calcium removal cartridge	•	•	•		•

EVOSTA 2

WET ROTOR ELECTRONIC CIRCULATORS

EVOSTA 2

Evosta 2 by DAB is a wet rotor electronic circulator designed for the recirculation of water in domestic and residential heating and air conditioning systems.
Evosta 2 has a permanent magnet synchronous motor and inverter electronics that automatically adapt performance to system requirements, ensuring energy savings and protection from hammering effects.
With its compact size and all-round performance, it's the perfect replacement of old three-speed circulators. It combines the strength of the mechanical circulator with the benefits of the electronic one.
Its configuration is very simple: a sequential key can be used to scroll through the nine operating modes, three with proportional pressure, three with constant pressure and three with constant speed.
All the models have a breather plug and allow manual release of the motor shaft.
Threaded suction and delivery ports. Technopolymer impeller.
Cataphoretic paint coated cast iron body, stainless steel motor casing. Water resistant electronics with IPX5 protection class.
The included calcium removal cartridge keeps the motor shaft in perfect condition, preventing the normal formation of limescale that it can be generated inside the circulator if some air bubbles are present during the first installation.

Operating range
0,4-3,6 m³/h with head up to 6,9 metres.

Pumped liquid temperature range
from -10°C to +110°C.

Working pressure 10 bar (1000 kPa).

Protection class IP X5.

Insulation class F.

Installation with horizontal motor axis.

Standard power input
single-phase 1x230 V~ 50/60 Hz.

Pumped liquid Clean, free of solids and mineral oils, not viscous, chemically neutral, with properties similar to water (glycol max 30%).

ONLINE TRAINING

ErP COMPLIANT

ACCESSORIES PAGE 109

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0,0	0,3	0,6	0,9	1,8	2,4	3,0	3,6			
							Q=l/min	0	5	10	15	30	40	50	60			
EVOSTA2 40-70/130 (1/2")	60186047	130	DN15 THREADED (G 1")	1x230 V ~	35	0,043 - 0,32	H (m)	6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8	≤ 0,18	1,86	276
EVOSTA2 40-70/130 (1")	60186046	130	DN25 THREADED (G 1" ½)	1x230 V ~	35	0,043 - 0,32		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8	≤ 0,18	2,02	276
EVOSTA2 40-70/180 (1")	60185492	180	DN25 THREADED (G 1" ½)	1x230 V ~	35	0,043 - 0,32		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8	≤ 0,18	2,19	198
EVOSTA2 40-70/180X (1"1/4)	60186050	180	DN32 FILETTATO (G 2")	1x230 V ~	35	0,043 - 0,32		6,9	6,9	5,8	5,1	3,4	2,4	1,6	0,8	≤ 0,18	2,35	198

EVOSTA 3

WET ROTOR ELECTRONIC CIRCULATORS

EVOSTA 3

Evosta 3 by DAB is a wet rotor electronic circulator designed for the recirculation of water in domestic and residential heating and air conditioning systems.
It's the first circulator with IPX5 protection class. It has a permanent magnet synchronous motor and inverter electronics that automatically adapt performance to system requirements, ensuring energy savings and protection from hammering effects.
Its configuration is very simple: a sequential key can be used to scroll through the nine operating modes, three with proportional pressure, three with constant pressure and three with constant curve.
All the models have a breather plug, automatic degassing function and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Insulation casings included. Cataphoretic paint coated cast iron body, stainless steel motor casing.
Evosta 3 has a screen for the display of the height of the selected curve in metres, instantaneous power absorption in watts, instantaneous head and instantaneous flow rate. Thanks to the new standard interchangeable plug, Evosta 3 can be used with connectors of other brands without the need to redo the electrical connections.
The included calcium removal cartridge keeps the motor shaft in perfect condition, preventing the normal formation of limescale that it can be generated inside the circulator if some air bubbles are present during the first installation.

Operating range
0,4-4,2 m³/h with head up to 8+ metres.

Pumped liquid temperature range
from -10°C to +110°C.

Working pressure 10 bar (1000 kPa).

Protection class IPX5.

Insulation class F.

Installation with horizontal motor axis.

Standard power input
single-phase 1 x 230 V ~ 50 / 60 Hz.

Pumped liquid Clean, free of solids and mineral oils, not viscous, chemically neutral, with properties similar to water (glycol max 30%).

ONLINE TRAINING

ErP COMPLIANT

ACCESSORIES PAGE 109

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,4	0,6	0,9	1,2	1,8	2,1	2,9			
							Q=l/min	0	6	10	15	20	30	35	48			
EVOSTA3 40/130 (1/2")	60186088	130	DN15 THREADED (G 1")	1 x 230 V ~	20	0,034 - 0,18	H (m)	4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5	≤0,17	1,9	168
EVOSTA3 40/130 (1")	60186086	130	DN25 THREADED (G - 1" ½)	1x230 V ~	20	0,034 - 0,18		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5	≤ 0,17	2,05	168
EVOSTA3 40/180 (1")	60186077	180	DN25 THREADED (G - 1" ½)	1x230 V ~	20	0,034 - 0,18		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5	≤ 0,17	2,22	168
EVOSTA3 40/180X (1"1/4)	60186078	180	DN32 THREADED (G - 2")	1x230 V ~	20	0,034 - 0,18		4,0	4,0	3,5	2,9	2,5	1,7	1,3	0,5	≤ 0,17	2,38	168

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,6	1,2	1,5	2,1	2,4	3,0	3,6			
							Q=l/min	0	9	20	25	35	40	50	60			
EVOSTA3 60/130 (1/2")	60186090	130	DN15 FILETTATO (G 1")	1 x 230 V ~	35	0,042 - 0,33	H (m)	6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7	≤0,18	1,9	168
EVOSTA3 60/130 (1")	60186052	130	DN25 FILETTATO (G 1" ½)	1x230 V ~	35	0,042 - 0,33		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7	≤ 0,18	2,05	168
EVOSTA3 60/180 (1")	60185506	180	DN25 FILETTATO (G 1" ½)	1x230 V ~	35	0,042 - 0,33		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7	≤ 0,18	2,22	168
EVOSTA3 60/180X (1"1/4)	60186079	180	DN32 FILETTATO (G 2")	1x230 V ~	35	0,042 - 0,33		6,0	6,0	4,4	3,8	2,8	2,3	1,5	0,7	≤ 0,18	2,38	168

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,6	0,9	1,2	2,7	3,3	3,9	4,2			
							Q=l/min	0	10	15	20	45	55	65	70			
EVOSTA3 80/130 (1/2")	60186091	130	DN15 FILETTATO (G 1")	1 x 230 V ~	55	0,053 - 0,47	H (m)	8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0	≤0,19	1,9	168
EVOSTA3 80/130 (1")	60186087	130	DN25 FILETTATO (G 1" ½)	1x230 V ~	55	0,053 - 0,47		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0	≤ 0,19	2,05	168
EVOSTA3 80/180 (1")	60185505	180	DN25 FILETTATO (G 1" ½)	1x230 V ~	55	0,053 - 0,47		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0	≤ 0,19	2,22	168
EVOSTA3 80/180X (1"1/4)	60186085	180	DN32 FILETTATO (G 2")	1x230 V ~	55	0,053 - 0,47		8,0	8,0	7,2	6,5	3,7	2,6	1,6	1,0	≤ 0,19	2,38	168

EVOSTA 2 SOL

WET ROTOR ELECTRONIC CIRCULATORS

EVOSTA 2

Evosta 2 Sol by DAB is a wet rotor electronic circulator designed for the recirculation of water in domestic and residential thermal solar panel heating and air conditioning systems.
It has a permanent magnet synchronous motor and inverter electronics that automatically adapt performance to system requirements, ensuring energy savings and protection from hammering effects.
Its configuration is very simple: a sequential key can be used to scroll through the operating modes.
All the models have a breather plug and allow manual release of the motor shaft.
Threaded suction and delivery ports.
Technopolymer impeller.
Cataphoretic paint coated cast iron body, stainless steel motor casing.
A version controlled by PWM external signal (1.5 m plug cable) is also available.
1.5 m molex plug power cable.
The included calcium removal cartridge keeps the motor shaft in perfect condition, preventing the normal formation of limescale that it can be generated inside the circulator if some air bubbles are present during the first installation.

Operating range
0-4 m³/h with head up to 14,5 metres.

Pumped liquid temperature range
from -10°C to +110°C. (130°C to 60°C ambient).

Working pressure 10 bar (1000 kPa).

Protection class IPX4.

Insulation class F.

Installation with horizontal motor axis.

Standard power input
single-phase 1 x 115 - 230 V ~ 50 / 60 Hz.

Power input connection
MOLEX plug with 1.5m cable.

PWM signal connector
PWM plug with 1.5m cable (SOL PWM versions only).

Pumped liquid Clean, free of solids and mineral oils, not viscous, chemically neutral, with properties similar to water (glycol max 50%).

ONLINE TRAINING

ErP COMPLIANT

ACCESSORIES PAGE 109

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA										EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,5	1	1,5	2	2,5	3	3,5	4			
							Q=l/min	0	8	16	25	33	40	50	60	66			
EVOSTA2 75/130 SOL (1/2")	60188450	130	DN15 THREADED (G 1")	1x230 V ~	47	0,07-0,4	H (m)	7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	1,91	198
EVOSTA2 105/130 SOL (1/2")	60188451	130	DN15 THREADED (G 1")	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	1,91	198
EVOSTA2 145/130 SOL (1/2")	60188452	130	DN15 THREADED (G 1")	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	1,91	198
EVOSTA2 75/130 SOL (1")	60188404	130	DN25 THREADED (G 1" ½)	1x230 V ~	47	0,07-0,4		7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	2,07	198
EVOSTA2 75/180 SOL (1")	60188405	180	DN25 THREADED (G 1" ½)	1x230 V ~	47	0,07-0,4		7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	2,24	198
EVOSTA2 105/130 SOL (1")	60188421	130	DN25 THREADED (G 1" ½)	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	2,07	198
EVOSTA2 105/180 SOL (1")	60188427	180	DN25 THREADED (G 1" ½)	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	2,24	198
EVOSTA2 145/130 SOL (1")	60188429	130	DN25 THREADED (G 1" ½)	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	2,07	198
EVOSTA2 145/180 SOL (1")	60188432	180	DN25 THREADED (G 1" ½)	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	2,24	198

MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA										EEI	WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,5	1	1,5	2	2,5	3	3,5	4			
							Q=l/min	0	8	16	25	33	40	50	60	66			
EVOSTA2 75/130 SOL PWM (1/2")	60188453	130	DN15 THREADED (G 1")	1x230 V ~	47	0,07-0,4	H (m)	7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	1,96	198
EVOSTA2 105/130 SOL PWM (1/2")	60188454	130	DN15 THREADED (G 1")	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	1,96	198
EVOSTA2 145/130 SOL PWM (1/2")	60188455	130	DN15 THREADED (G 1")	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	1,96	198
EVOSTA2 75/130 SOL PWM (1")	60188443	130	DN25 THREADED (G 1" ½)	1x230 V ~	47	0,07-0,4		7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	2,12	198
EVOSTA2 75/180 SOL PWM (1")	60188444	180	DN25 THREADED (G 1" ½)	1x230 V ~	47	0,07-0,4		7,5	7,5	6,2	5,1	4,2	3,4	2,5	1,7	0,9	≤0,20	2,29	198
EVOSTA2 105/130 SOL PWM (1")	60188445	130	DN25 THREADED (G 1" ½)	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	2,12	198
EVOSTA2 105/180 SOL PWM (1")	60188447	180	DN25 THREADED (G 1" ½)	1x230 V ~	48	0,055-0,4		10,5	9	6,8	5,4	4,1	3,2	2	0,8		≤0,20	2,29	198
EVOSTA2 145/130 SOL PWM (1")	60188448	130	DN25 THREADED (G 1" ½)	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	2,12	198
EVOSTA2 145/180 SOL PWM (1")	60188449	180	DN25 THREADED (G 1" ½)	1x230 V ~	59	0,07-0,5		14,3	10,2	8,2	6,2	5	3,8	2,2	1,2		≤0,20	2,29	198

EVOSTA 2 SAN V, R

WET ROTOR ELECTRONIC CIRCULATORS

EVOSTA 2

Evosta 2 San by DAB is a wet rotor circulator designed for the recirculation of domestic hot water in small domestic and residential systems.
Synchronous motor.
Threaded suction and delivery ports.
Brass pump body.
V versions with fittings with built-in check valve and on-off ball valve;
R versions with threads and without check valve and on-off ball valve.
Significant energy savings: circulator consumption 7 W only.

Operating range
0-0,6 m³/h with head up to 1,1 m.

Pumped liquid temperature range
from +2°C to +75°C.

Working pressure 10 bar (1000 kPa).

Protection class IP 42.

Insulation class II.

Installation with horizontal motor axis.

Standard power input
single-phase 1x115-230 V~ 50/60 Hz.

Pumped liquid Clean, free of solids and mineral oils, not viscous, chemically neutral, with properties similar to water (glycol max 30%).

ONLINE TRAINING

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MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0	0,1	0,2	0,3	0,4	0,5	0,6		
							Q=l/min	0	1,6	3,3	5,0	6,6	8,3	10,0		
EVOSTA2 11/85 SAN R1/2"CIRC.	60187267	85	INTERNAL THREAD G ½"	1x115-230 V~ 50/60 Hz	7	0,07	H (m)	1,1	1	0,87	0,73	0,58	0,4	0,23	1,06	200
EVOSTA2 11/139 SAN V CIRC.	60187268	139	EXTERNAL THREAD G 1"	1x115-230 V~ 50/60 Hz	7	0,07		1,1	0,93	0,76	0,59	0,4	0,23	0,7	1,26	200

EVOSTA 2 SAN

WET ROTOR ELECTRONIC CIRCULATORS

EVOSTA 2

Evosta 2 San by DAB is a wet rotor electronic circulator designed for the recirculation of domestic hot water in domestic and residential systems.
It has a permanent magnet synchronous motor and inverter electronics that automatically adapt performance to system requirements, ensuring energy savings and protection from hammering effects.
Its configuration is very simple: a sequential key can be used to scroll through the nine operating modes, three with proportional pressure, three with constant pressure and three with constant speed curve.
All the models have a brass breather plug and allow manual release of the motor shaft. Threaded suction and delivery ports.
Brass pump body.
Electronics protected from water infiltrations; IPX5 protection class.
No overload protection required.
The included calcium removal cartridge keeps the motor shaft in perfect condition, preventing the normal formation of limescale that it can be generated inside the circulator if some air bubbles are present during the first installation.

Operating range
0,4-4,2 m³/h with head up to 8 m.

Pumped liquid temperature range
from -10°C to +110°C.

Working pressure 10 bar (1000 kPa).

Protection class IP X5.

Insulation class F.

Installation
with horizontal motor axis.

Standard power input
single-phase 1x230 V~ 50/60 Hz.

Pumped liquid Clean, free of solids and mineral oils, not viscous, chemically neutral, with properties similar to water (glycol max 30%).

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MODEL	CODE	CENTRE DISTANCE mm	PUMP CONNECTIONS	ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50/60 Hz	P1 MAX W	In A	Q=m³h	0,0	0,9	1,8	2,4	3,0	3,6	4,2		
							Q=l/min	0	15	30	40	50	60	70		
EVOSTA2 40-70/150 SAN (1")	60186164	150	DN25 THREADED (G 1" ½)	1x230 V ~	35	0,043 - 0,32	H (m)	6,9	5,1	3,4	2,4	1,6	0,8		2,16	198
EVOSTA2 80/150 SAN (1")	60186588	150	DN25 THREADED (G 1" ½)	1x230 V ~	55	0,053 -0,47		8	7,2	5,4	4,2	3,2	2,1	1	2,16	198

EVOPLUS SMALL

ELECTRONIC CIRCULATORS FOR SMALL COMMUNITY HEATING

Evoplus Small electronic circulators can be used in heating, ventilation and air conditioning systems for residential and commercial buildings. In all correctly sized installations, the electronically controlled wet rotor pumps constantly ensure sufficient power and, simultaneously, lower noise emissions, greater comfort and a significant reduction in running costs.
All models fitted with flanged pump body are available in both single and the twin versions.
The user interface is easy to use and easy to understand.

Circulator protection rate IP 44.

Insulation class F.

Standard voltage
single-phase 220/240V, 50/60Hz.

In accordance with European standards
EN 61800-3 - EN 60335-1 - EN 60335-2-51.

Operating range
from 2 to 12 m3/h with head up to 11 meters.

Liquid Temperature range
from -10°C to 110°C.

Pumped liquid clean, free from solids and mineral oils, not viscous, chemically neutral, close to the properties of water (max. glycol contents 30%).

Maximum working pressure 16 bar (1600 kPa).

Standard flanging The single version is available with 1 1/2" and 2" threaded ports and with flanged ports DN 32 and DN 40, PN 6 / PN 10 / PN 16.
The twin version is available with flanged pump body DN 32 and DN 40, PN 6 / PN 10 / PN 16.

Installation with horizontal motor shaft.

EVOPLUS SMALL

ONLINE TRAINING

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SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	UNIONS ON REQUEST		ELECTRICAL DATA			HYDRAULIC DATA								EEI PART 2	WEIGHT KG	Q.TY x PALLET
				STANDARDIS.	SPECIAL	VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0	2,4	3	4,2	5,4	7,2	9,6			
										0	40	50	70	90	120	160			
EVOPLUS 40/180 M	60150938	180	1" ½	1" F	¾" F - 1¼" M	220/240 V	68	0.52	H (m)	4,2	4,2	4	3,1	2,4			EEI ≤ 0,20	4,5	104
EVOPLUS 60/180 M	60150939	180	1" ½	1" F	¾" F - 1¼" M	220/240 V	100	0.72		6,1	6,1	5,8	4,6	3,4			EEI ≤ 0,20	4,5	104
EVOPLUS 80/180 M	60150940	180	1" ½	1" F	¾" F - 1¼" M	220/240 V	130	0.95		8,2	8,2	7,7	6,2	4,8	2,9		EEI ≤ 0,20	4,5	104
EVOPLUS 110/180 M	60150941	180	1" ½	1" F	¾" F - 1¼" M	220/240 V	170	1.18		11,1	10,1	9,2	7,5	5,9	3,9		EEI ≤ 0,20	4,5	104
EVOPLUS 40/180 XM	60150942	180	2"	1¼" F		220/240 V	68	0.51		4,1	4,1	4	3,1	2,2			EEI ≤ 0,20	4,7	104
EVOPLUS 60/180 XM	60150943	180	2"	1¼" F		220/240 V	100	0.71		6,1	6,1	5,7	4,5	3,4			EEI ≤ 0,20	4,7	104
EVOPLUS 80/180 XM	60150944	180	2"	1¼" F		220/240 V	130	0.93		8,1	8,1	7,6	6,2	4,9	3		EEI ≤ 0,20	4,7	104
EVOPLUS 110/180 XM	60150945	180	2"	1¼" F		220/240 V	170	1.18		11,3	10,2	9,5	7,9	6,3	4,3	2	EEI ≤ 0,20	4,7	104

SINGLE WITH FLANGES

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA							EEI PART 2	WEIGHT KG	Q.TY x PALLET
					VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0	2,4	3	4,2	5,4	7,2	9,6			
									0	40	50	70	90	120	160			
DN 32	**EVOPLUS B 40/220.32 M**	60150946	220	DN32 PN 6	220/240 V	68	0.55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		EEI ≤ 0,20	7,5	51
DN 32	**EVOPLUS B 60/220.32 M**	60150947	220	DN32 PN 6	220/240 V	100	0.75		6,1	6,1	5,6	4,6	3,6	2,2		EEI ≤ 0,20	7,5	51
DN 32	**EVOPLUS B 80/220.32 M**	60150948	220	DN32 PN 6	220/240 V	132	0.97		8	8	7,3	6	4,9	3,3		EEI ≤ 0,20	7,5	51
DN 32	**EVOPLUS B 110/220.32 M**	60150949	220	DN32 PN 6	220/240 V	180	1.3		11,2	10,5	9,6	8,1	6,8	5	2,6	EEI ≤ 0,20	7,5	51
DN 40	**EVOPLUS B 40/250.40 M**	60150950	250	DN40 PN 10	220/240 V	70	0.55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		EEI ≤ 0,20	7,5	51
DN 40	**EVOPLUS B 60/250.40 M**	60150951	250	DN40 PN 10	220/240 V	100	0.75		6,1	6,1	5,6	4,6	3,6	2,2		EEI ≤ 0,20	7,5	51
DN 40	**EVOPLUS B 80/250.40 M**	60150952	250	DN40 PN 10	220/240 V	132	0.97		8	8	7,3	6	4,9	3,3		EEI ≤ 0,20	7,5	51
DN 40	**EVOPLUS B 110/250.40 M**	60150953	250	DN40 PN 10	220/240 V	180	1.3		11,2	10,5	9,6	8,1	6,8	5	2,6	EEI ≤ 0,20	7,5	51

EVOPLUS SMALL

ELECTRONIC CIRCULATORS FOR SMALL COMMUNITY HEATING

TWIN FLANGED

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA								EEI PART 2	WEIGHT KG	Q.TY x PALLET
					VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m^3/h l/min	0	2,4	3	4,2	5,4	7,2	9,6			
									0	40	50	70	90	120	160			
DN 32	**EVOPLUS D 40/220.32 M**	60150954	220	DN32 PN 6	220/240 V	70	0.55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		EEI ≤ 0,23	13,5	30
DN 32	**EVOPLUS D 60/220.32 M**	60150955	220	DN32 PN 6	220/240 V	95	0.75		6,1	6,1	5,6	4,6	3,6	2,2		EEI ≤ 0,23	13,5	30
DN 32	**EVOPLUS D 80/220.32 M**	60150956	220	DN32 PN 6	220/240 V	130	0.95		8	8	7,3	6	4,9	3,3		EEI ≤ 0,23	13,5	30
DN 32	**EVOPLUS D 110/220.32 M**	60150957	220	DN32 PN 6	220/240 V	190	1.3		11,2	10,5	9,6	8,1	6,8	5	2,6	EEI ≤ 0,23	13,5	30
DN 40	**EVOPLUS D 40/250.40 M**	60150958	250	DN40 PN 10	220/240 V	75	0.55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		EEI ≤ 0,22	14,2	30
DN 40	**EVOPLUS D 60/250.40 M**	60150959	250	DN40 PN 10	220/240 V	100	0.75		6,1	6,1	5,6	4,6	3,6	2,2		EEI ≤ 0,22	14,2	30
DN 40	**EVOPLUS D 80/250.40 M**	60150960	250	DN40 PN 10	220/240 V	135	0.95		8	8	7,3	6	4,9	3,3		EEI ≤ 0,22	14,2	30
DN 40	**EVOPLUS D 110/250.40 M**	60150961	250	DN40 PN 10	220/240 V	190	1.3		11,2	10,5	9,6	8,1	6,8	5	2,6	EEI ≤ 0,22	14,2	30

EVOPLUS

ELECTRONIC CIRCULATORS FOR HEATING AND AIR-CONDITIONING SYSTEMS

Evoplus electronic circulators can be used in heating, ventilation and air conditioning systems for residential and commercial buildings.
In all correctly sized installations, the electronically controlled wet rotor pumps constantly ensure sufficient power and, simultaneously, lower noise emissions, greater comfort and a significant reduction in running costs.
All models fitted with flanged pump body are available in both single and twin versions.
The user interface is easy to use and easy to understand.

Circulator protection rate IP 44.

Insulation class F.

Standard voltage
single-phase 220/240V, 50/60Hz.

In accordance with European standards
EN 61800-3 - EN 60335-1 - EN 60335-2-51.

Operating range
from 2 to 75.6 m^3/h with head up to 18 meters.

Liquid Temperature range
from -10°C to 110°C.

Pumped liquid clean, free from solids and mineral oils, not viscous, chemically neutral, close to the properties of water (max. glycol contents 30%).

Maximum working pressure 16 bar (1600 kPa).

Standard flanging
DN 32, DN 40, DN 50, DN 65, PN 6, PN 10, PN 16 (4 slots), DN 80 e DN 100, PN 6 (4 slots) usable with flange 4 holes PN10.

Special version on demand
DN 80 , DN 100, PN 10, PN 16 (8 holes).

Installation with horizontal motor shaft.

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SINGLE WITH FLANGES

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA														EEI PART 2	WEIGHT KG	Q.TY x PALLET
					VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m^3/h l/min	0	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	54	72			
									0	70	90	120	160	200	240	300	400	500	600	700	900	1200			
DN 32	EVOPLUS B 120/220.32 M	60150962	220	DN32 PN 6	220/240 V	340	1,7	H (m)	12,1	11,5	10,7	9,5	7,9	6,3	4,7	2,2							EEI ≤ 0,22	24	16
DN 40	EVOPLUS B 40/220.40 M	60150963	220	DN40 PN 10	220/240 V	90	0,7	H (m)	4	3,6	3,1	2,5	1,7										EEI ≤ 0,23	20,8	16
	EVOPLUS B 60/220.40 M	60150964	220	DN40 PN 10	220/240 V	175	1		6		5,9	5,1	4,1	3	2								EEI ≤ 0,23	20,8	16
	EVOPLUS B 80/220.40 M	60150965	220	DN40 PN 10	220/240 V	260	1.35		8		7,9	7,4	6,1	5	3,7	2							EEI ≤ 0,21	20,8	16
	EVOPLUS B 100/220.40 M	60150966	220	DN40 PN 10	220/240 V	350	1.75		10			9,7	8,3	7	5,5	3,5							EEI ≤ 0,20	20,8	16
	EVOPLUS B 120/250.40 M	60150967	250	DN40 PN 10	220/240 V	465	2,2		12			11,5	10,1	8,7	7,3	5,2							EEI ≤ 0,20	20	16
	EVOPLUS B 150/250.40 M	60150968	250	DN40 PN 10	220/240 V	610	2,9		15			14,5	12,8	11,3	9,7	7,5	3,8						EEI ≤ 0,20	20	16
	EVOPLUS B 180/250.40 M	60150969	250	DN40 PN 10	220/240 V	610	2,9		18		16,2	14,6	13	11,2	9,6	7,4	3,9						EEI ≤ 0,20	20	16
DN 50	EVOPLUS B 40/240.50 M	60150970	240	DN50 PN 10	220/240 V	140	0,87	H (m)	4		3,9	3,6	3,1	2,6	2,1	1,4							EEI ≤ 0,23	21,4	16
	EVOPLUS B 60/240.50 M	60150971	240	DN50 PN 10	220/240 V	260	1,35		6				5,4	4,7	4	3,2	1,6						EEI ≤ 0,21	21,4	16
	EVOPLUS B 80/240.50 M	60150972	240	DN50 PN 10	220/240 V	330	0,87		8			7,4	6,6	5,9	5,2	4,2	2,6						EEI ≤ 0,21	21,4	16
	EVOPLUS B 100/280.50 M	60150973	280	DN50 PN 10	220/240 V	430	2,1		10			9,4	8,4	7,5	6,7	5,5	3,6	2					EEI ≤ 0,20	22	16
	EVOPLUS B 120/280.50 M	60150974	280	DN50 PN 10	220/240 V	530	2,5		12			11	9,9	9	8,2	6,9	4,8	3					EEI ≤ 0,19	21,8	16
	EVOPLUS B 150/280.50 M	60150975	280	DN50 PN 10	220/240 V	640	3		15,3			12,4	11,5	10,6	9,6	8,3	6,2	4,2					EEI ≤ 0,19	22,8	16
	EVOPLUS B 180/280.50 M	60150976	280	DN50 PN 10	220/240 V	750	3,45		17,1			14	13	12	11,1	9,7	7,4	5,2	3,1				EEI ≤ 0,19	22,8	16
DN 65	EVOPLUS B 40/340.65 M	60150977	340	DN65 PN 10	220/240 V	190	1,1	H (m)	4			4	3,8	3,4	3	2,4	1,4						EEI ≤ 0,21	23,8	8
	EVOPLUS B 60/340.65 M	60150978	340	DN65 PN 10	220/240 V	355	1,8		6				6	5,9	5,4	4,7	3,7	2,2					EEI ≤ 0,20	23,8	8
	EVOPLUS B 80/340.65 M	60150979	340	DN65 PN 10	220/240 V	465	2,2		8				7,8	7,4	6,8	5,9	4,6	3,5	2				EEI ≤ 0,19	24,6	8
	EVOPLUS B 100/340.65 M	60150980	340	DN65 PN 10	220/240 V	590	2,8		10,1				9,8	9,1	8,4	7,6	6,1	4,7	3,1				EEI ≤ 0,18	25	8
	EVOPLUS B 120/340.65 M	60150981	340	DN65 PN 10	220/240 V	730	3,45		12				11,5	10,8	10	9	7,4	5,9	4,6	2,8			EEI ≤ 0,18	24,6	8
	EVOPLUS B 150/340.65 M	60150986	340	DN65 PN 10	220/240 V	1210	5,5		15,2					14,9	14,7	14	12,1	10,3	8,5	6,9			EEI ≤ 0,18	27	8
DN 80	EVOPLUS B 40/360.80 M	60150987	360	DN80 PN 10	220/240 V	330	1,65	H (m)	4							4	3,1	2,2	1,4				EEI ≤ 0,19	30,2	8
	EVOPLUS B 60/360.80 M	60150988	360	DN80 PN 10	220/240 V	535	2,5		6							6	5,2	4	3	2			EEI ≤ 0,20	30,2	8
	EVOPLUS B 80/360.80 M	60150989	360	DN80 PN 10	220/240 V	670	3		8							8	6,7	5,4	4,2	3,2			EEI ≤ 0,20	32	8
	EVOPLUS B 100/360.80 M	60150990	360	DN80 PN 10	220/240 V	1005	4,5		10								9,7	8,3	6,7	5,4	3		EEI ≤ 0,19	32,2	4
	EVOPLUS B 120/360.80 M	60150991	360	DN80 PN 10	220/240 V	1235	5,5		12,1								11,6	9,9	8,3	6,8	4,1		EEI ≤ 0,19	32,2	4
DN 100	EVOPLUS B 40/450.100 M	60150992	450	DN100 PN 10	220/240 V	530	2,5	H (m)	4									3,9	3	2			EEI ≤ 0,19	37,5	4
	EVOPLUS B 60/450.100 M	60150993	450	DN100 PN 10	220/240 V	760	3,5		6									5,7	4,7	3,6	1,3		EEI ≤ 0,18	37,5	4
	EVOPLUS B 80/450.100 M	60150994	450	DN100 PN 10	220/240 V	1080	4,8		8									8	7,2	5,7	3,4		EEI ≤ 0,18	36,6	4
	EVOPLUS B 100/450.100 M	60150995	450	DN100 PN 10	220/240 V	1380	6		10,1									10,1	9,2	7,6	4,9	0,7	EEI ≤ 0,19	36,8	4
	EVOPLUS B 120/450.100 M	60150999	450	DN100 PN 10	220/240 V	1560	7		12,2									11,8	10,4	8,7	5,9	1,5	EEI ≤ 0,19	36,3	4

EVOPLUS

ELECTRONIC CIRCULATORS FOR HEATING AND AIR-CONDITIONING SYSTEMS

SPECIAL VERSION *TWIN FLANGED* ***PN 16***

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA VOLTAGE 50/60 Hz	P1 MAX W	In A	HYDRAULIC DATA Q m³/h	0	18	24	30	36	42	54	72	EEI PART 2	WEIGHT KG	Q.TY x PALLET
								l/min	0	300	400	500	600	700	900	1200			
DN 80	EVOPLUS B 40/360.80 M	60153017	360	DN80 PN 16	220/240 V	330	1,65	H (m)	4	4	3,1	2,2	1,4				EEI ≤ 0,19	30,2	8
	EVOPLUS B 60/360.80 M	60153018	360	DN80 PN 16	220/240 V	535	2,5		6	6	5,2	4	3	2			EEI ≤ 0,20	30,2	8
	EVOPLUS B 80/360.80 M	60153019	360	DN80 PN 16	220/240 V	670	3		8	8	6,7	5,4	4,2	3,2			EEI ≤ 0,20	32	8
	EVOPLUS B 100/360.80 M	60153020	360	DN80 PN 16	220/240 V	1005	4,5		10		9,7	8,3	6,7	5,4	3		EEI ≤ 0,19	32,2	4
	EVOPLUS B 120/360.80 M	60153021	360	DN80 PN 16	220/240 V	1235	5,5		12,1		11,6	9,9	8,3	6,8	4,1		EEI ≤ 0,19	32,2	4
DN 100	EVOPLUS B 40/450.100 M	60153022	450	DN100 PN 16	220/240 V	530	2,5	H (m)	4			3,9	3	2			EEI ≤ 0,19	37,5	4
	EVOPLUS B 60/450.100 M	60153023	450	DN100 PN 16	220/240 V	760	3,5		6			5,7	4,7	3,6	1,3		EEI ≤ 0,18	37,5	4
	EVOPLUS B 80/450.100 M	60153024	450	DN100 PN 16	220/240 V	1080	4,8		8			8	7,2	5,7	3,4		EEI ≤ 0,18	36,6	4
	EVOPLUS B 100/450.100 M	60153025	450	DN100 PN 16	220/240 V	1380	6		10,1			10,1	9,2	7,6	4,9	0,7	EEI ≤ 0,19	36,8	4
	EVOPLUS B 120/450.100 M	60153026	450	DN100 PN 16	220/240 V	1560	7		12,2			11,8	10,4	8,7	5,9	1,5	EEI ≤ 0,19	36,3	4

TWIN FLANGED

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA VOLTAGE 50/60 Hz	P1 MAX W	In A	HYDRAULIC DATA Q m³/h	0	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	EEI PART 2	WEIGHT KG	Q.TY x PALLET
								l/min	0	70	90	120	160	200	240	300	400	500	600	700			
DN 32	EVOPLUS D 120/220.32 M	60151000	220	DN32 PN 6	220/240 V	340	1,7	H (m)	12,1	11,5	10,7	9,5	7,9	6,3	4,7	2,2					EEI ≤ 0,22	36,2	4
DN 40	EVOPLUS D 40/220.40 M	60151001	220	DN40 PN 10	220/240 V	90	0,7	H (m)	4	3,6	3,1	2,5	1,7								EEI ≤ 0,23	38,6	4
	EVOPLUS D 60/220.40 M	60151002	220	DN40 PN 10	220/240 V	175	1		6		5,9	5,1	4,1	3	2						EEI ≤ 0,23	38,6	4
	EVOPLUS D 80/220.40 M	60151003	220	DN40 PN 10	220/240 V	260	1,35		8		7,9	7,4	6,1	5	3,7	2					EEI ≤ 0,23	38,6	4
	EVOPLUS D 100/220.40 M	60151004	220	DN40 PN 10	220/240 V	350	1,75		10			9,7	8,3	7	5,5	3,5					EEI ≤ 0,23	38,6	4
	EVOPLUS D 120/250.40 M	60151005	250	DN40 PN 10	220/240 V	465	2,2		12			11,5	10,1	8,7	7,3	5,2					EEI ≤ 0,23	38,8	4
	EVOPLUS D 150/250.40 M	60151006	250	DN40 PN 10	220/240 V	610	2,9		15			14,5	12,8	11,3	9,7	7,5	3,8				EEI ≤ 0,23	38,8	4
	EVOPLUS D 180/250.40 M	60151007	250	DN40 PN 10	220/240 V	610	2,9		18		16,2	14,6	13	11,2	9,6	7,4	3,9				EEI ≤ 0,23	38,8	4
DN 50	EVOPLUS D 40/240.50 M	60151008	240	DN50 PN 10	220/240 V	140	0,87	H (m)	4		3,9	3,6	3,1	2,6	2,1	1,4					EEI ≤ 0,23	40	4
	EVOPLUS D 60/240.50 M	60151009	240	DN50 PN 10	220/240 V	260	1,35		6				5,4	4,7	4	3,2	1,6				EEI ≤ 0,22	40	4
	EVOPLUS D 80/240.50 M	60151010	240	DN50 PN 10	220/240 V	330	1,7		8			7,4	6,6	5,9	5,2	4,2	2,6				EEI ≤ 0,22	40	4
	EVOPLUS D 100/280.50 M	60151011	280	DN50 PN 10	220/240 V	430	2,1		10			9,4	8,4	7,5	6,7	5,5	3,6	2			EEI ≤ 0,22	39,4	4
	EVOPLUS D 120/280.50 M	60151012	280	DN50 PN 10	220/240 V	530	2,5		12			11	9,9	9	8,2	6,9	4,8	3			EEI ≤ 0,22	39,6	4
	EVOPLUS D 150/280.50 M	60151013	280	DN50 PN 10	220/240 V	640	3		15,3			12,4	11,5	10,6	9,6	8,3	6,2	4,2			EEI ≤ 0,21	41,6	4
	EVOPLUS D 180/280.50 M	60151014	280	DN50 PN 10	220/240 V	750	3,45		17,1			14	13	12	11,1	9,7	7,4	5,2	3,1		EEI ≤ 0,21	41,6	4
DN 65	EVOPLUS D 40/340.65 M	60151015	340	DN65 PN 10	220/240 V	190	1,1	H (m)	4			4	3,8	3,4	3	2,4	1,4				EEI ≤ 0,21	43,4	4
	EVOPLUS D 60/340.65 M	60151016	340	DN65 PN 10	220/240 V	355	1,8		6				6	5,9	5,4	4,7	3,7	2,2			EEI ≤ 0,21	43,4	4
	EVOPLUS D 80/340.65 M	60151017	340	DN65 PN 10	220/240 V	465	2,2		8				7,8	7,4	6,8	5,9	4,6	3,5	2		EEI ≤ 0,21	43,4	4
	EVOPLUS D 100/340.65 M	60151018	340	DN65 PN 10	220/240 V	590	2,8		10,1				9,8	9,1	8,4	7,6	6,1	4,7	3,1		EEI ≤ 0,20	44,8	4
	EVOPLUS D 120/340.65 M	60151019	340	DN65 PN 10	220/240 V	730	3,45		12				11,5	10,8	10	9	7,4	5,9	4,6	2,8	EEI ≤ 0,20	45	4
	EVOPLUS D 150/340.65 M	60151020	340	DN65 PN 10	220/240 V	1210	5,5		15,2					14,9	14,7	14	12,1	10,3	8,5	6,9	EEI ≤ 0,20	49,4	4

EVOPLUS

ELECTRONIC CIRCULATORS FOR HEATING AND AIR-CONDITIONING SYSTEMS

TWIN FLANGED

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA VOLTAGE 50/60 Hz	P1 MAX W	In A	HYDRAULIC DATA Q m³/h	0	12	14,4	18	24	30	36	42	54	72	EEI PART 2	WEIGHT KG	Q.TY x PALLET
								l/min	0	200	240	300	400	500	600	700	900	1200			
DN 80	EVOPLUS D 40/360.80 M	60151021	360	DN80 PN 10	220/240 V	330	1,65	H (m)	4			4	3,1	2,2	1,4				EEI ≤ 0,20	52	4
	EVOPLUS D 60/360.80 M	60151022	360	DN80 PN 10	220/240 V	535	2,5		6			6	5,2	4	3	2			EEI ≤ 0,20	52	4
	EVOPLUS D 80/360.80 M	60151023	360	DN80 PN 10	220/240 V	670	3		8			8	6,7	5,4	4,2	3,2			EEI ≤ 0,20	57	4
	EVOPLUS D 100/360.80 M	60151024	360	DN80 PN 10	220/240 V	1005	4,5		10				9,7	8,3	6,7	5,4	3		EEI ≤ 0,19	56	4
	EVOPLUS D 120/360.80 M	60151025	360	DN80 PN 10	220/240 V	1235	5,5		12,1				11,6	9,9	8,3	6,8	4,1		EEI ≤ 0,19	56,4	4
DN 100	EVOPLUS D 40/450.100 M	60151026	450	DN100 PN 10	220/240 V	530	2,5	H (m)	4					3,9	3	2			EEI ≤ 0,19	67,8	4
	EVOPLUS D 60/450.100 M	60151027	450	DN100 PN 10	220/240 V	760	3,5		6					5,7	4,7	3,6	1,3		EEI ≤ 0,19	67,8	4
	EVOPLUS D 80/450.100 M	60151028	450	DN100 PN 10	220/240 V	1080	4,8		8					8	7,2	5,7	3,4		EEI ≤ 0,20	68	4
	EVOPLUS D 100/450.100 M	60151029	450	DN100 PN 10	220/240 V	1380	6		10,1					10,1	9,2	7,6	4,9	0,7	EEI ≤ 0,20	68	2
	EVOPLUS D 120/450.100 M	60151030	450	DN100 PN 10	220/240 V	1560	7		12,2					11,8	10,4	8,7	5,9	1,5	EEI ≤ 0,20	67,8	2

SPECIAL VERSION *TWIN FLANGED **PN 16***

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA VOLTAGE 50/60 Hz	P1 MAX W	In A	HYDRAULIC DATA Q m³/h	0	18	24	30	36	42	54	72	EEI PART 2	WEIGHT KG	Q.TY x PALLET
								l/min	0	300	400	500	600	700	900	1200			
DN 80	EVOPLUS D 40/360.80 M	60153028	360	DN80 PN 16	220/240 V	330	1,65	H (m)	4	4	3,1	2,2	1,4				EEI ≤ 0,20	52	4
	EVOPLUS D 60/360.80 M	60153029	360	DN80 PN 16	220/240 V	535	2,5		6	6	5,2	4	3	2			EEI ≤ 0,20	52	4
	EVOPLUS D 80/360.80 M	60153030	360	DN80 PN 16	220/240 V	670	3		8	8	6,7	5,4	4,2	3,2			EEI ≤ 0,20	57	4
	EVOPLUS D 100/360.80 M	60153031	360	DN80 PN 16	220/240 V	1005	4,5		10		9,7	8,3	6,7	5,4	3		EEI ≤ 0,19	56	4
	EVOPLUS D 120/360.80 M	60153032	360	DN80 PN 16	220/240 V	1235	5,5		12,1		11,6	9,9	8,3	6,8	4,1		EEI ≤ 0,19	56,4	4
DN 100	EVOPLUS D 40/450.100 M	60153033	450	DN100 PN 16	220/240 V	530	2,5	H (m)	4			3,9	3	2			EEI ≤ 0,19	67,8	4
	EVOPLUS D 60/450.100 M	60153034	450	DN100 PN 16	220/240 V	760	3,5		6			5,7	4,7	3,6	1,3		EEI ≤ 0,19	67,8	4
	EVOPLUS D 80/450.100 M	60153035	450	DN100 PN 16	220/240 V	1080	4,8		8			8	7,2	5,7	3,4		EEI ≤ 0,20	68	4
	EVOPLUS D 100/450.100 M	60153036	450	DN100 PN 16	220/240 V	1380	6		10,1			10,1	9,2	7,6	4,9	0,7	EEI ≤ 0,20	68	2
	EVOPLUS D 120/450.100 M	60153037	450	DN100 PN 16	220/240 V	1560	7		12,2			11,8	10,4	8,7	5,9	1,5	EEI ≤ 0,20	67,8	2

VA

WET ROTOR CIRCULATORS

ONLY FOR EXTRA EU MARKETS

Single body consisting of a cast iron hydraulic unit. Die-cast aluminium motor casing.
Technopolymer impeller.
Alumina driving shaft mounted on graphite brushing lubricated by the pumped liquid itself.
Stainless steel protective rotor sleeve, stator sleeve and closing flange.
Ceramic thrust bearing, E.P.D.M. O-rings and brass air outlet cap.
The two-pole asynchronous motor with wet rotor is self-protected for resistance.
No overload protection required.
Three-speed operation.

Operating range
from 0.5 to 3,6 m³/h with head up to 6 metres.

Liquid temperature range
from -10°C to +110°C.

Pumped liquid characteristics clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max 30% glycol).

Maximum working pressure
10 bar (1000 kPa).

Protection level corresponding to IP 44.

Insulation class F.

Cable grommet PG 11.

Installation with motor axis horizontal.
Only for extra EU markets. Please contact our sales network for more information.

ACCESSORIES PAGE 109

VA *SINGLE WITH UNIONS*

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			ENERGY CLASS	HYDRAULIC DATA								WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A		Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,2		
								H (m)	0	10	20	30	40	50	70		
VA 25/130	60182197H	130	1 1/2" G	1x230 V	43	0,19	B		2,71	2,45	2,15	1,75	1,2	0,6		2.7	240
VA 25/180	60182196H	180	1 1/2" G	1x230 V	43	0,19	B		2,71	2,45	2,15	1,75	1,2	0,6		2.8	180
VA 25/180 X	60182195H	180	2" G	1x230 V	43	0,19	B		2,71	2,45	2,15	1,75	1,2	0,6		2.9	180
VA 35/130	60182186H	130	1 1/2" G	1x230 V	56	0,25	B		4,3	3,9	3,4	2,8	2,15	1,4		2.7	240
VA 35/130 1/2"	60182184H	130	1" G	1x230 V	56	0,25	B		4,3	3,9	3,4	2,8	2,15	1,4		2.6	240
VA 35/180	60182183H	180	1 1/2" G	1x230 V	56	0,25	B		4,3	3,9	3,4	2,8	2,15	1,4		2.8	180
VA 35/180 X	60182180H	180	2" G	1x230 V	56	0,25	B		4,3	3,9	3,4	2,8	2,15	1,4		2.9	180
VA 55/130	60182179H	130	1 1/2" G	1x230 V	70	0,30	B		5,4	4,7	4,5	3,3	2,6	1,75	0,85	2.7	240
VA 55/130 1/2"	60182175H	130	1" G	1x230 V	70	0,30	B		5,4	4,7	4,5	3,3	2,6	1,75	0,85	2.6	240
VA 55/180	60182171H	180	1 1/2" G	1x230 V	70	0,30	B		5,4	4,7	4,5	3,3	2,6	1,75	0,85	2.8	180
VA 55/180 X	60182170H	180	2" G	1x230 V	70	0,30	B		5,4	4,7	4,5	3,3	2,6	1,75	0,85	2.9	180
VA 65/130	60182169H	130	1 1/2" G	1x230 V	78	0,34	C		6,3	5,8	5,3	4,3	3,4	2,4		2.7	240
VA 65/130 1/2"	60182168H	130	1" G	1x230 V	78	0,34	C		6,3	5,8	5,3	4,3	3,4	2,4		2.6	240
VA 65/180	60181676H	180	1 1/2" G	1x230 V	78	0,34	C		6,3	5,8	5,3	4,3	3,4	2,4		2.7	180
VA 65/180 X	60182167H	180	2" G	1x230 V	78	0,34	C		6,3	5,8	5,3	4,3	3,4	2,4		2.9	180

A, B, D
WET ROTOR CIRCULATORS

ONLY FOR EXTRA EU MARKETS

Pump body in cast iron and motor casing in die-cast aluminium.
Technopolymer impeller and tempered stainless steel driving shaft mounted on graphite brushing lubricated by the pumped liquid itself.
Flanged vents, (threaded series A), provided with threaded connectors for controlling gauges.
Stainless steel protective rotor sleeve, stator sleeve and closing flange.
Ceramic thrust bearing, E.P.D.M. "O" rings and brass air outlet cap.
The two-pole asynchronous motor with wet rotors designed **for three-speed** operation, single-phase version, **for two-speed** operation, for three-phase version.
Thermal overload protection incorporated in the single phase version.
In the twin version an automatic clapet type valve and blank flange are provided.

Operating range
from 1 to 12 m³/h with head up to 11 metres.

Liquid temperature range
from -10°C to +110°C.

Pumped liquid characteristics clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max 30% glycol).

Maximum working pressure 10 bar (1000 kPa).

Protection level IP 44.

Insulation class F.

Cable grommet PG 11.

Installation with motor axis horizontal.
Only for extra EU markets. Please contact our sales network for more information.

ACCESSORIES PAGE 109

A *SINGLE WITH UNIONS*

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			HYDRAULIC DATA										WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,2	7,2	12		
							H (m)	0	10	20	30	40	50	70	120	200		
A 50/180 M	505803001	180	11/2"G	1 x 230 V ~	195	0,95		5,7	5,6	5,4	5,3	5,1	4,8	4,2	2,6		5,3	115
A 50/180 XM	505802041	180	2"G	1 x 230 V ~	189	0,92		5,7	5,6	5,4	5,3	5,1	4,8	4,2	2,6		5,0	115
A 50/180 T	505803601	180	11/2"G	3x400 V ~	197	0,52		5,6	5,6	5,6	5,5	5,43	5,4	4,9	2,8		5,2	115
A 50/180 XT	505802671	180	2"G	3x400 V ~	201	0,50		5,9	5,85	5,8	5,6	5,5	5,2	4,6	2,9		5,3	115
A 56/180 M	505805001	180	11/2"G	1 x 230 V ~	287	1,30		6,35	6,3	6,2	6,18	6	5,9	5,5	4,2	1,2	5,3	115
A 56/180 XM	505804041	180	2"G	1 x 230 V ~	294	1,32		6,35	6,3	6,2	6,18	6	5,9	5,5	4,2	1,2	5,3	115
A 56/180 T	505805601	180	11/2"G	3x400 V ~	294	0,60		6,42	6,42	6,41	6,4	6,4	6,4	6,1	4,8		5,3	115
A 56/180 XT	505804671	180	2"G	3x400 V ~	291	0,60		6,4	6,3	6,2	6,1	6	5,9	5,7	4,4		5,2	115
A 80/180 M	505807001	180	11/2"G	1 x 230 V ~	264	1,15		8,25	8	7,6	7,4	7,2	6,9	6,3	3,8		5,3	115
A 80/180 XM	505806041	180	2"G	1 x 230 V ~	260	1,17		8,25	8	7,6	7,4	7,2	6,9	6,3	3,8		5,3	115
A 80/180 T	505807601	180	11/2"G	3x400 V ~	271	0,57		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7		5,3	115
A 80/180 XT	505806671	180	2"G	3x400 V ~	272	0,57		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7		5,2	115
A 110/180 M	505808001	180	11/2"G	1 x 230 V ~	410	1,77		11,3	11	10,8	10,5	10	9,8	8,9	6,7		5,3	54
A 110/180 XM	505809001	180	2"G	1 x 230 V ~	410	1,77		11,3	11	10,8	10,5	10	9,8	9,2	7	1,7	5,3	54
A 110/180 T	505808601	180	11/2"G	3x400 V ~	403	0,90		11,3	11	10,8	10,5	10	9,8	8,9	6,6		5,2	54
A 110/180 XT	505809601	180	2"G	3x400 V ~	403	0,90		11,3	11	10,8	10,5	10	9,8	9,2	7	1,6	5,2	54

A, B, D
WET ROTOR CIRCULATORS

B *SINGLE WITH FLANGES*

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			HYDRAULIC DATA										WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,2	7,2	12		
								0	10	20	30	40	50	70	120	200		
B 50/250.40 M	505812041	250	DN 40	1 x 230 V ~	195	0,95	H (m)	5,7	5,6	5,4	5,3	5,1	4,8	4,2	2,6		9,1	42
B 50/250.40 T	505812671	250	DN 40	3x400 V ~	201	0,50		5,9	5,85	5,8	5,6	5,5	5,2	4,6	2,9		9,3	42
B 56/250.40 M	505814041	250	DN 40	1 x 230 V ~	294	1,32		6,35	6,3	6,2	6,18	6	5,9	5,5	4,2	1,2	9,3	42
B 56/250.40 T	505814671	250	DN 40	3x400 V ~	291	0,60		6,4	6,3	6,2	6,1	6	5,9	5,7	4,4		9,2	42
B 80/250.40 M	505816041	250	DN 40	1 x 230 V ~	260	1,17		8,25	8	7,6	7,4	7,2	6,9	6,3	3,8		9,3	42
B 80/250.40 T	505816671	250	DN 40	3x400 V ~	272	0,57		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7		9,3	42
B 110/250.40 M	505818001	250	DN 40	1 x 230 V ~	410	1,77		11,3	11	10,8	10,5	10	9,8	9,2	7	1,7	9,2	42
B 110/250.40 T	505818601	250	DN 40	3x400 V ~	403	0,90		11,3	11	10,8	10,5	10	9,8	9,2	7	1,6	9,3	42

D *TWIN WITH FLANGES*

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			HYDRAULIC DATA										WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A	Q m³/h l/min	0	0,6	1,2	1,8	2,4	3	4,2	7,2	12		
								0	10	20	30	40	50	70	120	200		
D 50/250.40 M	505822041	250	DN 40 - PN 10	1 x 230 V ~	195	0,95	H (m)	5,7	5,6	5,4	5,3	5,1	4,8	4,2	2,6		15,3	24
D 50/250.40 T	505822671	250	DN 40 - PN 10	3x400 V ~	201	0,50		5,9	5,85	5,8	5,6	5,5	5,2	4,6	2,9		15,8	24
D 56/250.40 M	505824041	250	DN 40 - PN 10	1 x 230 V ~	294	1,32		6,35	6,3	6,2	6,18	6	5,9	5,5	4,2	1,2	15,8	24
D 56/250.40 T	505824671	250	DN 40 - PN 10	3x400 V ~	291	0,60		5,9	5,85	5,8	5,6	5,5	5,2	4,6	2,9		15,4	24
D 80/250.40 M	505826041	250	DN 40 - PN 10	1 x 230 V ~	260	1,17		8,25	8	7,6	7,4	7,2	6,9	6,3	3,8		15,8	24
D 80/250.40 T	505826671	250	DN 40 - PN 10	3x400 V ~	272	0,57		8,2	7,9	7,6	7,3	7	6,8	6,1	3,7		15,8	24
D 110/250.40 M	505828001	250	DN 40 - PN 10	1 x 230 V ~	410	1,77		11,3	11	10,8	10,5	10	9,8	9,2	7	1,7	16	24
D 110/250.40 T	505828601	250	DN 40 - PN 10	3x400 V ~	403	0,90		11,3	11	10,8	10,5	10	9,8	9,2	7	1,6	15,8	24

BPH, BMH, DPH, DMH

WET ROTOR CIRCULATORS

ONLY FOR EXTRA EU MARKETS

Pump for circulating hot water in small closed and pressurised or open tank civil and industrial community heating systems.
Cast iron body and wet rotor motor.
Die-cast aluminium motor casing.
Flanged inlet and delivery mouths, fitted with threaded unions for pressure gauges.
Technopolymer impeller, tempered stainless steel driving shaft.
Stainless steel protective rotor sleeve and stator sleeve.
Four pole asynchronous motor for the BMH and DMH versions, two pole motor for the BPH and DPH versions.
The Single-phase circulator has been designed to work at three speeds - 230V, while the Three-phase circulator has been designed to work at two speeds - 230 V and at three speeds - 400 V.
Thermal overload protection incorporated in the single-phase version.
For the three-phase version the motor must be connected to the power supply through an external contactor.
An automatic clapet type valve is incorporated into the delivery mouth of the twin version in order to prevent water from recirculating while the unit is not working; a blank flange is also supplied standard if one of the two motors must be serviced.

Protection level
IP44 three-phase; IP42 single-phase.
Operating range
from 1.5 to 78 m^3/h with head up to 18 metres.
Liquid temperature range for three-phase version: from -10°C to +120°C (for the models BPH, DPH 150/340.65 T and BPH, DPH 150/360.80 T; BPH, DPH 150-180/280.50 T; BPH, DPH 180/340.65 T; BPH, DPH 180/360.80 T: from -10°C to +110°C). For single-phase version: from -10°C to +110°C.
Characteristics of pumped liquid clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max. glycol 30%).
Maximum operating pressure 10 bar (1000 kPa).
Standard flanging DN 40, DN 50, DN 65, DN 80 in PN 6/PN 10 (4 holes).
Flanging on request DN 80 in PN 10/PN 16 (8 holes).
Installation with motor axis horizontal.
Cable grommet PG 11.
Only for extra EU markets. Please contact our sales network for more information.

ACCESSORIES PAGE 109

SINGLE WITH FLANGES

BMH 1400 1/min.
BPH 2800 1/min.

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			HYDRAULIC DATA																			WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A	Q m^3/h l/min	0	1,8	2,4	3	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	54	72		
								0	30	40	50	70	90	120	160	200	240	300	400	500	600	700	900	1200		
BMH 30/250.40T	505900622	250	DN 40	3 x 230 V ~	100	0,48		3,3	3,1	2,95	2,85	2,5	2,1	1,15											17,5	24
				3 x 400 V ~	192	0,78																				
BPH 60/250.40M	505904002	250	DN 40	1 x 230 V ~	316	1,43		7,2	6,8	6,7	6,5	6,2	5,8	5	3,7	2									17,5	24
BPH 60/250.40T	505904622	250	DN 40	3 x 230 V ~	253	0,81		7,65	7,4	7,3	7,2	6,8	6,4	5,45	3,9	2,25									17,5	24
				3 x 400 V ~	348	0,99																				
BPH 120/250.40M	505907002	250	DN 40	1 x 230 V ~	510	2,24		11	10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4								17,5	24
BPH 120/250.40T	505907622	250	DN 40	3 x 230 V ~	395	1,2		12		11	10,7	10,1	9,5	8,4	6,8	4,7	2,2								17,5	24
				3 x 400 V ~	5,36	1,16																				
BMH 30/280.50T	505920622	280	DN 50	3 x 230 V ~	148	0,7		3,15		3,02	3	2,93	2,85	2,65	2,3	1,75	1,2								24	24
				3 x 400 V ~	255	1,12																				
BMH 60/280.50T	505923622	280	DN 50	3 x 230 V ~	272	0,94		5,83		5,65	5,6	5,49	5,35	5,1	4,75	4,2	3,65	2,62							24	24
				3 x 400 V ~	410	1,2																				
BPH 60/280.50M	505924002	280	DN 50	1 x 230 V ~	595	2,79		7,65	7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3						24	24
BPH 60/280.50T	505924622	280	DN 50	3 x 230 V ~	464	1,35		7,95		7,75	7,7	7,6	7,5	7,35	6,92	6,45	5,85	4,65	2,4						24	24
				3 x 400 V ~	589	1,31																				
BPH 120/280.50M	505927002	280	DN 50	1 x 230 V ~	870	3,97		11,3				10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1					24	24
BPH 120/280.50T	505927622	280	DN 50	3 x 230 V ~	683	1,95		11,7				11,3	11	10,75	10,25	9,6	8,9	7,75	5,4	2,6					26	24
				3 x 400 V ~	898	1,67																				
BPH 150/280.50T	505928622	280	DN 50	3 x 230 V ~	1130	3,22		15				14,6	14,4	14	13,6	12,7	11,8	10,5	7,5						26	24
				3 x 400 V ~	1470	2,9																				
BPH 180/280.50T	505929622	280	DN 50	3 x 230 V ~	1230	3,5	H (m)	18,4						17,4	17	16,4	15,6	14,4	12	8,8	5,2				26	24
				3 x 400 V ~	1630	3																				
BMH 30/340.65T	505940622	340	DN 65	3 x 230 V ~	170	0,73		3,15				3,09	3,02	2,98	2,85	2,55	2,25	1,65							27,5	12
				3 x 400 V ~	270	1,12																				
BMH 60/340.65T	505943622	340	DN 65	3 x 230 V ~	295	1		5,4				5,15	5,05	4,9	4,7	4,45	4,1	3,45	2,25						27,5	12
				3 x 400 V ~	445	1,2																				
BPH 60/340.65M	505944002	340	DN 65	1x230 V ~	735	3,37		6,8	6,79	6,75	6,7	6,6	6,57	6,5	6,35	6,2	5,95	5,5	4,35	2,85	1,2				27,5	12
BPH 60/340.65T	505944622	340	DN 65	3 x 230 V ~	582	1,67		7,4				7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4				30,5	12
				3 x 400 V ~	756	1,5																				
BPH 120/340.65T	505947622	340	DN 65	3 x 230 V ~	1001	2,85		10,9				10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3			32,5	12
				3 x 400 V ~	1275	2,64																				
BPH 150/340.65T	505948622	340	DN 65	3 x 230 V ~	1345	3,8		14,9				14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15			32,5	12
				3 x 400 V ~	1796	3,25																				
BPH 180/340.65T	505949622	340	DN 65	3 x 230 V ~	1730	4,85		17,9						17,8	17,7	17,5	17,3	16,8	15,7	14,1	12,1	10			32,5	12
				3 x 400 V ~	2760	4,2																				
BMH 30/360.80T	505960122	360	DN 80	3 x 230 V ~	313	1,05		3,9						3,85	3,8	3,75	3,65	3,48	3,1	2,45	1,75				31	12
				3 x 400 V ~	484	1,23																				
BMH 60/360.80T	505963122	360	DN 80	3 x 230 V ~	535	1,82		5,7						5,66	5,61	5,59	5,5	5,4	5	4,55	3,9	3,1			40	12
				3 x 400 V ~	763	2,04																				
BPH 120/360.80T	505967122	360	DN 80	3 x 230 V ~	1410	3,95		11,8						11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65		40	12
				3 x 400 V ~	1820	3,3																				
BPH 150/360.80T	505968122	360	DN 80	3 x 230 V ~	1984	5,62		15,3						15,1	15,06	14,99	14,92	14,75	14,5	14	13,4	12,4	10,3	6	40	12
				3 x 400 V ~	2870	4,64																				
BPH 180/360.80T	505969122	360	DN 80	3 x 230 V ~	1670	4,7		17,5						17,4	17,25	17,1	16,8	16,25	15	13,7	12	10,1	5,5		40	12
				3 x 400 V ~	2310	4																				

BPH, BMH, DPH, DMH

WET ROTOR CIRCULATORS

TWIN WITH FLANGES

DMH 1400 1/min.
DPH 2800 1/min.

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	ELECTRICAL DATA			HYDRAULIC DATA																			WEIGHT KG	Q.TY x PALLET
				VOLTAGE 50 Hz	P1 MAX W	In A	Q m^3/h l/min	0	1,8	2,4	3	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	54	72		
								0	30	40	50	70	90	120	160	200	240	300	400	500	600	700	900	1200		
DMH 30/250.40 T	505910622	250	DN 40	3 x 230 V ~	100	0,48		3,3	3,1	2,95	2,85	2,5	2,1	1,15											32	12
				3 x 400 V ~	192	0,78																				
DPH 60/250.40 M	505914002	250	DN 40	1 x 230 V ~	316	1,43		7,2	6,8	6,7	6,5	6,2	5,8	5	3,7	2									32	12
DPH 60/250.40 T	505914622	250	DN 40	3 x 230 V ~	253	0,81		7,65	7,4	7,3	7,2	6,8	6,4	5,45	3,9	2,25									32	12
				3 x 400 V ~	348	0,99																				
DPH 120/250.40 M	505917002	250	DN 40	1 x 230 V ~	510	2,24		11	10,3	10,1	9,8	9,2	8,6	7,65	6,2	4,35	2,4								32	12
DPH 120/250.40 T	505917622	250	DN 40	3 x 230 V ~	395	1,2		12		11	10,7	10,1	9,5	8,4	6,8	4,7	2,2								32	12
				3 x 400 V ~	5,36	1,16																				
DMH 30/280.50 T	505930622	280	DN 50	3 x 230 V ~	148	0,7		3,15		3,02	3	2,93	2,85	2,65	2,3	1,75	1,2								51,5	8
				3 x 400 V ~	255	1,12																				
DMH 60/280.50 T	505933622	280	DN 50	3 x 230 V ~	272	0,94		5,83		5,65	5,6	5,49	5,35	5,1	4,75	4,2	3,65	2,62							44,5	8
				3 x 400 V ~	410	1,2																				
DPH 60/280.50 M	505934002	280	DN 50	1 x 230 V ~	595	2,79		7,65	7,5	7,45	7,4	7,3	7,2	6,98	6,7	6,2	5,75	4,6	2,3						44,5	8
DPH 60/280.50 T	505934622	280	DN 50	3 x 230 V ~	464	1,35		7,95		7,75	7,7	7,6	7,5	7,35	6,92	6,45	5,85	4,65	2,4						44,5	8
				3 x 400 V ~	589	1,31																				
DPH 120/280.50M	505937002	280	DN 50	1 x 230 V ~	870	3,97		11,3				10,8	10,5	10,3	9,9	9,4	8,5	7,2	4,8	2,1					44,5	8
DPH 120/280.50 T	505937622	280	DN 50	3 x 230 V ~	683	1,95		11,7				11,3	11	10,75	10,25	9,6	8,9	7,75	5,4	2,6					49	8
				3 x 400 V ~	898	1,67																				
DPH 150/280.50T	505938622	280	DN 50	3 x 230 V ~	1130	3,22		15				14,6	14,4	14	13,6	12,7	11,8	10,5	7,5						49	8
				3 x 400 V ~	1470	2,9																				
DPH 180/280.50T	505939622	280	DN 50	3 x 230 V ~	1230	3,5	H (m)	18,4						17,4	17	16,4	15,6	14,4	12	8,8	5,2				49	8
				3 x 400 V ~	1630	3																				
DMH 30/340.65 T	505950622	340	DN65	3 x 230 V ~	170	0,73		3,15				3,09	3,02	2,98	2,85	2,55	2,25	1,65							57	8
				3 x 400 V ~	270	1,12																				
DMH 60/340.65 T	505953622	340	DN65	3 x 230 V ~	295	1		5,4				5,15	5,05	4,9	4,7	4,45	4,1	3,45	2,25						50	8
				3 x 400 V ~	445	1,2																				
DPH 60/340.65 M	505954002	340	DN65	1 x 230 V ~	735	3,37		6,8	6,79	6,75	6,7	6,6	6,57	6,5	6,35	6,2	5,95	5,5	4,35	2,85	1,2				50	8
DPH 60/340.65 T	505954622	340	DN65	3 x 230 V ~	582	1,67		7,4				7,35	7,3	7,24	7,1	6,9	6,65	6,15	4,9	3,3	1,4				50	8
				3 x 400 V ~	756	1,5																				
DPH 120/340.65 T	505957622	340	DN65	3 x 230 V ~	1001	2,85		10,9				10,75	10,68	10,6	10,5	10,38	10,2	9,8	8,7	7,15	5,2	3			59	8
				3 x 400 V ~	1275	2,64																				
DPH 150/340.65 T	505958622	340	DN65	3 x 230 V ~	1345	3,8		14,9				14,88	14,83	14,75	14,65	14,55	14,3	13,88	12,65	11	9,35	7,15			59	8
				3 x 400 V ~	1796	3,25																				
DPH 180/340.65 T	505959622	340	DN65	3 x 230 V ~	1730	4,85		17,9						17,8	17,7	17,5	17,3	16,8	15,7	14,1	12,1	10			59	8
				3 x 400 V ~	2760	4,2																				
DMH 30/360.80 T	505970122	360	DN80	3 x 230 V ~	313	1,05		3,9						3,85	3,8	3,75	3,65	3,48	3,1	2,45	1,75				54,5	8
				3 x 400 V ~	484	1,23																				
DMH 60/360.80 T	505973122	360	DN80	3 x 230 V ~	535	1,82		5,7						5,66	5,61	5,59	5,5	5,4	5	4,55	3,9	3,1			72	8
				3 x 400 V ~	763	2,04																				
DPH 120/360.80 T	505977122	360	DN80	3 x 230 V ~	1410	3,95		11,8						11,65	11,58	11,5	11,4	11,25	10,75	10,2	9,39	8,37	5,65		72	8
				3 x 400 V ~	1820	3,3																				
DPH 150/360.80 T	505978122	360	DN80	3 x 230 V ~	1984	5,62		15,3						15,1	15,06	14,99	14,92	14,75	14,5	14	13,4	12,4	10,3	6	72	8
				3 x 400 V ~	2870	4,64																				
DPH 180/360.80 T	505979122	360	DN80	3 x 230 V ~	1670	4,7		17,5						17,4	17,25	17,1	16,8	16,25	15	13,7	12	10,1	5,5		72	8
				3 x 400 V ~	2310	4																				

EVOPLUS SMALL SAN

ELECTRONIC CIRCULATORS FOR HEATING AND AIR-CONDITIONING SYSTEMS

Circulator for domestic hot water systems of the closed circuit pressurized type or open circuit type.
Bronze pump body.
Motor casing in die-cast aluminium.
Technopolymer impeller.
Ceramic motor shaft mounted on graphite bushings lubricated by the pumped liquid.
Stainless steel rotor sleeve, stator sleeve and closing flange.
Ceramic thrust ring, ethylene propylene sealing rings.
Synchronous motor with permanent magnet rotor.

Operating range
from 2 to 12 m³/h with head up to 11 meters.

Liquid temperature range
from -10°C to 110°C.

Pumped liquid clean, free from solids and mineral oils, not viscous, chemically neutral, close to the properties of water.

Maximum working pressure
16 bar (1600 kPA).

Protection rating IP 44.

Insulation class F.

Installation with horizontal motor shaft.

EVOPLUS

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SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	UNIONS ON REQUEST		ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG
				STANDARDISED	SPECIAL	VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0 0	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	
EVOPLUS 40/180 SAN M	60151144	180	1" ½	1" F	1/2" F - 3/4" F - UNION KIT TO BE WELDED Ø 22 / Ø 28	220/240 V	70	0,52	H (m)	4,2	4,2	4	3,1	2,4			4,5
EVOPLUS 60/180 SAN M	60151145	180	1" ½	1" F	1/2" F - 3/4" F - UNION KIT TO BE WELDED Ø 22 / Ø 28	220/240 V	100	0,72		6,1	6,1	5,8	4,6	3,4			4,5
EVOPLUS 80/180 SAN M	60151146	180	1" ½	1" F	1/2" F - 3/4" F - UNION KIT TO BE WELDED Ø 22 / Ø 28	220/240 V	135	0,95		8,2	8,2	7,7	6,2	4,8	2,9		4,5
EVOPLUS 110/180 SAN M	60151147	180	1" ½	1" F	1/2" F - 3/4" F - UNION KIT TO BE WELDED Ø 22 / Ø 28	220/240 V	170	1,16		11,1	10,1	9,2	7,5	5,9	3,9		4,5

SINGLE WITH FLANGES

	MODEL	CODE	CENTRE DISTANCE mm	UNIONS ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA								WEIGHT KG
					VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0 0	2,4 40	3 50	4,2 70	5,4 90	7,2 120	9,6 160	
DN 32	**EVOPLUS B 40/220.32 SAN M**	60151148	220	DN 32 PN 6	220/240 V	85	0,55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		8,6
DN 32	**EVOPLUS B 60/220.32 SAN M**	60151151	220	DN 32 PN 6	220/240 V	110	0,75		6,1	6,1	5,6	4,6	3,6	2,2		8,6
DN 32	**EVOPLUS B 80/220.32 SAN M**	60151152	220	DN 32 PN 6	220/240 V	150	0,97		8	8	7,3	6	4,9	3,3		8,6
DN 32	**EVOPLUS B 110/220.32 SAN M**	60151153	220	DN 32 PN 6	220/240 V	200	1,3		11,2	10,5	9,6	8,1	6,8	5	2,6	8,6
DN 40	**EVOPLUS B 40/250.40 SAN M**	60151154	250	DN 40 PN 10	220/240 V	75	0,55	H (m)	4,2	4,2	4,2	3,3	2,5	1,3		9,3
DN 40	**EVOPLUS B 60/250.40 SAN M**	60151155	250	DN 40 PN 10	220/240 V	105	0,75		6,1	6,1	5,6	4,6	3,6	2,2		9,3
DN 40	**EVOPLUS B 80/250.40 SAN M**	60151157	250	DN 40 PN 10	220/240 V	140	0,97		8	8	7,3	6	4,9	3,3		9,3
DN 40	**EVOPLUS B 110/250.40 SAN M**	60151158	250	DN 40 PN 10	220/240 V	190	1,3		11,2	10,5	9,6	8,1	6,8	5	2,6	9,3

DAB WATER•TECHNOLOGY

EVOPLUS SAN

ELECTRONIC CIRCULATORS FOR HEATING AND AIR-CONDITIONING SYSTEMS

Circulator for domestic hot water systems of the closed circuit pressurized type or open circuit type.
Bronze pump body.
Motor casing in die-cast aluminium.
Technopolymer impeller.
Steel motor shaft mounted on ceramic bushings lubricated by the pumped liquid.
Stainless steel rotor sleeve and closing flange, stator sleeve in carbon fibre composite.
Ceramic thrust ring, ethylene propylene sealing rings. Synchronous motor with permanent magnet rotor.

Operating range from 4 to 42 m³/h with head up to 17 meters.

Liquid temperature range from -10°C to 110°C.

Pumped liquid clean, free from solids and mineral oils, not viscous, chemically neutral, close to the properties of water.

Maximum working pressure 16 bar (1600 kPA).

Protection rating IP 44.

Insulation class F.

Installation with horizontal motor shaft.

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SINGLE WITH FLANGES

	MODEL	CODE	CENTRE DISTANCE mm	COUNTERFL. ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA												WEIGHT KG
					VOLTAGE 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0	4,2	5,4	7,2	9,6	12	14,4	18	24	30	36	42	
									0	70	90	120	160	200	240	300	400	500	600	700	
DN 32	EVOPLUS B 120/220.32 SAN M	60151163	220	DN 32 PN 6	220/240 V	340	1,7	H (m)	12,1	11,5	10,7	9,5	7,9	6,3	4,7	2,2					24
DN 40	EVOPLUS B 120/250.40 SAN M	60151164	250	DN 40 PN 10	220/240 V	465	2,2		12			11,5	10,1	8,7	7,3	5,2					22
	EVOPLUS B 150/250.40 SAN M	60151165	250	DN 40 PN 10	220/240 V	610	2,9	H (m)	15			14,5	12,8	11,3	9,7	7,5	3,8				20
	EVOPLUS B 180/250.40 SAN M	60151166	250	DN 40 PN 10	220/240 V	610	2,9		18		16,2	14,6	13	11,2	9,6	7,4	3,9				20
DN 50	EVOPLUS B 100/280.50 SAN M	60151167	280	DN 50 PN 10	220/240 V	430	2,1		10			9,4	8,4	7,5	6,7	5,5	3,6	2			22
	EVOPLUS B 120/280.50 SAN M	60151169	280	DN 50 PN 10	220/240 V	530	2,5	H (m)	12			11	9,9	9	8,2	6,9	4,8	3			21,8
	EVOPLUS B 150/280.50 SAN M	60151170	280	DN 50 PN 10	220/240 V	640	3		15,3			12,4	11,5	10,6	9,6	8,3	6,2	4,2			22,8
	EVOPLUS B 180/280.50 SAN M	60151171	280	DN 50 PN 10	220/240 V	750	3,45		17,1			14	13	12	11,1	9,7	7,4	5,2	3,1		22,8
DN 65	EVOPLUS B 40/340.65 SAN M	60151172	340	DN 65 PN 10	220/240 V	190	1,1		4			4	3,8	3,4	3	2,4	1,4				27
	EVOPLUS B 60/340.65 SAN M	60151173	340	DN 65 PN 10	220/240 V	355	1,8		6				6	5,9	5,4	4,7	3,7	2,2			27,2
	EVOPLUS B 80/340.65 SAN M	60151176	340	DN 65 PN 10	220/240 V	465	2,2		8				7,8	7,4	6,8	5,9	4,6	3,5	2		27,8
	EVOPLUS B 100/340.65 SAN M	60151177	340	DN 65 PN 10	220/240 V	590	2,8	H (m)	10,1				9,8	9,1	8,4	7,6	6,1	4,7	3,1		28
	EVOPLUS B 120/340.65 SAN M	60151178	340	DN 65 PN 10	220/240 V	730	3,45		12				11,5	10,8	10	9	7,4	5,9	4,6	2,8	28,2
	EVOPLUS B 150/340.65 SAN M	60151179	340	DN 65 PN 10	220/240 V	1210	5,5		15,2					14,9	14,7	14	12,1	10,3	8,5	6,9	30

VS

WET ROTOR CIRCULATORS

Pump for hot water circulation in hot water domestic systems of the closed and pressurised or open tank type. Also suitable for solar power systems.
Single body formed of the bronze hydraulic unit. Die-cast aluminium motor casing. Technopolymer impeller. Alumina driving shaft mounted on graphite brushing lubricated by the pumped liquid itself.
Stainless steel protective rotor sleeve, stator sleeve and closing flange.
Ceramic thrust bearing, E.P.D.M. "O" rings.
The two-pole or four-pole asynchronous motor with wet rotor is self-protected for resistance. **No overload protection required.**

Operating range
from 0.5 to 3,6 m^3/h with head up to 6 metres.

Liquid temperature range
from -10°C to +85°C (for sanitary use)
+110°C (for others use).

Pumped liquid characteristics clean, free from solids and mineral oils, not viscous, chemically neutral, close to the characteristics of water (max 30% glycol).

Maximum working pressure
10 bar (1000 kPa).

Protection level IP 44.

Insulation class F.

Cable grommet PG 11.

Installation with motor axis horizontal.

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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUPLINGS	UNIONS ON REQUEST	ELECTRICAL DATA			ENERGY CLASS	HYDRAULIC DATA							WEIGHT KG	Q.TY x PALLET
					VOLTAGE 50 Hz	P1 MAX W	In A		Q=m^3h	0	0,6	1,2	1,8	2,4	3		
									Q=l/min	0	10	20	30	40	50		
VS 8/150 M	60182217H	150	1 ½"	Brass 1/2" F - 3/4" F - 1" F Copper d22 e d28	1x230 V	22	0,14	B	H (m)	0,83	0,75	0,52	0,22			2,6	180
VS 16/150 M	60182216H	150	1 ½"	Brass 1/2" F - 3/4" F - 1" F Copper d22 e d28	1x230 V	41	0,19	B		1,82	1,75	1,65	1,44	1,07	0,6	2,6	180
VS 35/150 M	60182215H	150	1 ½"	Brass 1/2" F - 3/4" F - 1" F Copper d22 e d28	1x230 V	55	0,24	B		4,1	3,7	3,3	2,82	2,2	1,3	2,6	180
VS 65/150 M	60182213H	150	1 ½"	Brass 1/2" F - 3/4" F - 1" F Copper d22 e d28	1x230 V	78	0,34	C		6	5,55	5,05	4,25	3,4	2,6	2,6	180

ALME, ALPE - MCE-C

ELECTRONIC IN-LINE PUMPS

NEW

Electronic pumps for circulation systems for conditioning, heating, water recirculation where there are solar thermal panels (solar collectors) and for the circulation of domestic hot water in commercial building service. The **MCE-C** variable frequency drive that is installed as standard provides greater efficiency, energy savings and protection against water hammering.
The **ALME** version has a four-pole motor, the **ALPE** version has a two-pole motor. Cast iron pump body and motor support. The motor is air cooled in all models. The pumps supports a wide range of temperatures from -15°C to +120°C. Threaded suction and delivery port. Possibility of remote control thanks to the DConnect service (DConnect Box supplied separately).

New shaft in AISI 316 and new carbon/ceramic mechanical seal for greater reliability.

Operating range
from 1 to 8.4 m³/h with head up to 21 meters.

Liquid temperature range
From -15°C to +120°C.

Liquid quality requirements clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water – maximum glycol percentage 30 % (for different glycol percentages, please contact the Technical Assistance Service).

Installation fixed horizontally.

Maximum ambient temperature +40°C.

Maximum working pressure 10 bar (1000 kPa).

Protection rating IP55.

Insulation class F.

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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG
		VOLTAGE 50/60 Hz	P2 NOMINAL		In A	Q=m³h	0	1,2	2,4	3,6	4,8	6	7,2	8,4			
			kW	HP		Q=l/min	0	20	40	60	80	100	120	140			
ALME 500 M MCE11/C	60214698	1x230 V	0,25	0,33	3,2	H (m)	5,5	5,4	5,3	4,8	4,1	3	1,5		2" M	2" M	19,5
ALPE 2000 M MCE11/C	60214700	1x230 V	0,55	0,75	6,4		21,1	20,6	19,6	18	16	13,8	10,5	5,3	2" M	2" M	19,5

KLME, KLPE / DKLME, DKLPE - MCE-C

ELECTRONIC IN-LINE PUMPS

NEW

Circulation pumps for hot or cold water with in-line ports, suitable for installation directly on the pipes in civil and industrial heating, conditioning, refrigeration and sanitary water systems. Particularly versatile thanks to the use of the **MCE-C** variable frequency drive, it guarantees performances capable of automatically adapting to the different demands of the system while maintaining constant differential pressures.
Cast iron pump body and motor support. MSuction and delivery port are flanged (PN 10). To facilitate interchangeability in existing systems, the pump can accept counterflanges in PN 6. The impeller is in technopolymer. In the twin version there is a clapet valve incorporated in the delivery port to avoid water recirculation in the unit when at rest.
A blind flange is also supplied as standard just in case maintenance of one of the two motor is necessary. The twin execution allows you to alternate the operation of the pumps where the spare unit is required or the simultaneous operation of the two pumps. The motor is asynchronous and fan-cooled, external with four poles for the **KLME** and **DKLME** versions and two poles for the **KLPE** and **DKLPE** versions. Rotor mounted on oversized, greased-for-life ball bearings to ensure silence and durability. Built-in thermo-amperometric protection. Construction according to CEI 2-3 regulations.

New AISI 316 shaft and new carbon/ceramic mechanical seal for greater reliability.

Operating range
From 2 to 84 m³/h with head up to 23,4 meters.

Liquid temperature range
From -15°C to +120°C.

Liquid quality requirements clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water - maximum glycol percentage 30 % (for different glycol percentages, please contact the Technical Assistance Service).

Installation normally horizontal or vertical provided the motor is always above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure 10 bar (1000 kPa).

Protection rating IP55.

Insulation class F.

Standard flanging DN 40, DN 50, DN 65, DN 80 in PN 6/PN 10 (4 Holes).

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KLME / KLPE *SINGLE FLANGES WITH INVERTER MCE/C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE	POLES	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM			CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
KLPE 40-600	40	40	250	2	60214710 *	MCE11/C	0,3	0,4	2,72	26						
KLPE 40-1200	40	40	250	2	60214713 *	MCE11/C	0,54	0,7	4,73	26						
KLPE 40-1800	40	40	250	2	60214709 *	MCE11/C	0,85	1,2	5,78	28						
KLME 50-600	50	50	280	4	60215115 *	MCE11/C	0,22	0,3	2,08	31						
KLPE 50-1200	50	50	280	2	60214711 *	MCE11/C	0,72	1	5,14	33						
KLPE 50-2000	50	50	280	2	60214708 *	MCE15/C	1,83	2,5	12,8	41						
KLPE 65-1200	65	65	340	2	60214703 *	MCE11/C	1,1	1,5	10,7	43	60214705 *	MCE30/C	1,1	1,5	3,9	58
KLPE 65-2000	65	65	340	2	60215117 *	MCE22/C	2	2,7	18,8	47	60214707 *	MCE30/C	2	2,7	5,3	51
KLPE 80-1200	80	80	360	2	60214704 *	MCE15/C	1,84	2,5	16	47	60214706 *	MCE30/C	1,84	2,5	4,8	52
											60214712 *	MCE55/C	3,67	5	9,07	60

* Available with proportional differential pressure regulation ΔP-v.

DKLME / DKLPE *TWIN FLANGES WITH INVERTER MCE/C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE	POLES	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM			CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
DKLPE 40-600	40	40	250	2	60215116 *	MCE11/C	0,3	0,4	2,72	56						
DKLPE 40-1200	40	40	250	2	60214719 *	MCE11/C	0,54	0,7	4,73	61						
DKLPE 40-1800	40	40	250	2	60214720 *	MCE11/C	0,85	1,2	5,78	66						
DKLME 50-600	50	50	280	4	60215120 *	MCE11/C	0,22	0,3	2,08	76						
DKLPE 50-1200	50	50	280	2	60214721 *	MCE11/C	0,72	1	5,14	88						
DKLPE 50-2000	50	50	280	2	60214718 *	MCE15/C	1,83	2,5	12,8	104						
DKLME 65-600	65	65	340	4	60215121 *	MCE11/C	0,24	0,3	2,23	80						
DKLPE 65-1200	65	65	340	2	60215118 *	MCE11/C	1,1	1,5	10,7	99	60215119 *	MCE30/C	1,1	1,5	3,9	92
DKLPE 65-2000	65	65	340	2	60214717 *	MCE22/C	2	2,7	18,8	108	60214716 *	MCE30/C	2	2,7	5,3	116
DKLPE 80-1200	80	80	360	2	60214714 *	MCE15/C	1,84	2,5	16	98	60214715 *	MCE30/C	1,84	2,5	4,8	108
DKLPE 80-2000	80	80	360	2							60214722 *	MCE55/C	3,67	5	9,07	125

* Available with proportional differential pressure regulation ΔP-v.

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

KLME, KLPE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m^3/h) (l/min)	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84
	kW	HP		0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200	1400
KLPE 40- 600	0,37	0,5	H (m)	8,3	7,7	7	6,6	5,4	3,8	2												
KLPE 40-1200	0,55	0,75		13,9	12,6	11,8	11,3	9,9	8,2	6,2	5											
KLPE 40-1800	0,85	1,2		18,9	17,5	16,6	16	14,7	13	11	9,9	2,7										
KLME 50-600	0,25	0,33		5,8	5,5	5,2	5	4,5	4	3,2	2,8											
KLPE 50-1200	0,75	1		12,2	12	11,7	11,5	11	10,3	9,5	9,1	6,6	3,8									
KLPE 50-2000	1,83	2,5		23,4	23,2	22,9	22,8	22,3	21,7	21	20,6	18,2	15,3	12								
KLME 65-600	0,37	0,5		5,1	5	4,9	4,8	4,5	4,2	3,8	3,6	2,1										
KLPE 65-1200	1,1	1,5		12,3	12,3	12,2	12,2	12,2	12,1	12	12	11	9,2	6,8								
KLPE 65-2000	2	2,7		20,6	20,7	20,6	20,6	20,5	20,3	20	19,8	18,8	17,2	15,1	9,7				9,7			
KLME 80-600	0,75	1		5,6	5,8	5,8	5,8	5,8	5,8	5,7	5,7	5,4	5	4,3	2,4				2,4			
KLPE 80-1200	1,84	2,5		11,8	11,7	11,7	11,7	11,6	11,6	11,6	11,6	11,5	11,3	11	9,8	7,4	4,2		9,8	7,4	4,2	
KLPE 80-2000	3,67	5		20,8	21	21	21	21,1	21,1	21,1	21,1	21,1	21	20,6	19,3	17,4	14,8	11,7	19,3	17,4	14,8	11,7

DKLME, DKLPE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m^3/h) (l/min)	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72
	kW	HP		0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200
DKLPE 40- 600	0,37	0,5	H (m)	8,3	7,8	7,5	7,1	5,4	3,9	1,9											
DKLPE 40-1200	0,55	0,75		14,3	13,6	13,2	12,8	11,1	9,4	7,5	5,3	4,1									
DKLPE 40-1800	0,85	1,2		19,1	18,2	17,8	17,3	15,4	13,6	11,5	9,1	7,7									
DKLME 50-600	0,25	0,33		5,7	5,4	5,3	5,1	4,2	3,6	2,9	2	1,6									
DKLPE 50-1200	0,75	1		12,3	11,9	11,7	11,5	10,8	10,1	9,3	8,4	7,9	5								
DKLPE 50-2000	1,83	2,5		23,2	22,8	22,6	22,3	21,3	20,4	19,5	18,5	17,9	14,8	11,2	7						
DKLME 65-600	0,37	0,5		5,1	5,1	5	5	4,5	4,2	3,8	3,3	3,1	1,7								
DKLPE 65-1200	1,1	1,5		12,4	12,3	12,2	12,1	12	11,9	11,7	11,5	11,4	10,2	8,3	6						
DKLPE 65-2000	2	2,7		20,4	20,1	20	20	19,8	19,7	19,4	19,1	19	17,5	15,5	13	7,8			7,8		
DKLME 80-600	0,75	1		5,6	5,6	5,6	5,6	5,5	5,4	5,3	5,2	5	4,6	3,9	3,1						
DKLPE 80-1200	1,84	2,5		11,9	11,8	11,8	11,7	11,6	11,5	11,3	11,2	11,1	10,5	9,7	8,8	4,5	3,9		4,5	3,9	
DKLPE 80-2000	3,67	5		20,3	20,3	20,3	20,3	20,3	20,3	20,2	20,2	20,1	19,9	19,4	18,8	16,8	13,9	10,4	16,8	13,9	10,4

CME, CM-GE / DCME, DCM-GE - MCE-C - 4 POLES

ELECTRONIC IN-LINE PUMPS

Circulation pumps with in-line ports, suitable for installation in heating and air conditioning, refrigeration, and domestic hot water systems.
Extremely versatile thanks to the use of the **MCE-C** inverter, they offer performance capable of adapting automatically to the system's various demands while keeping pressure differentials unchanged.
Available in single and twin version.
PN 16 flanged inlet and delivery mouths, fitted with threaded holes for pressure gauges.
Pump body and support in cast iron, impeller in cast iron or technopolymer depending on model (in bronze, on request, only from DN 65 to DN 150).
Stainless steel drive shaft.
Sealing device: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O' rings in EPDM. 4-poles three-phase indication motor with external cooling.
Rotor running on ball bearings, oversized to ensure low noise and durability.
Constructed following the CEI 2-3 standards.

Operating range from 1.2 to 360 m^3/h with head up to 34 meters.

Liquid temperature range
from -10°C to +130°C for DN 40 -50.
from -10°C to +140°C for rest of the range.

Liquid quality requirements clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Installation Fixed, horizontal or vertical provided the motor is always above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure 16 bar.

Protection rating IP 55.

Insulation Class F.

Flanging PN 16.

Counter-flanges on request DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150; PN 16.

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CME, CM-GE *SINGLE FLANGES WITH INVERTER MCE-C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
CME 40- 870	40	40	390	60201942 *	MCE11/C	0,49	0,6	5,1	45						
CME 40-1450	40	40	380	60142765 *	MCE11/C	0,9	1,2	10	35	60147374 *	MCE30/C	0,9	1,2	2,5	35
CME 50-1000	50	50	425	60201943 *	MCE11/C	0,65	0,9	6,1	51						
CME 50-1420	50	50	400	60142767 *	MCE11/C	1,1	1,5	11,3	40	60147375 *	MCE30/C	1,1	1,5	2,5	42,6
CM-GE 65-660	65	65	360	60206461 *	MCE11/C	0,55	0,8	7,3	62						
CM-GE 65-920	65	65	360	60191977 *	MCE11/C	0,75	1	9,8	64	60191994 *	MCE30/C	0,75	1	1,8	64
CM-GE 65-1200	65	65	475	60191978 *	MCE15/C	1,5	2	13,9	91	60191995 *	MCE30/C	1,5	2	3,6	91
CM-GE 65-1680	65	65	475							60191979 *	MCE30/C	3	4	6,8	101
CM-GE 65-2380	65	65	475							60191980 *	MCE55/C	4	5,5	8,2	115
CM-GE 80- 650	80	80	360	60191981 *	MCE11/C	0,75	1	9,8	67	60191996	MCE30/C	0,75	1	1,8	69,6
CM-GE 80- 890	80	80	440	60191982 *	MCE11/C	1,5	2	13,9	98	60191997 *	MCE30/C	1,5	2	3,6	98
CM-GE 80-1530	80	80	500							60191983 *	MCE30/C	3	4	6,8	134
CM-GE 80-1700	80	80	500							60191984 *	MCE55/C	4	5,5	8,2	147
CM-GE 80-2410	80	80	620							60191985 *	MCE55/C	5,5	7,5	10,6	175
CM-GE 80-2700	80	80	620							60167282	MCE110/C	7,5	10	14,4	205
CM-GE 80-3420	80	80	620							60167283 *	MCE110/C	11	15	22,4	222
CM-GE 100- 510	100	100	500	60191986 *	MCE11/C	0,75	1	9,7	104	60191998	MCE30/C	0,75	1	1,8	106,6
CM-GE 100- 865	100	100	550	60191987 *	MCE22/C	2,2	3	20,7	123	60191999	MCE30/C	2,2	3	5,9	126 n
CM-GE 100-1020	100	100	550							60191988 *	MCE30/C	3	4	6,8	118
CM-GE 100-1320	100	100	550							60191989 *	MCE30/C	4	5,5	8,2	150
CM-GE 100-1650	100	100	550							60191990 *	MCE55/C	5,5	7,5	10,6	172
CM-GE 100-2050	100	100	670							60167284	MCE110/C	7,5	10	14,4	252
CM-GE 100-2550	100	100	670							60167285 *	MCE110/C	11	15	22,4	255
CM-GE 100-3290	100	100	670							60167286 *	MCE150/C	15	20	30,5	350
CM-GE 125-1075	125	125	620							60191991 *	MCE55/C	4	5,5	8,2	207
CM-GE 125-1270	125	125	620							60191992 *	MCE55/C	5,5	7,5	10,6	209
CM-GE 125-1560	125	125	620							60167287 *	MCE110/C	7,5	10	14,4	228
CM-GE 125-2100	125	125	800							60167288	MCE110/C	11	15	22,4	307
CM-GE 125-2550	125	125	800							60167289 *	MCE150/C	15	20	30,5	363
CM-GE 150- 955	150	150	800							60191993	MCE55/C	5,5	7,5	10,6	274
CM-GE 150-1322	150	150	800							60167290	MCE110/C	7,5	10	14,4	294
CM-GE 150-1600	150	150	800							60167291 *	MCE110/C	11	15	22,4	306
CM-GE 150-1950	150	150	800							60167292 *	MCE150/C	15	20	30,5	356

* Available with proportional differential pressure regulation ΔP-v.

CME, CM-GE / DCME, DCM-GE - MCE-C - 4 POLES

ELECTRONIC IN-LINE PUMPS

DCME, DCM-GE *TWIN FLANGES WITH INVERTER MCE-C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
DCME 40-620	40	40	340	60142830	MCE11/C	0,25	0,33	4,7	45						
DCME 50-460	50	50	365	60142831 *	MCE11/C	0,25	0,35	4,7	50						
DCME 50-880	50	50	410	60142832 *	MCE11/C	0,5	0,67	7,2	56						
DCM-GE 65- 660	65	65	360	60206465 *	MCE11/C	0,55	0,75	7,3	141						
DCM-GE 65- 920	65	65	360	60192000 *	MCE11/C	0,75	1	9,8	144	60192020 *	MCE30/C	0,75	1	1,8	146
DCM-GE 65-1200	65	65	475	60192002 *	MCE11/C	1,5	2	15,4	193	60192025 *	MCE30/C	1,5	2	3,6	195
DCM-GE 65-1680	65	65	475							60192003 *	MCE30/C	3	4	6,8	206
DCM-GE 65-2380	65	65	475							60192004 *	MCE55/C	4	5,5	8,2	233
DCM-GE 80- 650	80	80	360	60192005 *	MCE11/C	0,75	1	9,8	134	60192021 *	MCE30/C	0,75	1	1,8	136
DCM-GE 80- 890	80	80	440	60192006 *	MCE11/C	1,5	2	13,9	211	60192022 *	MCE30/C	1,5	2	3,6	213
DCM-GE 80-1530	80	80	500							60192007 *	MCE30/C	3	4	6,8	251
DCM-GE 80-1700	80	80	500							60192008 *	MCE55/C	4	5,5	10,3	277
DCM-GE 80-2410	80	80	620							60192009 *	MCE55/C	5,5	7,5	10,6	442
DCM-GE 80-2700	80	80	620							60167293	MCE110/C	7,5	10	14,4	499
DCM-GE 80-3420	80	80	620							60167294 *	MCE110/C	11	15	22,4	533
DCM-GE 100- 510	100	100	500	60192012 *	MCE11/C	0,75	1	9,7	218	60192023	MCE30/C	0,75	1	1,8	220
DCM-GE 100-865	100	100	550	60192013 *	MCE22/C	2,2	3	20,7	261	60192024 *	MCE30/C	2,2	3	5,9	263
DCM-GE 100-1020	100	100	550							60192014 *	MCE30/C	3	4	6,8	264
DCM-GE 100-1320	100	100	550							60192015 *	MCE55/C	4	5,5	8,2	308
DCM-GE 100-1650	100	100	550							60192016 *	MCE55/C	5,5	7,5	10,6	351
DCM-GE 100-2050	100	100	670							60167295 *	MCE110/C	7,5	10	14,4	558
DCM-GE 100-2550	100	100	670							60167296 *	MCE110/C	11	15	22,4	565
DCM-GE 100-3290	100	100	670							60167297 *	MCE150/C	15	20	30,5	753
DCM-GE 125-1075	125	125	620							60192017 *	MCE55/C	4	5,5	8,2	501
DCM-GE 125-1270	125	125	620							60192018 *	MCE55/C	5,5	7,5	10,6	503
DCM-GE 125-1560	125	125	620							60167298 *	MCE110/C	7,5	10	14,4	538
DCM-GE 125-2100	125	125	800							60167299	MCE110/C	11	15	22,4	768
DCM-GE 125-2550	125	125	800							60167301 *	MCE150/C	15	20	30,5	880
DCM-GE 150- 955	150	150	800							60192019	MCE55/C	5,5	7,5	10,6	658
DCM-GE 150-1322	150	150	800							60167302	MCE110/C	7,5	10	14,4	693
DCM-GE 150-1600	150	150	800							60167303 *	MCE110/C	11	15	22,4	719
DCM-GE 150-1950	150	150	800							60167304 *	MCE150/C	15	20	30,5	818

* Available with proportional differential pressure regulation ΔP-v

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

CME, CM-GE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m^3/h) (l/min)	0	1,2	2,4	3	3,6	4,5	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	250	270	330	360
	kW	HP		0	20	40	50	60	75	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4167	4500	5500	6000
CME 40- 870 M MCE11/C	0,7	1	H (m)	8,7	8,7	8,6	8,6	8,5	8,3	8,3	8,2	5																							
CME 40-1450 M MCE11/C	0,9	1,3							14,5	14,4	14,3	11,8	8																						
CME 40-1450 T MCE30/C	0,9	1,3							14,5	14,4	14,3	11,8	8																						
CME 50-1000 M MCE11/C	0,7	1						10,1	10	9,8	9,6	6,8																							
CME 50-1420 M MCE11/C	1,1	1,5									14,2	13	10	6																					
CME 50-1420 T MCE30/C	1,1	1,5									14,2	13	10	6																					
CM-GE 65- 660/A/BAQE/0.55 M MCE11/C	0,55	0,75		6,6							6,5	6,2	5,7	4,8																					
CM-GE 65- 920/A/BAQE/0.75 M MCE11/C	0,75	1		9,2							9,2	9	8,4	7,4	5,7																				
CM-GE 65- 920/A/BAQE/0.75 T MCE30/C	0,75	1		9,2							9,2	9	8,4	7,4	5,7																				
CM-GE 65-1200/A/BAQE/1.5 M MCE11/C	1,5	2		12								12	11,9	11,5	10,8	10,1	8,9																		
CM-GE 65-1200/A/BAQE/1.5 T MCE30/C	1,5	2		12								12	11,9	11,5	10,8	10,1	8,9																		
CM-GE 65-1680/A/BAQE/3 T MCE30/C	3	4		16,8								16,8	16,5	16,1	15,5	14,6	13,6	12,4	10,9																
CM-GE 65-2380/A/BAQE/4 T MCE55/C	4	5,5		23,8								24	23,8	23,4	22,7	21,6	20,4	19	17,1																
CM-GE 80- 650/A/BAQE/0.75 M MCE11/C	0,75	1		6,5								6,3	6,1	5,8	5,5	5	4,5	3,9																	
CM-GE 80- 650/A/BAQE/0.75 T MCE30/C	0,75	1		6,5								6,3	6,1	5,8	5,5	5	4,5	3,9																	
CM-GE 80- 890/A/BAQE/1.5 M MCE11/C	1,5	2		8,9									8,8	8,7	8,6	8,3	8	7,6	7,2	6,6	6														
CM-GE 80- 890/A/BAQE/1.5 T MCE30/C	1,5	2		8,9									8,8	8,7	8,6	8,3	8	7,6	7,2	6,6	6														
CM-GE 80-1530/A/BAQE/3 T MCE30/C	3	4		15,3										15,4	15,3	15	14,6	14,1	13,5	12,9	12,2	11,3													
CM-GE 80-1700/A/BAQE/4 T MCE55/C	4	5,5		17										17,2	17,2	17,1	16,8	16,5	16,2	15,7	15,1	14,3	13,6	12,6											
CM-GE 80-2410/A/BAQE/5.5 T MCE55/C	5,5	7,5		24,1										23,8	23,6	23,3	22,8	22,3	21,5	20,8	19,7	18,6	17,3												
CM-GE 80-2700/A/BAQE/7.5 T MCE110/C	7,5	10		27													26	25,5	25	24,5	23,6	22,7	21,5	20,2	19										
CM-GE 80-3420/A/BAQE/11 T MCE110/C	11	15		34,2													33,2	33	32,5	32	31,5	30,7	29,8	29	28	25	21,7								
CM-GE 100- 510/A/BAQE/0.75 M MCE11/C	0,75	1		5,1								4,9	4,8	4,7	4,7	4,4	4,2	3,8	3,4	3															
CM-GE 100- 510/A/BAQE/0.75 T MCE30/C	0,75	1		5,1								4,9	4,8	4,7	4,7	4,4	4,2	3,8	3,4	3															
CM-GE 100- 865/A/BAQE/2,2 M MCE22/C	1,5	2		8,6											8,3	8,2	8,1	7,9	7,7	7,5	7,3	7,1	6,8	6,5	6,2	5,6	4,8									
CM-GE 100- 865/A/BAQE/2,2 T MCE30/C	1,5	2		8,6											8,3	8,2	8,1	7,9	7,7	7,5	7,3	7,1	6,8	6,5	6,2	5,6	4,8									
CM-GE 100-1020/A/BAQE/3 T MCE30/C	3	4		10,2											10,2	10,1	10	9,9	9,8	9,7	9,5	9,3	9	8,8	8,6	7,9	7,2	6,7								
CM-GE 100-1320/A/BAQE/4 T MCE30/C	4	5,5		13,2													13,2	13,2	13,1	12,9	12,7	12,4	12	11,7	11,3	10,4	9,3	8,7							
CM-GE 100-1650/A/BAQE/5,5 T MCE55/C	5,5	7,5		16,5													16,6	16,5	16,4	16,2	16,1	16	15,7	15,4	15	14,3	13,3	12,7							
CM-GE 100-2050/A/BAQE/7,5 T MCE110/C	7,5	10		20,5													21	21	21	20,7	20,5	20	19,8	19,5	19	18	16,7	16							
CM-GE 100-2550/A/BAQE/11 T MCE110/C	11	15		25,5													25,5	25,5	25,5	25,1	25	25	24,6	24,2	24	23	21,5	21							
CM-GE 100-3290/A/BAQE/15 T MCE150/C	15	20		32,9															33,1	33	32,9	32,8	32,4	32	31,6	30,5	29,5	28,9	24						
CM-GE 125-1075/A/BAQE/4 T MCE55/C	4	5,5		10,8																10,1	10,1	10	9,9	9,7	9,5	9,1	8,5	8,3	7	5,4					
CM-GE 125-1270/A/BAQE/5.5 T MCE55/C	5,5	7,5		12,7																12,6	12,6	12,5	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5					
CM-GE 125-1560/A/BAQE/7.5 T MCE110/C	7,5	10		15,6																15,4	15,4	15,3	15,2	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8				
CM-GE 125-2100/A/BAQE/11 T MCE110/C	11	15		21																21,5	21,5	21,5	21,4	21,2	21	20,9	20	19,8	18	16					
CM-GE 125-2550/A/BAQE/15 T MCE150/C	15	20		25,5																25,5	25,5	25,5	25,3	25,1	25,1	25	24,5	24	22,5	20,5	17,5				
CM-GE 150- 955/A/BAQE/5.5 T MCE55/C	5,5	7,5		9,6																					9,6	9,5	9,4	9,3	8,7	7,8	6,7	5,9	5,5			
CM-GE 150-1322/A/BAQE/7.5 T MCE110/C	7,5	10		13,2																					13	12,8	12,6	12,5	11,9	11,1	10,1	8,9	8,5			
CM-GE 150-1600/A/BAQE/11 T MCE150/C	11	15		16																						15,5	15,5	15,4	14,8	14	13	11,8	11	10,5	9,2	
CM-GE 150-1950/A/BAQE/15 T MCE150/C	15	20		19,5																						19,5	19,4	19,3	19,2	18,7	17,8	16,8	16	15,5	14,1	12,5

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

DCME, DCM-GE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m³/h)	0	3	4,5	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	kW	HP	(l/min)	0	50	75	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
DCME 40-620 M MCE11/C	0,3	0,3		6,3	6,2	6,0	5,8	3,0															
DCME 50-460 M MCE11/C	0,3	0,3		4,8			4,6	3,9	2,4														
DCME 50-880 M MCE11/C	0,5	0,7		9,1			8,8	7,7	5,9														
DCM-GE 65- 660/A/BAQE/0.55 M MCE11/C	0,55	0,75		6,5			6,4	5,9	4,4	3,1													
DCM-GE 65- 920/A/BAQE/0.75 M MCE11/C	0,75	1		9,1			9,1	8,8	7,4	5,8	3,5												
DCM-GE 65- 920/A/BAQE/0.75 T MCE30/C	0,75	1		9,1			9,1	8,8	7,8	6,4	4,5												
DCM-GE 65-1200/A/BAQE/1.5M MCE11/C	1,5	2		12,0				11,9	11,6	11,0	10,0	9,0	7,6										
DCM-GE 65-1200/A/BAQE/1.5 T MCE30/C	1,5	2		12,0				11,9	11,6	11,0	10,0	9,0	7,6										
DCM-GE 65-1680/A/BAQE/3 T MCE30/C	3	4		16,8				16,7	16,3	15,7	14,9	13,7	12,4	11,0	9,3								
DCM-GE 65-2380/A/BAQE/4 T MCE30/C	4	5,5		23,8				23,9	23,5	22,8	21,8	20,3	18,6	16,8	14,5								
DCM-GE 80- 650/A/BAQE/0.75 M IE2 MCE11/C	0,75	1	H (m)	6,5				6,2	5,8	5,2	4,5	3,7	2,9	2,1									
DCM-GE 80- 650/A/BAQE/0.75 T MCE30/C	0,75	1		6,5				6,2	5,8	5,2	4,5	3,7	2,9	2,1									
DCM-GE 80- 890/A/BAQE/1.5 M MCE11/C	1,5	2		8,5						8,3	8,0	7,5	6,8	6,1	5,3	4,4	3,5						
DCM-GE 80- 890/A/BAQE/1.5 T MCE30/C	1,5	2		8,5						6,7	6,2	5,5	4,8	4,2	3,5	2,9	2,3						
DCM-GE 80-1530/A/BAQE/3T MCE30/C	3	4		14,4						14,1	13,7	13,0	12,2	11,3	10,2	9,2	8,0	6,8					
DCM-GE 80-1700/A/BAQE/4 T MCE55/C	4	5,5		16,0						15,7	15,5	15,3	14,6	14,0	13,2	12,3	11,2	10,0	8,9	7,7			
DCM-GE 80-2410/A/BAQE/5.5T MCE55/C	5,5	7,5		24,1								23,3	22,7	22,0	21,1	20,2	18,9	17,6	16,2				
DCM-GE 80-2700/A/BAQE/7.5 T MCE110/C	7,5	10		27,0								26,1	26,1	25,5	24,9	24,2	23,2	22,1	20,7	19,3	17,9		
DCM-GE 80-3420/A/BAQE/11 T MCE110/C	11	15		34,2								33,3	33,3	32,9	32,3	31,8	30,9	29,9	29,0	27,8	24,4	22,0	20,8
DCM-GE 100- 510/A/BAQE/0.75 M MCE11/C	0,75	1		4,9				4,8	4,7	4,6	4,5	4,0	3,7	3,2	2,6	2,1							
DCM-GE 100- 510/A/BAQE/0.75 T MCE30/C	0,75	1		4,9				4,8	4,7	4,6	4,5	4,0	3,7	3,2	2,6	2,1							

MODEL	P2 NOMINAL		Q (m³/h)	0	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	250	270	330	360
	kW	HP	(l/min)	0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4167	4500	5500	6000
DCM-GE 100- 865/A/BAQE/1,5 M MCE22/C	1,5	2		8,6	8,4	8,3	8,1	7,9	7,6	7,4	7,1	6,8	6,4	6	5,6	4,7	3,5									
DCM-GE 100- 865/A/BAQE/1,5 T MCE30/C	1,5	2		8,6	8,4	8,3	8,1	7,9	7,6	7,4	7,1	6,8	6,4	6	5,6	4,7	3,5									
DCM-GE 100-1020/A/BAQE/3 T MCE30/C	3	4		10,2	10,2	10,0	9,8	9,6	9,5	9,3	8,9	8,5	8,0	7,5	7,1	5,9	4,7	4,0								
DCM-GE 100-1320/A/BAQE/4 T MCE55/C	4	5,5		13,2			13,2	13,1	13,0	12,8	12,4	11,9	11,3	10,8	10,2	8,8	7,4	6,6									
DCM-GE 100-1650/A/BAQE/5,5T MCE55/C	5,5	7,5		16,5			16,5	16,4	16,3	16,0	15,8	15,5	14,9	14,4	13,7	12,4	10,8	10,0									
DCM-GE 100-2050/A/BAQE/7,5 T MCE110/C	7,5	10		19,3					19,2	18,8	18,5	17,9	17,6	17,2	16,6	15,5	14,1	13,3									
DCM-GE 100-2550/A/BAQE/11 T MCE110/C	11	15		24,0					23,3	22,8	22,6	22,4	21,9	21,4	21,0	19,8	18,1	17,5									
DCM-GE 100-3290/A/BAQE/15 T MCE150/C	15	20		30,9					30,5	30,3	30,1	29,9	29,4	28,8	28,3	27,0	25,8	25,1	20,0								
DCM-GE 125-1075/A/BAQE/4 T MCE55/C	4	5,5	H (m)	10,0						9,5	9,4	9,2	9,0	8,7	8,4	7,7	6,8	6,5	4,4	2,4							
DCM-GE 125-1270/A/BAQE/5.5 T MCE55/C	5,5	7,5		11,7						11,8	11,7	11,5	11,4	11,1	10,8	10,2	9,2	8,9	6,4	3,8							
DCM-GE 125-1560/A/BAQE/7.5 T MCE110/C	7,5	10		14,4						14,6	14,6	14,4	14,2	14,0	13,8	13,2	12,7	12,3	10,2	7,5	4,9						
DCM-GE 125-2100/A/BAQE/11 T MCE110/C	11	15		20,1										19,9	19,6	19,3	18,2	17,8	15,4	12,7							
DCM-GE 125-2550/A/BAQE/15 T MCE150/C	15	20		24,5										23,8	23,7	23,4	22,7	22,1	20,0	17,4	13,9						
DCM-GE 150- 955/A/BAQE/5.5 T IE2 MCE55/C	5,5	7,5		9,6														8,1	7,0	6,2	4,9	3,5	2,8				
DCM-GE 150-1322/A/BAQE/7.5T MCE110/C	7,5	10		11,8											11,5	11,5	11,4	11,0	10,0	8,5	7,2	6,0	5,5				
DCM-GE 150-1600/A/BAQE/11 T IE2 MCE110/C	11	15		14,8												14,2	14,2	14,0	13,4	12,5	11,4	10,1	9,4	8,8			
DCM-GE 150-1950/A/BAQE/15 T MCE150/C	15	20		18,1												17,9	17,8	17,7	17,5	16,9	15,9	14,8	14,0	13,5	10,5	8,9

CPE, CP-GE / DCPE, DCP-GE - MCE-C - 2 POLES

ELECTRONIC IN-LINE PUMPS

Circulation pumps with in-line ports, suitable for installation in heating and air conditioning, refrigeration and domestic hot water systems.
Extremely versatile thanks to the use of the **MCE-C** inverter, they offer performance capable of adapting automatically to the system's various demands while keeping pressure differentials unchanged.
Available in single and twin version.
PN 16 flanged inlet and delivery mouths, fitted with threaded holes for pressure gauges.
Pump body and support in cast iron, impeller in cast iron or tech-nopolymer depending on model (in bronze, on request, only from DN 65 to DN 150).
Stainless steel drive shaft.
Sealing device: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O-rings in EPDM.
2 pole three-phase indication motor with external cooling.
Rotor running on ball bearings, oversized to ensure low noise and durability.
Constructed following the CEI 2-3 standards.

Operating range from 1.2 to 230 m³/h with head up to 56 meters.

Liquid temperature range
from -10°C to +130°C for DN 40 - 50.
from -10°C to +140°C for rest of the range.

Liquid quality requirements clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Installation Fixed, horizontal or vertical provided the motor is always above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure 16 bar.

Protection rating IP 55.

Insulation Class F.

Flanging PN 16.

Counter-flanges on request DN 40, DN 50, DN 65, DN 80, DN 100, DN 125, DN 150; PN 16.

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CPE, CP-GE *SINGLE FLANGES WITH INVERTER MCE-C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE.	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
CPE 40/2300	40	40	390							60201948	MCE30/C	1,65	2,2	3,07	49
CPE 40/3500	40	40	390	60201953 *	MCE22/C	3,01	4	21,2	52	60201954 *	MCE30/C	3,02	4	6,3	52
CPE 40/4700	40	40	380							60142731	MCE55/C	4,0	5,5	5,5	58
CPE 40/5500	40	40	380							60142791 *	MCE55/C	5,5	7,5	10,6	63
CPE 40/6200	40	40	380							60142792 *	MCE110/C	7,5	10,0	14,4	64
CPE 50/4100	50	50	425							60192029 *	MCE30/C	4,0	5,5	7,8	62
CPE 50/4600	50	50	400							60142511	MCE55/C	5,5	7,5	10,6	64
CPE 50/5650	50	50	400							60142795 *	MCE110/C	7,5	10,0	14,4	72
CP-GE 65-1470	65	65	360	60192030 *	MCE11/C	1,5	2	14,5	67	60192041 *	MCE30/C	1,5	2	3	69,6
CP-GE 65-2280	65	65	360							60192031 *	MCE30/C	3	4	5,6	88
CP-GE 65-2640	65	65	360							60192032 *	MCE30/C	4	5,5	8,2	95
CP-GE 65-3400	65	65	360							60191938 *	MCE55/C	5,5	7,5	10,2	128
CP-GE 65-4100	65	65	360							60167307 *	MCE110/C	7,5	10	14,4	131
CP-GE 65-4700	65	65	475							60167308 *	MCE110/C	11	15	19,9	209
CP-GE 65-5500	65	65	475							60167309 *	MCE150/C	15	20	26,8	227
CP-GE 80-1400	80	80	360	60192033 *	MCE15/C	2,2	3	20,7	86	60192042 *	MCE30/C	2,2	3	4,6	88,6
CP-GE 80-2050	80	80	360							60192034 *	MCE55/C	4	5,5	8,2	99
CP-GE 80-2400	80	80	360							60192035 *	MCE55/C	5,5	7,5	10,2	133
CP-GE 80-2770	80	80	440							60167310 *	MCE110/C	7,5	10	14,4	88
CP-GE 80-3250	80	80	440							60167311	MCE110/C	11	15	19,9	98
CP-GE 80-4000	80	80	440							60167313	MCE150/C	15	20	26,8	103
CP-GE 100-1600	100	100	500							60192036 *	MCE55/C	4	5,5	8,2	86
CP-GE 100-1950	100	100	500							60192037	MCE55/C	5,5	7,5	10,2	92
CP-GE 100-2350	100	100	500							60167315 *	MCE110/C	7,5	10	14,4	110
CP-GE 100-2400	100	100	550							60167316	MCE110/C	11	15	19,9	120
CP-GE 100-3050	100	100	550							60167317 *	MCE150/C	15	20	26,8	159

* Available with proportional differential pressure regulation ΔP-v

CPE, CP-GE / DCPE, DCP-GE - MCE-C - 2 POLES

ELECTRONIC IN-LINE PUMPS

DCPE, DCP-GE *TWIN FLANGES WITH INVERTER MCE-C*

MODEL	FLANGE DIMENS. (mm)		CENTRE DISTANCE.	VOLTAGE 50/60 Hz - 1x220-240 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (KG)
DCPE 40/1650	40	40	340	60142842	MCE11/C	0,75	1	9,0	54						
DCPE 40/2450	40	40	340	60142279 *	MCE15/C	1,5	2,0	15,8	58	60147384 *	MCE30/C	1,5	2,0	3,4	58
DCPE 50/1550	50	50	365	60142843	MCE15/C	1,5	2,0	15,8	60	60147385 *	MCE30/C	1,5	2,0	3,4	60
DCPE 50/2450	50	50	365							60142844 *	MCE30/C	3,0	4,0	5,9	75
DCPE 50/3650	50	50	410							60142845 *	MCE55/C	4,0	5,5	7,8	95
DCP-GE 65-1470	65	65	360	60192043 *	MCE11/C	1,5	2	14,5	148	60192056 *	MCE30/C	1,5	2	3	150
DCP-GE 65-2280	65	65	360							60192044 *	MCE30/C	3	4	5,6	193
DCP-GE 65-2640	65	65	360							60192045 *	MCE55/C	4	5,5	8,2	206
DCP-GE 65-3400	65	65	360							60192055 *	MCE55/C	5,5	7,7	10,2	272
DCP-GE 65-4100	65	65	360							60167318 *	MCE110/C	7,5	10	14,4	284
DCP-GE 65-4700	65	65	475							60167319 *	MCE110/C	11	15	19,9	423
DCP-GE 65-5500	65	65	475							60167320 *	MCE150/C	15	20	26,8	459
DCP-GE 80-1400	80	80	360	60192049 *	MCE22/C	2,2	3	20,7	177	60192057 *	MCE30/C	2,2	3	4,6	179
DCP-GE 80-2050	80	80	360							60192050 *	MCE55/C	4	5,5	8,2	195
DCP-GE 80-2400	80	80	360							60192051 *	MCE55/C	5,5	7,5	10,2	264
DCP-GE 80-2770	80	80	440							60167321 *	MCE55/C	7,5	10	14,4	186
DCP-GE 80-3250	80	80	440							60167322	MCE110/C	11	15	19,9	204
DCP-GE 80-4000	80	80	440							60167323 *	MCE150/C	15	20	26,8	214
DCP-GE 100-1600	100	100	500							60192052	MCE55/C	4	5,5	8,2	183
DCP-GE 100-1950	100	100	500							60192053	MCE55/C	5,5	7,5	10,2	197
DCP-GE 100-2350	100	100	500							60167324 *	MCE110/C	7,5	10	14,4	230
DCP-GE 100-2400	100	100	550							60167325	MCE110/C	11	15	19,9	273
DCP-GE 100-3050	100	100	550							60167326 *	MCE150/C	15	20	26,8	352

* Available with proportional differential pressure regulation ΔP-v

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

CPE, CP-GE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q (m^3/h) (l/min)	0	3,6	4,8	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
	kW	HP		0	60	80	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
CPE 40/2300 M MCE11/C	1,1	1,5		21,8	21,8	21,3	21	18																			
CPE 40/2300 T MCE30/C	1,1	1,5		21,8	21,8	21,3	21	18																			
CPE 40/3500 M MCE22/C	2,2	3		34,8	34,9	34,7	34,2	31,7																			
CPE 40/3500 T MCE30/C	2,2	3		34,8	34,9	34,7	34,2	31,7																			
CPE 40/4700 T MCE55/C	4	5,5					47	44	39,5	35																	
CPE 40/5500 T MCE55/C	5,5	7,5					55	53	48	42																	
CPE 40/6200 T MCE110/C	7,5	10					62	59	54	49																	
CPE 50/2600 M MCE15/C	1,5	2					25	22	16																		
CPE 50/2600 T MCE30/C	1,5	2					25	22	16																		
CPE 50/4100 T MCE30/C	4	5,5					40,7	38,5	34,5	27,7																	
CPE 50/4600 T MCE55/C	5,5	7,5							44	41,5	37	31															
CPE 50/5650 T MCE110/C	7,5	10							55,5	53	49	44															
CP-GE 65-1470/A/BAQE/1.5 M MCE11/C	1,5	2		14,7			14,5	14,3	13,8	13	11,8	10,5	8,6	7													
CP-GE 65-1470/A/BAQE/1.5 T MCE30/C	1,5	2		14,7			14,5	14,3	13,8	13	11,8	10,5	8,6	7													
CP-GE 65-2280/A/BAQE/3 T MCE30/C	3	4		22,8			22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5												
CP-GE 65-2640/A/BAQE/4 T MCE30/C	4	5,5	H* (m)	26,4			26,2	26	25,6	25	24	23	21,5	19,5	17,5	15											
CP-GE 65-3400/A/BAQE/5.5 T MCE55/C	5,5	7,5		34					34	33,5	32,5	31	29,5	27	24												
CP-GE 65-4100/A/BAQE/7.5 T MCE110/C	7,5	10		41					41	41	40	39	37,5	35,5	33	30	26,5										
CP-GE 65-4700/A/BAQE/11 T MCE110/C	11	15		47							45,5	45	44,3	43,3	42	40,8	39	37	35	32,3							
CP-GE 65-5500/A/BAQE/15 T MCE150/C	15	20		55							56	55,5	54	53,5	52	51	49	47,5	45,5	43	41						
CP-GE 80-1400/A/BAQE/2.2 M MCE15/C	2,2	3		14						13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5							
CP-GE 80-1400/A/BAQE/2.2 T MCE30/C	2,2	3		14						13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5							
CP-GE 80-2050/A/BAQE/4 T MCE55/C	4	5,5		20,5						20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5						
CP-GE 80-2400/A/BAQE/5.5 T MCE55/C	5,5	7,5		24						23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4					
CP-GE 80-2770/A/BAQE/7.5 T MCE110/C	7,5	10		27,7										27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1			
CP-GE 80-3250/A/BAQE/11 T MCE110/C	11	15		32,5										32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6			
CP-GE 80-4000/A/BAQE/15 T MCE150/C	15	20		40										40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9		
CP-GE 100-1600/A/BAQE/4 T MCE55/C	4	5,5		16								15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10,4	9,3	8				
CP-GE 100-1950/A/BAQE/5.5 T MCE55/C	5,5	7,5		19,5								19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12			
CP-GE 100-2350/A/BAQE/7.5 T MCE110/C	7,5	10		23,5								23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12		
CP-GE 100-2400/A/BAQE/11 T MCE110/C	11	15		24																	22	21,4	20,4	20	17,4	16,8	12
CP-GE 100-3050/A/BAQE/15 T MCE150/C	15	20		30,5																	29	28,4	27,5	27	24,5	21,3	18,3

ELECTRONIC IN-LINE PUMPS

PERFORMANCE RANGE

DCPE, DCP-GE - HEATING, AIR CONDITIONING, SOLAR PANEL AND HOT WATER SYSTEM

MODEL	P2 NOMINAL		Q= m³h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	42	48	54	60	180	210
	kW	HP	Q= l/min	100	125	150	175	200	225	250	300	350	400	450	500	600	700	800	900	1000	3000	3500
DCPE 40/1650 M MCE11/C IE2	0,8	1		16,5	15,5	14,5	13,5	12,3	11	9,5	6											
DCPE 40/2450 M MCE15/C IE2	1,5	2		24,5	24	23,5	23	22	21	20	16,5	13										
DCPE 40/2450 T MCE30/C IE2	1,5	2		24,5	24	23,5	23	22	21	20	16,5	13										
DCPE 50/1550 M MCE15/C IE2	1,5	2	H (m)							15,5	15	14,1	13	11,8	10,5	7						
DCPE 50/1550 T MCE30/C IE2	1,5	2								15,5	15	14,1	13	11,8	10,5	7						
DCPE 50/2450 T MCE30/C IE2	3	4								24,5	24	23,5	23	22	20,5	17						
DCPE 50/3650 T MCE55/C IE2	4	5,5								36,5	35,5	34,5	33,5	32,5	31	27						

MODEL	P2 NOMINAL		Q= m³h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
	kW	HP	Q= l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
DCP-GE 65-1470/A/BAQE/1.5M MCE11/C	1,5	2		14,4	14,2	13,8	13,1	12,0	10,6	9,0	7,0	5,3													
DCP-GE 65-1470/A/BAQE/1.5 T MCE30/C	1,5	2		14,4	14,2	13,8	13,1	12,0	10,6	9,0	7,0	5,3													
DCP-GE 65-2280/A/BAQE/3 T MCE30/C	3	4		22,3			21,1	19,9	18,4	16,8	14,7	12,5	10,2												
DCP-GE 65-2640/A/BAQE/4 T MCE55/C	4	5,5		25,9			24,6	23,7	22,2	20,7	18,8	16,4	14,0	11,4											
DCP-GE 65-3400/A/BAQE/5.5 T MCE55/C	5,5	7,7		33,3			32,5	31,4	29,7	27,4	25,0	21,7	18,2												
DCP-GE 65-4100/A/BAQE/7.5T MCE110/C	7,5	10		40,2			39,6	39,0	37,4	35,7	33,4	30,7	27,5	23,9	20,1										
DCP-GE 65-4700/A/BAQE/11 T MCE110/C	11	15		46,4					44,3	43,6	42,6	41,3	39,6	38,1	35,9	33,6	31,3								
DCP-GE 65-5500/A/BAQE/15 T MCE150/C	15	20		54,3					54,7	53,9	52,1	51,2	49,4	48,0	45,6	43,7	41,3	38,4	36,1						
DCP-GE 80-1400/A/BAQE/2.2 M MCE30/C	2,2	3		13,7				14,3	13,7	13,0	12,3	11,4	10,3	9,1	7,8	6,5	5,2	4,0							
DCP-GE 80-1400/A/BAQE/2.2 T MCE30/C	2,2	3	H (m)	13,7				14,3	13,7	13,0	12,3	11,4	10,3	9,1	7,8	6,5	5,2	4,0							
DCP-GE 80-2050/A/BAQE/4T MCE55/C	4	5,5		20,1				20,8	20,1	19,5	18,4	17,4	16,2	14,6	13,1	11,3	9,7	7,7	6,1						
DCP-GE 80-2400/A/BAQE/5.5 T MCE55/C	5,5	7,5		23,5				24,5	24,4	23,9	23,1	22,1	20,8	19,6	17,9	16,3	14,8	13,0	11,2	7,1					
DCP-GE 80-2770/A/BAQE/7.5 T MCE55/C	7,5	10		27,1								26,6	26,0	25,3	24,3	22,8	21,9	20,5	19,3	16,2	13,0	11,3			
DCP-GE 80-3250/A/BAQE/11 T MCE110/C	11	15		31,9								31,2	30,5	29,7	28,5	26,7	25,6	24,0	22,6	19,1	15,2	13,2			
DCP-GE 80-4000/A/BAQE/15 T MCE150/C	15	20		39,2								39,7	39,1	38,5	37,7	36,7	35,6	34,6	33,2	30,1	26,9	25,1	15,1		
DCP-GE 100-1600/A/BAQE/4 T MCE55/C	4	5,5		16,0						15,8	15,2	14,5	13,6	12,8	11,8	10,8	9,6	8,4	7,3	5,1	3,0				
DCP-GE 100-1950/A/BAQE/5.5 T MCE55/C	5,5	7,5		19,5						20,1	19,8	19,2	18,5	17,7	16,5	15,5	14,5	13,3	11,8	9,0	6,0	4,5			
DCP-GE100-2350/A/BAQE/7.5 T MCE110/C	7,5	10		23,5						24,5	24,4	24,0	23,6	23,1	22,2	21,4	20,4	19,4	18,3	15,7	12,9	11,7	4,5		
DCP-GE 100-2400/A/BAQE/11 T MCE110/C	11	15		23,6															21,9	21,0	19,7	19,1	15,5	13,4	8,2
DCP-GE 100-3050/A/BAQE/15 T MCE150/C	15	20		30,0															28,9	27,9	26,5	25,8	21,8	17,0	12,5

ALM, ALP

IN-LINE PUMPS

NEW

Circulation pumps with in-line outlets, suitable for civil and industrial heating, conditioning and domestic hot water systems. Technopolymer impeller. Asynchronous motor, two poles for the **ALP** series and four poles for the **ALM** series. Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version. To protect the three-phase motor, the use of a remote motor protector in accordance with current regulations is recommended. **Bronze pump body and motor support.**

New AISI 316 motor shaft and new carbon/ceramic mechanical seal for greater reliability.

Operating range from 0,6 to 6,5 m³/h with head up to 7,7 metres.

Liquid temperature range from +15°C to +120°C.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral, close to the characteristics of water.

Maximum ambient temperature +40°C.

Maximum working pressure 10 bar (1000 kPa).

Protection level IP55.

Insulation class F.

THREE-PHASE MOTORS	P2		
		<0,75 kW	IE2
		≥0,75 kW <75 kW	IE3
		≥75 kW	IE4*

SINGLE-PHASE MOTORS	P2		
		≥120 W	IE2

* Available soon

ACCESSORIES PAGE 109

MODEL	CODE	CENTRE DISTANCE	PUMP COUPLINGS	ELECTRICAL DATA				HYDRAULIC DATA							WEIGHT KG	Q.TY X PALLET
				VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³h	0	1,2	2,4	3,6	4,8	6		
					kW	HP		Q=l/min	0	20	40	60	80	100		
ALM 200 M	60214693	180	1 ½"	1x220-240 V ~	0,059	0,08	0,7	H (m)	1,9	1,65	1				7,5	39
ALM 200 T	60214694	180	1 ½"	3x230-400V~	0,059	0,08	0,53 - 0,3		1,9	1,65	1				7,5	39
ALP 800 M	60214695	180	1 ½"	1x220-240 V ~	0,103	0,13	1,4		7,7	7,2	6,3	5,8	3,9	2	7,5	39
ALP 800 T	60214701	180	1 ½"	3x230-400V~	0,14	0,19	1,7 - 0,9		7,7	7,2	6,3	5,8	3,9	2	7,5	39

ALM, ALP

IN-LINE PUMPS

NEW

Circulation pumps with in-line outlets, suitable for civil and industrial heating, conditioning and domestic hot water systems. Technopolymer impeller. Asynchronous motor, two poles for the **ALP** series and four poles for the **ALM** series. Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version. To protect the three-phase motor, the use of a remote motor protector in accordance with current regulations is recommended. **Cast iron pump body and motor support.**

New AISI 316 motor shaft and new carbon/ceramic mechanical seal for greater reliability.

Operating range from 1,5 to 8,4 m³/h with head up to 21 metres.

Liquid temperature range from +15°C to +120°C.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral, close to the characteristics of water.

Maximum ambient temperature + 40°C

Maximum working pressure 10 bar (1000 kPa).

Protection level IP 55

Insulation class F

THREE-PHASE MOTORS	P2		
		<0,75 kW	IE2
		≥0,75 kW <75 kW	IE3
		≥75 kW	IE4*

SINGLE-PHASE MOTORS	P2		
		≥120 W	IE2

ONLY FOR EXTRA EU MARKETS

* Available soon

ACCESSORIES PAGE 109

ALM 500, ALP 2000

ALM - 1400 r.p.m. 1/min - 4 poles
ALP - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	CENTRE DISTANCE	PUMP COUPLINGS	ELECTRICAL DATA					HYDRAULIC DATA									WEIGHT KG	Q.TY X PALLET
				VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	1,2	2,4	3,6	4,8	6	7,2	8,4		
						kW	HP		Q=l/min	0	20	40	60	80	100	120	140		
ALM 500 M	60214696	250	2" G-M	1x220-240 V ~	0,22	0,097	0,13	0,93	H (m)	5,5	5,4	5,3	4,8	4,1	3	1,5		14,5	21
ALM 500 T	60214697	250	2" G-M	3x230-400V~	0,19	0,25	0,33	1-0,6		5,5	5,4	5,3	4,8	4,1	3	1,5		14,5	21
ALP 2000 M	60212472	250	2" G-M	1x230 V	0,75	0,75	1	3,7		21,1	20,6	19,6	18	16	13,8	10,5	5,3	14,5	21
ALP 2000 M	60214702	250	2" G-M	1x220-240 V ~	0,87	0,55	0,75	3,7		21,1	20,6	19,6	18	16	13,8	10,5	5,3	14,5	21
ALP 2000 T	60214699	250	2" G-M	3x230-400V~	0,74	0,53	0,71	2,3-1,3		21,1	20,6	19,6	18	16	13,8	10,5	5,3	14,5	21

KLM, KLP / DKLM, DKLP

IN-LINE PUMPS

NEW

In-line pumps designed for conditioning, heating, water recirculation in the case of solar thermal panels (solar collectors) and for the circulation of drinkable hot water in residential building service and commercial building service.
Pump body and motor support in cast iron, technopolymer impeller.
Pump marked KLM and KLP are single unit pumps,
Pumps marked DKLM and DKLP are twin pumps. The KLM versions have a four-pole motor, the KLP have a two-pole motors.

New AISI 316 shaft and new carbon/ceramic mechanical seal for greater reliability.

Operating range from 2 to 67 m³/h with head up to 13.7 metres.

Liquid temperature range from -15°C to +120°C.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure 10 bar (1000 kPa).

Protection level IP 55.

Insulation class F.

Standard flanging PN 10/PN 6.

Counter flanges either threaded or with welded collar as requested.

THREE-PHASE MOTORS			
P2	< 0,75 kW		IE2
	≥ 0,75 kW < 75 kW		IE3
	≥ 75 kW		IE4*

SINGLE-PHASE MOTORS			
P2	≥ 120 W		IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

ACCESSORIES PAGE 109

KLM, KLP *SINGLE FLANGES*

KLM - 1400 r.p.m. 1/min - 4 poles
KLP - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																					WEIGHT KG	Q.TY X PAL.
				VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	2,4	3,6	4,8	6	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84		
									Q=l/min	0	40	60	80	100	140	160	200	240	280	300	400	500	600	800	1000	1200	1400		
KLM 40-300 M	60214754	250	DN 40	1x220-240V~	0,2	0,1	0,14	1,12		4,1	3,7	3,5	3,1	1,5															21,1	12
KLM 40-300 T	60214753	250	DN 40	3x230-400V~	0,16	0,1	0,14	1,04-0,6		4,1	3,7	3,5	3,1	1,5															20,1	12
KLP 40-600 M	60212461	250	DN 40	1x230 V	0,5	0,75	1	2,5		8,3	8	7,9	7,7	6,6	5,4	3,8	2												22,5	12
KLP 40-600 M	60214724	250	DN 40	1x220-240V~	0,6	0,3	0,41	3,29		8,3	8	7,9	7,7	6,6	5,4	3,8	2												22,5	12
KLP 40-600 T	60214723	250	DN 40	3x230-400V~	0,49	0,3	0,41	2,13-1,23		8,3	8	7,9	7,7	6,6	5,4	3,8	2												22,5	12
KLP 40-900 M	60212460	250	DN 40	1x230 V	0,6	0,75	1	2,9		10,6	10,4	10,3	10	8,8	7,6	6	4,4	3,4											22,5	12
KLP 40-900 M	60214726	250	DN 40	1x220-240V~	0,73	0,41	0,56	3,75		10,6	10,4	10,3	10	8,8	7,6	6	4,4	3,4											22,5	12
KLP 40-900 T	60214725	250	DN 40	3x230-400V~	0,63	0,41	0,56	2,37-1,37		10,6	10,4	10,3	10	8,8	7,6	6	4,4	3,4											22,5	12
KLP 40-1200 M	60212459	250	DN 40	1x230 V	0,79	0,75	1	3,6		13,9	13,2	13	12,6	11,3	9,9	8,2	6,2	5											23,2	12
KLP 40-1200 M	60214728	250	DN 40	1x220-240V~	0,91	0,54	0,73	4,4		13,9	13,2	13	12,6	11,3	9,9	8,2	6,2	5											23,2	12
KLP 40-1200 T	60214727	250	DN 40	3x230-400V~	0,82	0,54	0,73	2,70-1,56		13,9	13,2	13	12,6	11,3	9,9	8,2	6,2	5											23,2	12
KLP 40-1600 M	60212451	250	DN 40	1x230 V	0,91	0,75	1	4,1	H (m)	16,5	15,9	15,6	15,3	14	12,9	11,3	9,3	8											23,5	12
KLP 40-1600 M	60214729	250	DN 40	1x220-240V~	1,05	0,75	1,01	4,71		16,5	15,9	15,6	15,3	14	12,9	11,3	9,3	8											23,5	12
KLP 40-1600 T	60214730	250	DN 40	3x230-400V~	0,96	0,75	1,01	3,44-1,91		16,5	15,9	15,6	15,3	14	12,9	11,3	9,3	8											23,5	12
KLP 40-1800 M	60212441	250	DN 40	1x230 V	1	0,75	1	4,4		18,9	18,2	17,8	17,5	16	14,7	13	11	9,9	2,7										24,5	12
KLP 40-1800 M	60214731	250	DN 40	1x220-240V~	1,18	0,85	1,16	5,44		18,9	18,2	17,8	17,5	16	14,7	13	11	9,9	2,7										24,5	12
KLP 40-1800 T	60214732	250	DN 40	3x230-400V~	1,09	0,85	1,15	3,29-1,88		18,9	18,2	17,8	17,5	16	14,7	13	11	9,9	2,7										24,5	12
KLM 50-300 M	60214756	280	DN 50	1x220-240V~	0,21	0,11	0,15	1,1		3	2,9	2,9	2,8	2,3	1,8	1,2	0,5												24,2	12
KLM 50-300 T	60214755	280	DN 50	3x230-400V~	0,17	0,11	0,15	1,02-0,59		3	2,9	2,9	2,8	2,3	1,8	1,2	0,5												24,2	12
KLM 50-600 M	60213088	280	DN 50	1x220-240V~	0,28	0,22	0,3	1,55		5,8	5,7	5,6	5,5	5	4,5	4	3,2	2,8											24,6	12
KLM 50-600 T	60214757	280	DN 50	3x230-400V~	0,34	0,22	0,3	1,28-0,74		5,8	5,7	5,6	5,5	5	4,5	4	3,2	2,8											24,6	12
KLP 50-900 M	60212507	280	DN 50	1x230 V	0,75	0,75	1	3,4		9,3	9,3	9,2	9	8,5	8	7,5	6,8	6,3	3,8										26,5	12

KLM, KLP / DKLM, DKLP

IN-LINE PUMPS

KLM, KLP *SINGLE FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																						WEIGHT KG	Q.TY X PAL.
				VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	2,4	3,6	4,8	6	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72	84					
									Q=l/min	0	40	60	80	100	140	160	200	240	280	300	400	500	600	800	1000	1200	1400					
KLP 50-900 M	60214734	280	DN 50	1x220-240V~	0,8	0,51	0,69	4,02		9,3	9,3	9,2	9	8,5	8	7,5	6,8	6,3	3,8												26,5	12
KLP 50-900 T	60214733	280	DN 50	3x230-400V~	0,67	0,51	0,69	3,39-1,96		9,3	9,3	9,2	9	8,5	8	7,5	6,8	6,3	3,8												26,5	12
KLP 50-1200 M	60212508	280	DN 50	1x230 V	0,99	0,75	1	4,3		12,2	12,2	12,1	12	11,5	11	10,3	9,5	9,1	6,6	3,8											26,6	12
KLP 50-1200 M	60214740	280	DN 50	1x220-240V~	1,04	0,72	0,98	4,93		12,2	12,2	12,1	12	11,5	11	10,3	9,5	9,1	6,6	3,8											26,6	12
KLP 50-1200 T	60214739	280	DN 50	3x230-400V~	0,92	0,72	0,97	3,72-2,15		12,2	12,2	12,1	12	11,5	11	10,3	9,5	9,1	6,6	3,8											26,6	12
KLP 50-1600 M	60211870	280	DN 50	1x230 V	1,53	1,4	1,9	6,9		16,2	15,9	15,8	15,6	15,1	14,6	13,9	13	12,6	10	7,1	3,9										26,7	4
KLP 50-1600 M	60211870	280	DN 50	1x220-240V~	1,56	1,01	1,37	7,15		16,2	15,9	15,8	15,6	15,1	14,6	13,9	13	12,6	10	7,1	3,9										26,7	4
KLP 50-1600 T	60214742	280	DN 50	3x230-400V~	1,32	1,01	1,38	4,05-2,32		16,2	15,9	15,8	15,6	15,1	14,6	13,9	13	12,6	10	7,1	3,9										26,7	12
KLP 50-2000 M	60211905	280	DN 50	1x230 V	2,4	1,4	1,9	10,7		23,4	23,3	23,2	23,2	22,8	22,3	21,7	21	20,6	18,2	15,3	12										33	4
KLP 50-2000 M	60214743	280	DN 50	1x220-240V~	2,43	1,83	2,49	11,06		23,4	23,3	23,2	23,2	22,8	22,3	21,7	21	20,6	18,2	15,3	12										33	4
KLP 50-2000 T	60214744	280	DN 50	3x230-400V~	2,34	1,83	2,49	6,77-3,9		23,4	23,3	23,2	23,2	22,8	22,3	21,7	21	20,6	18,2	15,3	12										33	8
KLM 65-300 T	60214759	340	DN 65	3x230-400V~	0,22	0,15	0,2	1,07-0,62	H (m)	3,1	3	3	3	2,8	2,5	2,2	1,7	1,5											29,3	8
KLM 65-600 T	60214760	340	DN 65	3x230-400V~	0,36	0,24	0,33	1,30-0,75		5,1	5,1	5,1	5	4,8	4,5	4,2	3,8	3,6	2,1												29,5	8
KLP 65-900 T	60214748	340	DN 65	3x230-400V~	0,99	0,8	1,09	5,05-2,92		9,3	9,4	9,4	9,4	9,3	9,2	9,1	8,9	8,7	7,7	6	3,6										35	8
KLP 65-1200 T	60214745	340	DN 65	3x230-400V~	1,34	1,12	1,52	5,64-3,26		12,3	12,3	12,3	12,3	12,2	12,2	12,1	12	12	11	9,2	6,8										35,1	8
KLP 65-1600 T	60214747	340	DN 65	3x230-400V~	1,99	1,65	2,25	6,49-3,75		17,2	17,2	17,2	17,2	17,2	17,2	17,2	17	16,9	15,8	14,1	11,9	6,3									35,2	8
KLP 65-2000 T	60214596	340	DN 65	3x230-400V~	2,51	2	2,72	7,7-4,5		20,6	20,7	20,7	20,7	20,6	20,5	20,3	20	19,8	18,8	17,2	15,1	9,7									38,2	4
KLM 80-300 T	60214761	360	DN 80	3x230-400V~	0,36	0,25	0,33	1,2-0,7		3,1	3,1	3,1	3,1	3,1	3,1	3	3	3	2,5	2	1,1										32,5	8
KLM 80-600 T	60214762	360	DN 80	3x230-400V~	0,75	0,75	1	2,8-1,6		5,6	5,7	5,8	5,8	5,8	5,8	5,8	5,7	5,7	5,4	5	4,3	2,4									36,7	8
KLP 80-900 T	60214749	360	DN 80	3x230-400V~	1,4	1,84	2,5	5,2-3,51		8,8	8,8	8,8	8,8	8,7	8,7	8,7	8,6	8,6	8,4	8	7,5	6	3,6								40	8
KLP 80-1200 T	60214750	360	DN 80	3x230-400V~	2,1	1,84	2,5	6,6-4,31		11,8	11,7	11,7	11,7	11,7	11,6	11,6	11,6	11,6	11,5	11,3	11	9,8	7,4	4,2		4,2					41	8
KLP 80-1600 T	60214751	360	DN 80	3x230-400V~	3,2	2,55	3,5	10,28-5,94		16,2	16,2	16,3	16,3	16,3	16,3	16,3	16,3	16,3	16,2	16	15,5	14	11,5	8,7	5,3	8,7	5,3				42	4
KLP 80-2000 T	60214619	360	DN 80	3x230-400V~	4,72	3,67	5	14,9-8,42		20,8	20,9	21	21	21	21,1	21,1	21,1	21,1	21,1	21	20,6	19,3	17,4	14,8	11,7	14,8	11,7				48	4

DKLM, DKLP

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																						WEIGHT KG	Q.TY X PAL.
				VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72						
									Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200						
DKLM 40-300 M	60214795	250	DN 40	1x220-240V~	0,19	0,1	0,14	1,12		3,6	3,2	2,9	2,6	1																	38,2	8
DKLM 40-300 T	60214794	250	DN 40	3x230-400V~	0,14	0,1	0,14	1,04-0,6		3,6	3,2	2,9	2,6	1																	38,2	8
DKLP 40-600 M	60212503	250	DN 40	1x230 V	0,5	0,75	1	2,5		8,3	7,8	7,5	7,1	5,4	3,9	1,9															41,8	8
DKLP 40-600 M	60214763	250	DN 40	1x220-240V~	0,58	0,3	0,41	3,29		8,3	7,8	7,5	7,1	5,4	3,9	1,9															41,8	8
DKLP 40-600 T	60214764	250	DN 40	3x230-400V~	0,39	0,3	0,41	2,13-1,23		8,3	7,8	7,5	7,1	5,4	3,9	1,9															41,8	8
DKLP 40-900 M	60212504	250	DN 40	1x230 V	0,6	0,75	1	2,9	H (m)	10,6	10,2	10	9,7	8	6,4	4,5	2,5													41,8	8
DKLP 40-900 M	60214766	250	DN 40	1x220-240V~	0,54	0,41	0,56	3,75		10,6	10,2	10	9,7	8	6,4	4,5	2,5														41,8	8
DKLP 40-900 T	60214765	250	DN 40	3x230-400V~	0,45	0,41	0,56	2,37-1,37		10,6	10,2	10	9,7	8	6,4	4,5	2,5														41,8	8
DKLP 40-1200 M	60212505	250	DN 40	1x230 V	0,79	0,75	1	3,6		14,3	13,6	13,2	12,8	11,1	9,4	7,5	5,3	4,1													41,8	8
DKLP 40-1200 T	60214767	250	DN 40	3x230-400V~	0,87	0,54	0,73	2,70-1,56		14,3	13,6	13,2	12,8	11,1	9,4	7,5	5,3	4,1													41,8	8

KLM, KLP / DKLM, DKLP

IN-LINE PUMPS

DKLM, DKLP

DKLM - 1400 r.p.m. 1/min - 4 poles
DKLP - 2800 r.p.m. 1/min - 2 poles

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																						WEIGHT KG	Q.TY X PAL.
				VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	2,4	3,6	4,8	6	7,2	8,4	9,6	12	14,4	16,8	18	24	30	36	48	60	72		
									Q=l/min	0	40	60	80	100	120	140	160	200	240	280	300	400	500	600	800	1000	1200		
DKLP 40-1600 M	60212555	250	DN 40	1x230 V	0,91	0,75	1	4,1		16,5	16	15,6	15,2	13,5	11,9	9,8	7,5	6,1													45,8	8
DKLP 40-1600 T	60214770	250	DN 40	3x230-400V~	1,04	0,75	1,01	3,44-1,91		16,5	16	15,6	15,2	13,5	11,9	9,8	7,5	6,1													45,8	8
DKLP 40-1800 M	60212554	250	DN 40	1x230 V	1	0,75	1	4,4		19,1	18,2	17,8	17,3	15,4	13,6	11,5	9,1	7,7													45,8	8
DKLP 40-1800 T	60214772	250	DN 40	3x230-400V~	1,03	0,85	1,15	3,29-1,88		19,1	18,2	17,8	17,3	15,4	13,6	11,5	9,1	7,7													45,8	8
DKLM 50-300 M	60214797	280	DN 50	1x220-240V~	0,21	0,11	0,15	1,1		3	2,8	2,6	2,5	1,8	1,2	0,5															51	2
DKLM 50-300 T	60214796	280	DN 50	3x230-400V~	0,16	0,11	0,15	1,02-0,59		3	2,8	2,6	2,5	1,8	1,2	0,5															51	2
DKLM 50-600 T	60214798	280	DN 50	3x230-400V~	0,32	0,22	0,3	1,28-0,74		5,7	5,4	5,3	5,1	4,2	3,6	2,9	2	1,6													52	2
DKLP 50-900 M	60212552	280	DN 50	1x230 V	0,75	0,75	1	3,4		9,5	9,2	9	8,8	8	7,4	6,6	5,7	5,2	2,4												54	2
DKLP 50-900 T	60214773	280	DN 50	3x230-400V~	0,63	0,51	0,69	3,39-1,96		9,5	9,2	9	8,8	8	7,4	6,6	5,7	5,2	2,4												54	2
DKLP 50-1200 M	60212509	280	DN 50	1x230 V	0,99	0,75	1	4,3		12,3	11,9	11,7	11,5	10,8	10,1	9,3	8,4	7,9	5												54,2	2
DKLP 50-1200 T	60214775	280	DN 50	3x230-400V~	0,87	0,72	0,97	3,72-2,15		12,3	11,9	11,7	11,5	10,8	10,1	9,3	8,4	7,9	5												54,2	2
DKLP 50-1600 M	60211888	280	DN 50	1x230 V	1,53	1,4	1,9	6,9		16,1	16,5	15,3	15	14,1	13,3	12,4	11,4	10,8	7,6	3,6											54,5	2
DKLP 50-1600 T	60214778	280	DN 50	3x230-400V~	1,35	1,01	1,38	4,05-2,32		16,1	16,5	15,3	15	14,1	13,3	12,4	11,4	10,8	7,6	3,6											54,5	2
DKLP 50-2000 M	60211889	280	DN 50	1x230 V	2,4	1,4	1,9	10,7		23,2	22,8	22,6	22,3	21,3	20,4	19,5	18,5	17,9	14,8	11,2	7										58,5	2
DKLP 50-2000 M	60211889	280	DN 50	1x220-240V~	2,43	1,83	2,49	11,06	H (m)	23,2	22,8	22,6	22,3	21,3	20,4	19,5	18,5	17,9	14,8	11,2	7										58,5	2
DKLP 50-2000 T	60214780	280	DN 50	3x230-400V~	2,3	1,83	2,49	6,77-3,9		23,2	22,8	22,6	22,3	21,3	20,4	19,5	18,5	17,9	14,8	11,2	7										58,5	2
DKLM 65-300 T	60214788	340	DN 65	3x230-400V~	0,2	0,15	0,2	1,07-0,62		3,2	3,1	3,1	3,1	2,9	2,6	2,3	2	1,7													55	2
DKLM 65-600 T	60214789	340	DN 65	3x230-400V~	0,36	0,24	0,33	1,30-0,75		5,1	5,1	5	5	4,5	4,2	3,8	3,3	3,1	1,7												62	2
DKLP 65-900 T	60214781	340	DN 65	3x230-400V~	0,9	0,8	1,09	5,05-2,92		9,5	9,5	9,5	9,4	9,2	9,1	8,9	8,6	8,4	7,3	5,6	3,5										66	2
DKLP 65-1200 T	60214782	340	DN 65	3x230-400V~	1,2	1,12	1,52	5,64-3,26		12,4	12,3	12,2	12,1	12	11,9	11,7	11,5	11,4	10,2	8,3	6										66,2	2
DKLP 65-1600 T	60214783	340	DN 65	3x230-400V~	1,97	1,65	2,25	6,49-3,75		17	16,9	16,9	16,8	16,6	16,4	16,2	16	15,8	14,6	12,7	10,4	5,1			5,1						66,5	2
DKLP 65-2000 T	60214784	340	DN 65	3x230-400V~	2,57	2	2,72	7,7-4,5		20,4	20,1	20	20	19,8	19,7	19,4	19,1	19	17,5	15,5	13	7,8			7,8						72,5	2
DKLM 80-300 T	60214790	360	DN 80	3x230-400V~	0,36	0,25	0,33	1,2-0,7		3,5	3,4	3,4	3,4	3,2	3,1	3	2,8	2,7	2,2	1,5											62	2
DKLM 80-600 T	60214791	360	DN 80	3x230-400V~	0,75	0,75	1	2,8-1,6		5,6	5,6	5,6	5,6	5,5	5,4	5,3	5,2	5	4,6	3,9	3,1										70	2
DKLP 80-900 T	60214785	360	DN 80	3x230-400V~	1,5	1,84	2,5	5,2-3		8,9	8,8	8,7	8,7	8,5	8,3	8,2	8	7,9	7,3	6,6	5,7	3,4			3,4						78	2
DKLP 80-1200 T	60214786	360	DN 80	3x230-400V~	2,1	1,84	2,5	6,6-3,8		11,9	11,8	11,8	11,7	11,6	11,5	11,3	11,2	11,1	10,5	9,7	8,8	4,5	3,9		4,5	3,9					78	2
DKLP 80-1600 T	60214792	360	DN 80	3x230-400V~	3,3	2,55	3,5	10,28-5,94		16,3	16,2	16,1	16	15,8	15,6	15,5	15,3	15,2	14,9	14,4	13,7	11,6	8,7	5,1	11,6	8,7	5,1				81,2	2
DKLP 80-2000 T	60214793	360	DN 80	3x230-400V~	4,7	3,67	5	14,9-8,42		20,3	20,3	20,3	20,3	20,3	20,3	20,2	20,2	20,1	19,9	19,4	18,8	16,8	13,9	10,4	16,8	13,9	10,4				93,2	2

Blank counterflange supplied as standard for twin version.

CM2 / DCM2

IN-LINE PUMPS

In-line pumps designed for conditioning, heating, water recirculation in the presence of thermal solar panels (solar collectors) and for the circulation of domestic hot water in commercial building service.
Pump body, motor support and fan cover in cast iron. Impeller in cast iron or technopolymer according to the models. CM2-G is equipped with a joint.
The CM2, CM2-G indicate single pumps, the DCM2, DCM2-G twin pumps. Delivery and suction ports in line and flanged.
All models have an air-cooled four-pole asynchronous motor.

Operating range
up to 36 m³/h with head up to 50 m.
Type of pumped liquid
clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised
Glycol percentage (maximum) 50%
Liquid temperature range
from -15°C to +140°C
Maximum ambient temperature +50°C
Maximum operating pressure
16 Bar (1600 kPa)
Flanging PN10 - PN16
Motor efficiency
IE2 up to 0,55 kW; IE3 ≥ 0,75 kW
Motor protection class IP 55
Motor insulation class F
Impeller material cast iron or technopolymer
Three phase power input
3x230 V 50 Hz / 3x400 V 50 Hz
Max rpm 2910
Type of installation
Fixed in horizontal or vertical position with motor in up position. Only in vertical position for motor from 7,5 kW.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

CM2 *SINGLE FLANGES*

MODEL	CODE
CM 2 32-450 T	60209861
CM 2 32-600 T	60209862
CM 2 32-800 T	60209863
CM 2 32-1200 T	60209864

CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																		WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h	0	2	4	6	8	10	12	14	16	18	20	22	24	26	
				kW	HP	230	400	Q=l/min	0	33	67	100	133	167	200	233	267	300	333	367	400	433	
260	DN 32 PN 16 DN 32 PN 10	230-400V	0,26	0,25	0,34	1.2 A	0.7 A	H (m)	4,4	4,3	4,1	3,8	3,5	3,0	2,4	1,7	0,9						21,9
		230-400V	0,33	0,25	0,34	1.3 A	0.8 A		6,0	5,9	5,7	5,4	4,9	4,3	3,6	2,8	1,9	1,0					21,6
320		230-400V	0,51	0,37	0,50	2.0 A	1.2 A		7,9	7,7	7,5	7,1	6,6	6	5,3	4,5	3,6	2,6	1,5	0,3			27
		230-400V	0,73	0,55	0,75	2.4 A	1.4 A		12	12	12	11	11	10	9,5	8,6	7,6	6,4	5,1	3,7	2,1	0,4	27

DCM2 *TWIN FLANGES*

MODEL	CODE
DCM2 32-450 T	60209876
DCM2 32-600 T	60209877
DCM2 32-800 T	60209878
DCM2 32-1200 T	60209879

CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																		WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h	0	2	4	6	8	10	12	14	16	18	20	22	24	26	
				kW	HP	230	400	Q=l/min	0	33	67	100	133	167	200	233	267	300	333	367	400	433	
260	DN 32 PN 16 DN 32 PN 10	230-400V	0,26	0,25	0,34	1.2 A	0.7 A	H (m)	4,8	4,7	4,4	4,0	3,5	2,8	2,0	1,0							46
		230-400V	0,33	0,25	0,34	1.3 A	0.8 A		6,0	6,0	5,7	5,3	4,7	4,0	3,1	2,0	0,8						46
320		230-400V	0,51	0,37	0,50	2.0 A	1.2 A		8,0	7,9	7,8	7,5	7,1	6,6	5,9	5,2	4,4	3,5	2,5	1,5	0,4		54,5
		230-400V	0,73	0,55	0,75	2.4 A	1.4 A		11,1	11,0	10,7	10,4	9,9	9,3	8,6	7,8	6,9	5,8	4,6	3,3	1,9	0,4	54,5

CP2, CP2-G / DCP2, DCP2-G

IN-LINE PUMPS

In-line pumps designed for conditioning, heating and water recirculation in the presence of thermal solar panels (solar collectors) in commercial building service.
The pump body and the motor support are in cast iron, the impeller is in cast iron or technopolymer depending on the model.
In-line flanged ports. CP-G models equipped with coupling.
The pumps with the code CP and CP-G are single, those with the code DCP and DCP-G are twin pumps. All models have a air cooled two-pole motor.

Operating range
up to 36 m³/h with head up to 50 m.
Type of pumped liquid
clean, free of solids and abrasives, non-viscous, non-aggressive, non-crystallised
Glycol percentage (maximum) 50%
Liquid temperature range
from -15°C to +140°C
Maximum ambient temperature +50°C
Maximum operating pressure
16 Bar (1600 kPa)
Flanging PN10 - PN16
Motor efficiency
IE2 up to 0,55 kW; IE3 ≥ 0,75 kW
Motor protection class IP 55
Motor insulation class F
Impeller material cast iron or technopolymer
Three phase power input
3x230 V 50 Hz / 3x400 V 50 Hz
Max rpm 2910
Type of installation
Fixed in horizontal or vertical position with motor in up position. Only in vertical position for motor from 7,5 kW.

CP2, CP2-G *SINGLE FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																						WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36		
										Q=l/min	0	33	67	100	133	167	200	233	267	300	333	367	400	433	467	500	533	567	600		
CP2 32-550 T	60209865	260	DN 32 PN 16 DN 32 PN 10	230-400V	0,37	0,25	0,34	1.7 A	1 A	H (m)	5,5	5,5	5,2	4,9	4,4	3,9	3,3	2,7	2,2	1,7	1,4										22,6
CP2 32-750 T	60209866			230-400V	0,48	0,37	0,50	1.9 A	1.1 A		7,4	7,2	6,9	6,6	6,2	5,6	5,1	4,4	3,7	2,8	1,9	1,0									22,6
CP2 32-1100 T	60209867			230-400V	0,73	0,55	0,75	2.4 A	1.4 A		10,6	10,4	10,1	9,7	9,3	8,7	8,1	7,4	6,5	5,6	4,5	3,3	2,0	0,5							22,6
CP2 32-1400 T	60209868			230-400V	1,07	0,75	1,02	3.5 A	2 A		14,3	14,0	13,7	13,3	12,8	12,3	11,7	10,9	10,1	9,2	8,2	7,1	5,8	4,4	2,9	1,3					24,7
CP2 32-1800 T	60209869			230-400V	1,48	1,1	1,50	5.6 A	3.2 A		17,8	17,7	17,4	17,0	16,6	16,1	15,5	14,7	13,9	13,0	12,0	10,9	9,7	8,3	6,9	5,3	3,6	1,8			25,5
CP2 32-2100 T	60209871			230-400V	0,85	0,75	1,02	3 A	1.7 A		21,5	20,9	19,9	18,4	16,4	13,8	10,6	6,8	2,1												25
CP2 32-2200 T	60209870			230-400V	1,83	1,5	2,04	6.3 A	3.6 A		21,9	21,8	21,6	21,2	20,8	20,2	19,5	18,7	17,7	16,7	15,5	14,1	12,7	11,1	9,3	7,4	5,4	3,2	0,8		25
CP2 32-2700 T	60209872	320		230-400V	2,9	2,2	2,99	9 A	5.2 A		26,7	26,5	26,3	25,9	25,4	24,9	24,3	23,7	23,0	22,3	21,5	20,7	19,9	19,1							37
CP2 32-3600 T	60209873			230-400V	4,08	3	4,08	12.3 A	7.1 A		36,4	36,7	36,8	36,6	36,3	35,7	35,0	34,2	33,3	32,2	31,1	29,9	28,8	27,6	26,4	25,2	24,1	23,1	22,2		45
CP2 32-4000 T	60209874			230-400V	4,95	4	5,44	15.1	8.7 A		40,3	40,6	40,7	40,6	40,2	39,7	39,0	38,2	37,3	36,2	35,1	33,9	32,6	31,2	29,9	28,5	27,2	25,8	24,5		45
CP2-G 32-4800 T	60209875			230-400V	6,5	5,5	7,48	18.2 A	10.5 A		49,1	49,0	48,9	48,7	48,4	48,0	47,6	47,0	46,3	45,5	44,6	43,5	42,3	41,0	39,6	37,9	36,2	34,3	32,2		74

CP2, CP2-G / DCP2, DCP2-G

IN-LINE PUMPS

DCP2, DCP2-G *TWIN FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																							WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36					
										Q=l/min	0	33	67	100	133	167	200	233	267	300	333	367	400	433	467	500	533	567	600					
DCP2 32-550 T	60209880	260	DN 32 PN 16 DN 32 PN 10	230-400V	0,37	0,25	0,34	1.7 A	1 A	H (m)	5,6	5,4	5,1	4,7	4,1	3,4	2,5	1,5	0,4													46
DCP2 32-750 T	60209881			230-400V	0,48	0,37	0,50	1.9 A	1.1 A		7,5	7,2	6,9	6,4	5,9	5,1	4,3	3,3	2,1	0,8												46
DCP2 32-1100 T	60209882			230-400V	0,73	0,55	0,75	2.4 A	1.4 A		10,7	10,5	10,2	9,7	9,1	8,4	7,5	6,5	5,4	4,1	2,7	1,1										46
DCP2 32-1400 T	60209883			230-400V	1,07	0,75	1,02	3.5 A	2 A		14,2	14,0	13,7	13,2	12,7	12,0	11,2	10,2	9,2	7,9	6,5	5,0	3,2	1,3								46
DCP2 32-1800 T	60209884			230-400V	1,48	1,1	1,50	5.6 A	3.2 A		17,9	17,8	17,5	17,0	16,5	15,8	15,0	14,0	13,0	11,8	10,4	9,0	7,3	5,6	3,7	1,7						49
DCP2 32-2100 T	60211216			230-400V	0,85	0,75	1,02	3 A	1.7 A		22,2	21,4	20,2	18,4	16,0	12,9	9,0	4,2														49
DCP2 32-2200 T	60209885			230-400V	1,83	1,5	2,04	6.3 A	3.6 A		22,3	22,2	21,9	21,5	20,9	20,2	19,3	18,2	17,0	15,7	14,2	12,7	10,9	9,1	7,1	5,1	2,9	0,6				49
DCP2 32-2700 T	60209886	320		230-400V	2.9	2,2	2,99	9 A	5.2 A		27,3	27,2	26,9	26,6	26,1	25,5	24,9	24,1	23,2	22,2	21,0	19,8	18,4	16,9	15,3	13,6	11,8	9,8	7,7			71,5
DCP2 32-3600 T	60209887			230-400V	4,08	3	4,08	12.3 A	7.1 A		36,8	36,8	36,6	36,3	35,9	35,3	34,5	33,7	32,7	31,7	30,5	29,3	28,0	26,6	25,2	23,7	22,2	20,6	19,1			90
DCP2 32-4000 T	60209888			230-400V	4,95	4	5,44	15.1 A	8.7 A		41,0	41,0	40,8	40,5	40,0	39,4	38,7	37,8	36,8	35,7	34,5	33,2	31,8	30,3	28,8	27,2	25,6	23,9	22,1			90
DCP2-G 32-4800 T	60209889			230-400V	6,5	5,5	7,48	18.2 A	10.5 A		49,6	49,5	49,2	48,9	48,4	47,8	47,1	46,3	45,3	44,3	43,2	41,9	40,6	39,1	37,6	35,9	34,2	32,3	30,4			168

CM, CM-G / DCM, DCM-G - 4 POLES

IN-LINE PUMPS

Circulating pumps with in-line connections, suitable for civil and industrial installations for heating, air-conditioning and hot water for domestic use. Pump body, motor support, impeller and fan cover in cast iron.
PN 16 flanged suction and delivery connections with threaded holes for control pressure gauges.
Carbon/ceramic mechanical seal.
Three-phase, four-pole, asynchronous motor with external ventilation.
To protect the motor it is advisable to use a thermal overload protection complying with the regulations in force.

Operating range
from 1,2 to 420 m³/h with head up to 41 metres.

Liquid temperature range
from -10°C to +140°C.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.
(on request up to 50°C)

Maximum working pressure 16 bar (1600 kPa).

Protection level IP 55.

Insulation class F.

PN 16 counter flanges on request.

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

ACCESSORIES PAGE 109

CM, CM-G *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h	0	1,2	2,4	3	3,6	4,8	6	12	18	24	30	36	42	48	
						kW	HP	230	400	Q=l/min	0	20	40	50	60	80	100	200	300	400	500	600	700	800	
CM 40-440 T	60180063	390	DN 40	3 x 230 - 400 V ~	0,28	0,75	1,00	2,2	1,3		4,4	4,4	4,3	4,3	4,2	4	3,6									41
CM 40-540 T	60180064	390	DN 40	3 x 230 - 400 V ~	0,33	0,75	1,00	2,4	1,4		5,6	5,6	5,6	5,6	5,5	5,4	5	1,8								41
CM 40-670 T	60180065	390	DN 40	3 x 230 - 400 V ~	0,39	0,75	1,00	2,2	1,3		6,9	6,9	6,9	6,9	6,8	6,6	6,3	3,2								41
CM 40-870 T	60180066	390	DN 40	3 x 230 - 400 V ~	0,51	0,75	1,00	2,5	1,45		8,7	8,7	8,6	8,6	8,5	8,4	8,3	5,1								41
CM 40-1300 T	60180067	380	DN 40	3 x 230 - 400 V ~	1,1	0,75	1,00	3,3	1,9					13	12,9	12,5	12,4	9,8	6							30
CM 40-1450 T	60180068	380	DN 40	3 x 230 - 400 V ~	1,2	1,10	1,50	4,3	2,5							14,4	14,3	11,8	8							30
CM 50-510 T	60180069	425	DN 50	3 x 230 - 400 V ~	0,35	0,75	1,00	2,4	1,4						5	4,6	4,2									46,6
CM 50-630 T	60180070	425	DN 50	3 x 230 - 400 V ~	0,5	0,75	1,00	2,4	1,4						6,2	5,8	5,5									46,6
CM 50-780 T	60180071	425	DN 50	3 x 230 - 400 V ~	0,5	0,75	1,00	2,5	1,44						7,7	7,4	7,1									46,6
CM 50-1000 T	60180072	425	DN 50	3 x 230 - 400 V ~	0,64	0,75	1,00	2,94	1,7						10,1	9,8	9,6	6,8								46,6
CM 50-1270 T	60180073	400	DN 50	3 x 230 - 400 V ~	1,4	1,10	1,50	4,3	2,5	H (m)							12,7	11,2	8,5							36
CM 50-1420 T	60180074	400	DN 50	3 x 230 - 400 V ~	1,4	1,10	1,50	4,3	2,5								14,2	13	10	6						36
CM-G 65-420/A/BAQE/0,25	1D4111GXC	360	DN 65	3 x 230 - 400 V ~	0,4	0,25	0,33	1,6	0,9		4,2						4,1	3,7	3	2,1						55
CM-G 65-540/A/BAQE/0,37	1D4111G1C	360	DN 65	3 x 230 - 400 V ~	0,6	0,37	0,50	1,7	0,98		5,4						5,3	5	4,4	3,5						55
CM-G 65-660/A/BAQE/0,55	1D4111G2C	360	DN 65	3 x 230 - 400 V ~	0,8	0,55	0,75	2,6	1,5		6,6						6,5	6,2	5,7	4,8						65
CM-G 65-760/A/BAQE/0,55	1D4211G2C	360	DN 65	3 x 230 - 400 V ~	0,8	0,55	0,75	2,6	1,5		7,6						7,7	7,6	6,7	5,5						73
CM-G 65-920/A/BAQE/0,75	1D4211G3W	360	DN 65	3 x 230 - 400 V ~	1,2	0,75	1,00	3,1	1,8		9,2						9,2	9	8,4	7,4	5,7					67
CM-G 65-1080/A/BAQE/1,1	1D4311G4W	475	DN 65	3 x 230 - 400 V ~	1,6	1,10	1,50	4,3	2,5		10,8							10,8	10,6	10,2	9,5	8,6	7,3			77
CM-G 65-1200/A/BAQE/1,5	1D4311G5W	475	DN 65	3 x 230 - 400 V ~	2,0	1,50	2,00	6,2	3,6		12							12	11,9	11,5	10,8	10,1	8,9			71
CM-G 65-1530/A/BAQE/2,2	1D4311G6W	475	DN 65	3 x 230 - 400 V ~	2,9	2,20	3,00	10,2	5,9		15,3							15,3	15,2	14,8	14	13,3	12,1	10,8		86
CM-G 65-1680/A/BAQE/3	1D4311G7X	475	DN 65	3 x 400 V ~ [1]	2,7	3,00	4,00	-	6,8		16,8							16,8	16,5	16,1	15,5	14,6	13,6	12,4		72
CM-G 65-2380/A/BAQE/4	1D4411G8X	475	DN 65	3 x 400 V ~ [1]	4,3	4,00	5,50	-	8,2		23,8							24	23,8	23,4	22,7	21,6	20,4	19		92

[1] Star (⅄) starting is possible.

CM, CM-G / DCM, DCM-G - 4 POLES

IN-LINE PUMPS

CM, CM-G *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																			WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	12	18	24	30	36	42	48	60	72	84	90	102	114	120	150	180	
										Q=l/min	0	200	300	400	500	600	700	800	1000	1200	1400	1500	1700	1900	2000	2500	3000	
CM-G 80-550/ A/BAQE/0,55	1D5111G2C	360	DN 80	3 x 230 - 400 V ~	0,8	0,55	0,75	2,6	1,5		5,5	5,2	5	4,7	4,3	3,9	3,3	2,6										67
CM-G 80-650/ A/BAQE/0,75	1D5111G3W	360	DN 80	3 x 230 - 400 V ~	1,2	0,75	1,00	3,1	1,8		6,5	6,3	6,1	5,8	5,5	5	4,5	3,9										61
CM-G 80-740/ A/BAQE/1,1	1D5211G4W	440	DN 80	3 x 230 - 400 V ~	1,5	1,10	1,50	4,3	2,5		7,4	7,4	7,3	7,2	6,9	6,7	6,3	5,8	4,4									68
CM-G 80-890/ A/BAQE/1,5	1D5211G5W	440	DN 80	3 x 230 - 400 V ~	2	1,50	2,00	6,2	3,6		8,9		8,8	8,7	8,6	8,3	8	7,6	6,6									67
CM-G 80-1050/ A/BAQE/2,2	1D5211G6W	440	DN 80	3 x 230 - 400 V ~	2,4	2,20	3,00	10,2	5,9		10,5			10,4	10,3	10,2	9,9	9,6	8,8									80
CM-G 80-1530/ A/BAQE/3	1D5311G7X	500	DN 80	3 x 400 V ~ [1]	3,6	3,00	4,00	-	6,8		15,3			15,4	15,3	15	14,6	14,1	12,9	11,3								81
CM-G 80-1700/ A/BAQE/4	1D5311G8X	500	DN 80	3 x 400 V ~ [1]	3,9	4,00	5,50	-	8,2		17			17,2	17,2	17,1	16,8	16,5	15,7	14,3	12,6							98
CM-G 80-2410/ A/BAQE/5,5	1D5411G9X	620	DN 80	3 x 400 V ~ [1]	6,5	5,50	7,50	-	10,6		24,1			23,8	23,6	23,3	22,8	22,3	20,8	18,6								204
CM-G 80-2700/ A/BAQE/7,5	1D5511GAX	620	DN 80	3 x 400 V ~ [1]	8,7	7,50	10,00	-	14,4		27						26	25,5	24,5	22,7	20,2	19						187
CM-G 80-3420/ A/BAQE/11	1D5511GBX	620	DN 80	3 x 400 V ~ [1]	12,7	11,00	15,00	-	22,4		34,2						33,2	33	32	30,7	29	28	25	21,7				277
CM-G 100-510/ A/BAQE/0,75	1D6111G3W	500	DN 100	3 x 230 - 400 V ~	1,2	0,75	1,00	3,1	1,8		5,1	4,9	4,8	4,7	4,7	4,4	4,2	3,8	3									78
CM-G 100-650/ A/BAQE/1,1	1D6111G4W	500	DN 100	3 x 230 - 400 V ~	1,4	1,10	1,50	4,3	2,5	H (m)	6,5	6,4	6,4	6,3	6,2	6	5,8	5,5	4,6									78
CM-G 100-660/ A/BAQE/1,5	1D6211G5W	550	DN 100	3 x 230 - 400 V ~	2	1,50	2,00	6,2	3,6		6,6				6,4	6,3	6,2	6	5,6	5	4,5	4,3	3,7	3				95
CM-G 100-865/ A/BAQE/2,2	1D6211G6W	550	DN 100	3 x 230 - 400 V ~	3	2,20	3,00	10,2	5,9		8,6				8,5	8,5	8,3	8,2	7,7	7,2	6,7	6,3	5,7	4,9	4,6			108
CM-G 100-1020/ A/BAQE/3	1D6211G7X	550	DN 100	3 x 400 V ~ [1]	3,6	3,00	4,00	-	6,8		10,2				10,2	10,1	10	9,9	9,7	9,3	8,8	8,6	7,9	7,2	6,7			102
CM-G 100-1320/ A/BAQE/4	1D6311G8X	550	DN 100	3 x 400 V ~ [1]	4,6	4,00	5,50	-	8,2		13,2						13,2	13,2	12,9	12,4	11,7	11,3	10,4	9,3	8,7			137
CM-G 100-1650/ A/BAQE/5,5	1D6311G9X	550	DN 100	3 x 400 V ~ [1]	6,9	5,50	7,50	-	10,6		16,5						16,6	16,5	16,2	16	15,4	15	14,3	13,3	12,7			182
CM-G 100-2050/ A/BAQE/7,5	1D6411GAX	670	DN 100	3 x 400 V ~ [1]	8,5	7,50	10,00	-	14,4		20,5						21	21	20,7	20	19,5	19	18	16,7	16			230
CM-G 100-2550/ A/BAQE/11	1D6411GBX	670	DN 100	3 x 400 V ~ [1]	12,1	11,00	15,00	-	22,4		25,5						25,5	25,5	25,1	25	24,2	24	23	21,5	21			323
CM-G 100-3290/ A/BAQE/15	1D6511GCX	670	DN 100	3 x 400 V ~ [1]	17,1	15,00	20,00	-	30,5		32,9								33	32,8	32	31,6	30,5	29,5	28,9	24		333
CM-G 100-3680/ A/BAQE/18,5	1D6511GDX	670	DN 100	3 x 400 V ~ [1]	19,6	18,50	25,00	-	34,3		36,8								37	36,8	36,5	36,1	35,5	34,5	34	29,5		359
CM-G 100-4100/ A/BAQE/22	1D6511GEX	670	DN 100	3 x 400 V ~ [1]	22,4	22,00	30,00	-	40,2		41								41,4	41	40,6	40,5	39,8	39	38,5	34,8	29	370

[1] Star (⅄) starting is possible.

CM, CM-G / DCM, DCM-G - 4 POLES

IN-LINE PUMPS

CM, CM-G *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA													WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 400	Q=m³h	0	60	72	84	90	102	114	120	150	180	210	
									Q=l/min	0	1000	1200	1400	1500	1700	1900	2000	2500	3000	3500	
CM-G 125-1075/ A/BAQE/4	1D7311G8X	620	DN 125	3 x 400 V ~ [1]	5,1	4,00	5,50	8,2	H (m)	10,8	10,1	10	9,7	9,5	9,1	8,5	8,3	7	5,4		191
CM-G 125-1270/ A/BAQE/5,5	1D7311G9X	620	DN 125	3 x 400 V ~ [1]	7,2	5,50	7,50	10,6		12,7	12,6	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5		237
CM-G 125-1560/ A/BAQE/7,5	1D7311GAX	620	DN 125	3 x 400 V ~ [1]	9,5	7,50	10,00	14,4		15,6	15,4	15,3	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8	218
CM-G 125-2100/ A/BAQE/11	1D7411GBX	800	DN 125	3 x 400 V ~ [1]	13,6	11,00	15,00	22,4		21	21,5	21,5	21,2	21	20,9	20	19,8	18	16		311
CM-G 125-2550/ A/BAQE/15	1D7411GCX	800	DN 125	3 x 400 V ~ [1]	16,3	15,00	20,00	30,5		25,5	25,5	25,5	25,1	25,1	25	24,5	24	22,5	20,5	17,5	321
CM-G 125-3200/A/ BAQE/18,5	1D7511GDX	800	DN 125	3 x 400 V ~ [1]	17,9	18,50	25,00	34,3		32			31,5	31,4	31	30,5	28,8	26	23		346
CM-G 125-3600/ A/BAQE/22	1D7511GEX	800	DN 125	3 x 400 V ~ [1]	22,4	22,00	30,00	40,2		36			35,5	35,2	35	34,6	33,2	31	28	24	357
CM-G 125-4022/ A/BAQE/30	1D7511GFX	800	DN 125	3 x 400 V ~ [1]	26,5	30,00	40,00	53,7		40,2			39,7	39,3	39,1	38,7	37,1	34,6	31,3	26,8	453

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 400	Q=m³h	0	84	90	102	114	120	150	180	210	250	300	360	390	420	
									Q=l/min	0	1400	1500	1700	1900	2000	2500	3000	3500	4167	5000	6000	6500	7000	
CM-G 150-955/ A/BAQE/5,5	1D8411G9X	800	DN 150	3 x 400 V ~ [1]	7,5	5,50	7,50	10,6	H (m)	9,6		9,6	9,6	9,4	9,3	8,7	7,8	6,7	5,5					298
CM-G 150-1322/A/ BAQE/7,5	1D8411GAX	800	DN 150	3 x 400 V ~ [1]	8,9	7,50	10,00	14,4		13,2		13	12,8	12,6	12,5	11,9	11,1	10,1	8,5					279
CM-G 150-1600/ A/BAQE/11	1D8411GBX	800	DN 150	3 x 400 V ~ [1]	13	11,00	15,00	22,4		16			15,5	15,5	15,4	14,8	14	13	11	9,2				327
CM-G 150-1950/ A/BAQE/15	1D8411GCX	800	DN 150	3 x 400 V ~ [1]	17,5	15,00	20,00	30,5		19,5			19,5	19,4	19,3	19,2	18,7	17,8	16	14,1	10,9			337
CM-G 150-2200/A/ BAQE/18,5	1D8411GDX	800	DN 150	3 x 400 V ~ [1]	21,1	18,50	25,00	34,3		22			22	21,9	21,8	21,7	21,4	20,5	19	17,2	14	12		361
CM-G 150-2405/ A/BAQE/22	1D8411GEX	800	DN 150	3 x 400 V ~ [1]	23,8	22,00	30,00	40,2		24,1			23,9	23,9	23,8	23,6	23,2	22,7	21,8	20,2	17,5	15,6	14	373

[1] Star (⅄) starting is possible.

CM, CM-G / DCM, DCM-G - 4 POLES

IN-LINE PUMPS

DCM, DCM-G *TWIN FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA														WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	1,8	2,4	3,0	4,5	6	9	10,5	12	13,5	15	18			
										Q=l/min	30	40	50	75	100	150	175	200	225	250	300			
DCM 40/380 T	60206367	340	DN 40	3x230-400 V ~	0,41	0,25	0,33	1,6	0,9	H (m)	3,8	3,7	3,6	3,15	2,6									41
DCM 40/460 T	60206370	340	DN 40	3x230-400 V ~	0,41	0,25	0,33	1,6	0,9			4,6	4,5	4,1	3,6	2,2								41
DCM 40/620 T	60206372	340	DN 40	3x230-400 V ~	0,41	0,25	0,33	1,6	0,9				6,2	6	5,8	4,5	3,9	3						41
DCM 50/460 T	60206368	365	DN 50	3x230-400 V ~	0,41	0,25	0,33	1,6	0,9						4,6	4,3	4,1	3,9	3,6	3,3	2,4			46
DCM 50/630 T	60206371	365	DN 50	3x230-400 V ~	0,57	0,37	0,50	2,1	1,2						6,3	6,1	6	5,8	5,5	5,2	4,6			46
DCM 50/880 T	60206369	410	DN 50	3x230-400 V ~	0,79	0,50	0,70	2,9	1,7						8,8	8,3	8	7,7	7,3	6,9	5,9			52

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA													WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	6	12	18	24	30	36	42	48	54			
										Q=l/min	0	100	200	300	400	500	600	700	800	900			
DCM-G 65-420/A/BAQE/0,25	60206533	360	DN 65	3x230-400 V ~	0,4	0,25	0,33	1,6	0,9	H (m)	4,2	3,5	2,7	1,7	0,5								112
DCM-G 65-540/A/BAQE/0,37	60206496	360	DN 65	3x230-400 V ~	0,6	0,37	0,50	1,7	1		5,4	5,2	4,4	3,3	1,6								112
DCM-G 65-660/A/BAQE/0,55	60206497	360	DN 65	3x230-400 V ~	0,8	0,55	0,75	2,6	1,5		6,5	6,4	5,6	4,4	2,6								136
DCM-G 65-760/A/BAQE/0,55	60206498	360	DN 65	3x230-400 V ~	0,8	0,55	0,75	2,6	1,5		7,5	7,6	6,9	5,4	3,1								135
DCM-G 65-920/A/BAQE/0,75	60180075	360	DN 65	3x230-400 V ~	1,2	0,75	1,00	3,1	1,8		9,1	9,1	8,6	7,5	5,8	3,8							126
DCM-G 65-1080/A/BAQE/1,1	60180076	475	DN 65	3x230-400 V ~	1,6	1,10	1,50	4,3	2,5		10,8		10,7	10,4	9,7	8,8	7,7	6,2					163
DCM-G 65-1200/A/BAQE/1,5	60180077	475	DN 65	3x230-400 V ~	2,0	1,50	2,00	6,2	3,6		12,0		11,9	11,6	11,0	10,0	9,0	7,6					161
DCM-G 65-1530/A/BAQE/2,2	60180078	475	DN 65	3x230-400 V ~	2,9	2,20	3,00	10,2	5,9		15,3		15,2	15,0	14,4	13,4	12,5	11,0	9,5	8,0			173
DCM-G 65-1680/A/BAQE/3	60180079	475	DN 65	3 x 400 V ~ [1]	2,7	3,00	4,00	-	6,8		16,8		16,7	16,3	15,7	14,9	13,7	12,4	11,0	9,3			166
DCM-G 65-2380/A/BAQE/4	60180080	475	DN 65	3 x 400 V ~ [1]	4,3	4,00	5,50	-	8,2		23,8		23,9	23,5	22,8	21,8	20,3	18,6	16,8	14,5			188

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																			WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102		
										Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700		
DCM-G 80-550/A/BAQE/0,55	60206499	360	DN 80	3x230-400 V ~	0,8	0,55	0,75	2,6	1,5	H (m)	5,5	5,1	4,7	4,1	3,4	2,6	1,9	1,1											126
DCM-G 80-650/A/BAQE/0,75	60180082	360	DN 80	3x230-400 V ~	1,2	0,75	1,00	3,1	1,8		6,5	6,2	5,8	5,2	4,5	3,7	2,9	2,1											116
DCM-G 80-740/A/BAQE/1,1	60180083	440	DN 80	3x230-400 V ~	1,5	1,10	1,50	4,3	2,5		7,1			6,8	6,3	5,9	5,1	4,3	3,5	2,5									178
DCM-G 80-890/A/BAQE/1,5	60180084	440	DN 80	3x230-400 V ~	2,0	1,50	2,00	6,2	3,6		8,5			8,3	8,0	7,5	6,8	6,1	5,3	4,4	3,5								179
DCM-G 80-1050/A/BAQE/2,2	60180085	440	DN 80	3x230-400 V ~	2,4	2,20	3,00	10,2	5,9		10,1			10,1	9,9	9,5	9,0	8,4	7,7	6,9			3,8						203
DCM-G 80-1530/A/BAQE/3	60180086	500	DN 80	3 x 400 V ~ [1]	3,6	3,00	4,00	-	6,8		14,4			14,1	13,7	13,0	12,2	11,3	10,2	9,2	8,0	6,8							211
DCM-G 80-1700/A/BAQE/4	60180087	500	DN 80	3 x 400 V ~ [1]	3,9	4,00	5,50	-	8,2		16,0			15,7	15,5	15,3	14,6	14,0	13,2	12,3	11,2	10,0	8,9	7,7					232
DCM-G 80-2410/A/BAQE/5,5	60180088	620	DN 80	3 x 400 V ~ [1]	6,5	5,50	7,50	-	10,6		24,1					23,3	22,7	22,0	21,1	20,2	18,9	17,6	16,2						447
DCM-G 80-2700/A/BAQE/7,5	60167327	620	DN 80	3 x 400 V ~ [1]	8,7	7,50	10,00	-	14,4		27,0					26,1	26,1	25,5	24,9	24,2	23,2	22,1	20,7	19,3	17,9				468
DCM-G 80-3420/A/BAQE/11	60167328	620	DN 80	3 x 400 V ~ [1]	12,7	11,00	15,00	-	22,4		34,2					33,3	33,3	32,9	32,3	31,8	30,9	29,9	29,0	27,8	24,4	22,0			502

[1] Star (λ) starting is possible.
Blank counterflange supplied as standard for twin version.

CM, CM-G / DCM, DCM-G - 4 POLES

IN-LINE PUMPS

DCM, DCM-G *TWIN WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																								WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180					
										Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000					
DCM-G 100-510/A/BAQE/0,75	60180089	500	DN 100	3x230-400 V ~	1,2	0,75	1,00	3,1	1,8		4,9	4,8	4,7	4,6	4,5	4,0	3,7	3,2	2,6	2,1														200
DCM-G 100-650/A/BAQE/1,1	60180090	500	DN 100	3x230-400 V ~	1,4	1,10	1,50	4,3	2,5		6,3	6,3	6,3	6,1	5,9	5,5	5,1	4,6	4,0	3,3														202
DCM-G 100-660/A/BAQE/1,5	60180091	550	DN 100	3x230-400 V ~	2,0	1,50	2,00	6,2	3,6		6,6				6,4	6,2	6,0	5,8	5,6	5,3	4,9	4,5	4,1	3,7	3,4	2,6	1,8								229
DCM-G 100-865/A/BAQE/2,2	60180092	550	DN 100	3x230-400 V ~	3	2,20	3,00	10,2	5,9		8,6				8,5	8,4	8,1	8,0	7,7	7,4	7,0	6,6	6,1	5,7	5,2	4,2	3,2	2,8							225
DCM-G 100-1020/A/BAQE/3	60180093	550	DN 100	3 x 400 V ~ [1]	3,6	3,00	4,00	-	6,8		10,2				10,2	10,0	9,8	9,6	9,5	9,3	8,9	8,5	8,0	7,5	7,1	5,9	4,7	4,0							224
DCM-G 100-1320/A/BAQE/4	60180094	550	DN 100	3 x 400 V ~ [1]	4,6	4,00	5,50	-	8,2		13,2						13,2	13,1	13,0	12,8	12,4	11,9	11,3	10,8	10,2	8,8	7,4	6,6							263
DCM-G 100-1650/A/BAQE/5,5	60180095	550	DN 100	3 x 400 V ~ [1]	6,9	5,50	7,50	-	10,6	H (m)	16,5						16,5	16,4	16,3	16,0	15,8	15,5	14,9	14,4	13,7	12,4	10,8	10,0							356
DCM-G 100-2050/A/BAQE/7,5	60167329	670	DN 100	3 x 400 V ~ [1]	8,5	7,50	10,00	-	14,4		19,3								19,2	18,8	18,5	17,9	17,6	17,2	16,6	15,5	14,1	13,3							527
DCM-G 100-2550/A/BAQE/11	60167330	670	DN 100	3 x 400 V ~ [1]	12,1	11,00	15,00	-	22,4		24,0								23,3	22,8	22,6	22,4	21,9	21,4	21,0	19,8	18,1	17,5							534
DCM-G 100-3290/A/BAQE/15	60167331	670	DN 100	3 x 400 V ~ [1]	17,1	15,00	20,00	-	30,5		30,9								30,5	30,3	30,1	29,9	29,4	28,8	28,3	27,0	25,8	25,1	20,0						723
DCM-G 100-3680/A/BAQE/18,5	60167332	670	DN 100	3 x 400 V ~ [1]	19,6	18,50	25,00	-	34,3		34,6								34,2	34,0	33,7	33,5	33,1	32,9	32,4	31,5	30,2	29,5	24,5						860
DCM-G 100-4100/A/BAQE/22	60167333	670	DN 100	3 x 400 V ~ [1]	22,4	22,00	30,00	-	40,2		41,0								41,4	41,4	41,2	41,0	40,8	40,6	40,5	39,8	39,0	38,5	34,8	29,0					969

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																		WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	60	66	72	78	84	90	102	114	120	150	180	210				
										Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500				
DCM-G 125-1075/A/BAQE/4	60180096	620	DN 125	3 x 400 V ~ [1]	5,1	4,00	5,50	-	8,2		10,0	9,5	9,4	9,2	9,0	8,7	8,4	7,7	6,8	6,5	4,4	2,4					456
DCM-G 125-1270/A/BAQE/5,5	60180097	620	DN 125	3 x 400 V ~ [1]	7,2	5,50	7,50	-	10,6		11,7	11,8	11,7	11,5	11,4	11,1	10,8	10,2	9,2	8,9	6,4	3,8					508
DCM-G 125-1560/A/BAQE/7,5	60167334	620	DN 125	3 x 400 V ~ [1]	9,5	7,50	10,00	-	14,4		14,4	14,6	14,6	14,4	14,2	14,0	13,8	13,2	12,7	12,3	10,2	7,5	4,9				526
DCM-G 125-2100/A/BAQE/11	60167335	800	DN 125	3 x 400 V ~ [1]	13,6	11,00	15,00	-	22,4		20,1					19,9	19,6	19,3	18,2	17,8	15,4	12,7					737
DCM-G 125-2550/A/BAQE/15	60167336	800	DN 125	3 x 400 V ~ [1]	16,3	15,00	20,00	-	30,5	H (m)	24,5					23,8	23,7	23,4	22,7	22,1	20,0	17,4	13,9				850
DCM-G 125-3200/A/BAQE/18,5	60167337	800	DN 125	3 x 400 V ~ [1]	17,9	18,50	25,00	-	34,3		30,7					29,6	29,3	28,6	27,7	25,9	22,2	18,3					888
DCM-G 125-3600/A/BAQE/22	60167338	800	DN 125	3 x 400 V ~ [1]	22,4	22,00	30,00	-	40,2		34,5					33,7	33,3	32,8	32,1	30,6	27,6	23,7	19,1				933
DCM-G 125-4022/A/BAQE/30	60167339	800	DN 125	3 x 400 V ~ [1]	26,5	30,00	40,00	-	53,7		39,0					38,9	38,5	37,6	36,6	36,1	33,2	29,5	24,7				1073

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																				WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	0	90	102	114	120	150	180	210	240	250	270	330	360	390	420				
										Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000	4167	4500	5500	6000	6500	7000				
DCM-G 150-955/A/BAQE/5,5	60180098	800	DN 150	3 x 400 V ~ [1]	7,5	5,50	7,50	-	10,6		9,6				8,1	7,0	6,2	4,9	3,5	2,8										663
DCM-G 150-1322/A/BAQE/7,5	60167340	800	DN 150	3 x 400 V ~ [1]	8,9	7,50	10,00	-	14,4		11,8	11,5	11,5	11,4	11,0	10,0	8,5	7,2	6,0	5,5										662
DCM-G 150-1600/A/BAQE/11	60167341	800	DN 150	3 x 400 V ~ [1]	13	11,00	15,00	-	22,4		14,8		14,2	14,2	14,0	13,4	12,5	11,4	10,1	9,4	8,8	7,5								688
DCM-G 150-1950/A/BAQE/15	60167342	800	DN 150	3 x 400 V ~ [1]	17,5	15,00	20,00	-	30,5	H (m)	18,1		17,9	17,8	17,7	17,5	16,9	15,9	14,8	14,0	13,5	12,0	10,5	8,9						788
DCM-G 150-2200/A/BAQE/18,5	60167343	800	DN 150	3 x 400 V ~ [1]	21,1	18,50	25,00	-	34,3		20,2		20,7	20,6	20,4	20,2	19,7	18,5	17,3	16,6	15,0	14,2	12,2	10,5	8,5					796
DCM-G 150-2405/A/BAQE/22	60167344	800	DN 150	3 x 400 V ~ [1]	23,8	22,00	30,00	-	40,2		22,5		22,2	22,0	21,9	21,4	21,0	20,0	19,0	18,5	17,8	16,0	14,0	12,0	9,7					930

[1] Star (⅄) starting is possible.
Blank counterflange supplied as standard for twin version.

CP, CP-G / DCP, DCP-G - 2 POLES

IN-LINE PUMPS

Circulating pumps with in-line connections, suitable for civil and industrial installations for heating, air-conditioning and hot water for domestic use.
Pump body and motor support in cast iron.
PN 16 flanged suction and delivery connections with threaded holes for control pressure gauges.
Technopolymer impeller and carbon/ceramic mechanical seal.
Three-phase, two-pole, asynchronous motor with external ventilation.
To protect the motor it is advisable to use a thermal overload protection complying with the regulations in force.

Operating range
from 3,6 to 420 m³/h with head up to 102 metres.

Liquid temperature range
from -10°C to +140°C.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.
(on request up to 50°C)

Maximum working pressure 16 bar (1600 kPa).

Protection level IP 55

Insulation class F.

PN 16 counter flanges on request.

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

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CP *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DISTANCE	PUMP COUPLINGS	ELECTRICAL DATA						HYDRAULIC DATA									WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h	0	3,6	4,8	6	12	18	24	30	36	
						kW	HP	230	400	Q=l/min	0	60	80	100	200	300	400	500	600	
CP 40/1900 T	60179895	390	DN 40	3 x 230 - 400 V ~	1,1	0,75	1	4,3	2,5		17,6	17,6	17,4	17	14					41
CP 40/2300 T	60179889	390	DN 40	3 x 230 - 400 V ~	1,45	1,1	1,5	5,2	3		21,8	21,8	21,3	21	18					41
CP 40/2700 T	60179896	390	DN 40	3 x 230 - 400 V ~	1,89	1,5	2	6,4	3,7		26,9	26,9	26,7	26,2	23,2					40
CP 40/3500 T	60180101	390	DN 40	3 x 230 - 400 V ~	2,53	2,2	3	8,6	5		34,8	34,9	34,7	34,2	31,7					44
CP 40/3800 T	60180102	320	DN 40	3 x 230 - 400 V ~	3,54	3	4	3	4					38	35	30				37
CP 40/4700 T	60180103	380	DN 40	3 x 230 - 400 V ~	4,87	4	5,5	4	5,5					47	44	39,5	35			50
CP 40/5500 T	60180104	380	DN 40	3 x 400 V ~ [1]	6,57	5,5	7,5	-	10,6					55	53	48	42			55
CP 40/6200 T	60167345	380	DN 40	3 x 400 V ~ [1]	9,18	7,5	10	-	14,4	H (m)				62	59	54	49			56
CP 50/2200 T	60179897	425	DN 50	3 x 230 - 400 V ~	1,42	1,1	1,5	5,4	3,1					20	16,5	11				38,6
CP 50/2600 T	60179892	425	DN 50	3 x 230 - 400 V ~	1,89	1,5	2	6,5	3,8					25	22	16				39
CP 50/3100 T	60179891	425	DN 50	3 x 230 - 400 V ~	2,51	2,2	3	8,6	5					31	28,5	24				36
CP 50/4100 T	60179893	425	DN 50	3 x 230 - 400 V ~	3,8	4	5,5	13,5	7,8					40,7	38,5	34,5	27,7			36
CP 50/4600 T	60180107	400	DN 50	3 x 400 V ~ [1]	6,57	5,5	7,5	-	10,6							44	41,5	37	31	46,0
CP 50/5100 T	60167346	400	DN 50	3 x 400 V ~ [1]	9,18	7,5	10	-	14,4							50	47,5	42,5	37	46,1
CP 50/5650 T	60167347	400	DN 50	3 x 400 V ~ [1]	9,18	7,5	10	-	14,4							55,5	53	49	44	57,9

[1] Star (⅄) starting is possible.

CP, CP-G / DCP, DCP-G - 2 POLES

IN-LINE PUMPS

CP-G *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																							WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150		
										Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500		
CP-G 65-1470/ A/BAQE/1,5	1D4111G5U	360	DN 65	3x230-400 V ~	1,9	1,5	2	5,20	3		14,7	14,5	14,3	13,8	13	11,8	10,5	8,6	7													57
CP-G 65-1900/ A/BAQE/2,2	1D4111G6U	360	DN 65	3x230-400 V ~	3,1	2,2	3	7,97	4,6		19	18,7	18,4	17,8	17	15,9	14,6	13	11													58
CP-G 65-2280/ A/BAQE/3	1D4111G7V	360	DN 65	3 x 400 V ~ [1]	3,4	3	4	-	5,6		22,8	22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5												68
CP-G 65-2640/ A/BAQE/4	1D4111G8V	360	DN 65	3 x 400 V ~ [1]	4,7	4	5,5	-	8,2		26,4	26,2	26	25,6	25	24	23	21,5	19,5	17,5	15											68
CP-G 65-3400/ A/BAQE/5,5	1D4211G9V	360	DN 65	3 x 400 V ~ [1]	6,6	5,5	7,5	-	10,2		34			34	33,5	32,5	31	29,5	27	24												80
CP-G 65-4100/ A/BAQE/7,5	1D4211GAV	360	DN 65	3 x 400 V ~ [1]	8,6	7,5	10	-	14,4		41			41	41	40	39	37,5	35,5	33	30	26,5										87
CP-G 65-4700/ A/BAQE/11	1D4311GBV	475	DN 65	3 x 400 V ~ [1]	14,1	11	15	-	19,9		47					45,5	45	44,3	43,3	42	40,8	39	37	35	32,3							198
CP-G 65-5500/ A/BAQE/15	1D4311GCV	475	DN 65	3 x 400 V ~ [1]	17,2	15	20	-	26,8		55					56	55,5	54	53,5	52	51	49	47,5	45,5	43	41						194
CP-G 65-6150/ A/BAQE/18,5	1D4311GDV	475	DN 65	3 x 400 V ~ [1]	21,8	18,5	25	-	33		61,5					62	62	61,5	60,5	59	58	56,5	55	53	51	48,5	43					198
CP-G 65-7350/ A/BAQE/22	1D4411GEV	475	DN 65	3 x 400 V ~ [1]	24,1	22	30	-	38,1		73,5					75	74,5	73,8	73,5	71	68,5	67	65	62,5	60	57	49					232
CP-G 65-9250/ A/BAQE/30	1D4411GFV	475	DN 65	3 x 400 V ~ [1]	32,5	30	40	-	52,1		92,5					94	94	94	93	91	89,4	87,5	85,6	83	81,5	78	72					310
CP-G 80-1400/ A/BAQE/2,2	1D5111G6U	360	DN 80	3x230-400 V ~	3	2,2	3	7,97	4,6		14				13,8	13,3	12,9	12,5	12,1	11,4	10,8	10	9,2	8,3	7,5								61
CP-G 80-1700/ A/BAQE/3	1D5111G7V	360	DN 80	3 x 400 V ~ [1]	3,5	3	4	-	5,6	H (m)	17				16,5	16	15,5	15	14,5	13,7	13	12	11	10	9								71
CP-G 80-2050/ A/BAQE/4	1D5111G8V	360	DN 80	3 x 400 V ~ [1]	5	4	5,5	-	8,2		20,5				20	19,5	19,1	18,5	18	17,5	16,5	15,8	14,8	14	12,5	11,5							71
CP-G 80-2400/ A/BAQE/5,5	1D5111G9V	360	DN 80	3 x 400 V ~ [1]	6,4	5,5	7,5	-	10,2		24				23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4						83
CP-G 80-2770/ A/BAQE/7,5	1D5211GAV	440	DN 80	3 x 400 V ~ [1]	9,2	7,5	10	-	14,4		27,7								27,5	27,3	27,1	26,7	25,8	25,6	24,9	24,5	23	21,2	20,1				91
CP-G 80-3250/ A/BAQE/11	1D5211GBV	440	DN 80	3 x 400 V ~ [1]	12,7	11	15	-	19,9		32,5								32,2	32	31,8	31,3	30,2	30	29,2	28,7	27	24,8	23,6				196
CP-G 80-4000/ A/BAQE/15	1D5211GCV	440	DN 80	3 x 400 V ~ [1]	17,5	15	20	-	26,8		40								40,2	40	39,8	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9			167
CP-G 80-5150/ A/BAQE/18,5	1D5311GDV	500	DN 80	3 x 400 V ~ [1]	21	18,5	25	-	33		51,5								52	52	51,5	50,5	50	49	48,5	47,5	45	42,5	41				121
CP-G 80-5650/ A/BAQE/22	1D5311GEV	500	DN 80	3 x 400 V ~ [1]	25,3	22	30	-	38,1		56,5								58	58	57,5	57	56,5	56	55	54,5	53	51	49				124
CP-G 80-6850/ A/BAQE/30	1D5311GFV	500	DN 80	3 x 400 V ~ [1]	32,8	30	40	-	52,1		68,5								70	70	70	68,5	69	68,8	68,5	67,5	66	64	63	57			314
CP-G 80-8600/ A/BAQE/37	1D5411GGV	620	DN 80	3 x 400 V ~ [1]	41,9	37	50	-	62,6		86								83	82,5	82,5	82	81,5	81	80	79	76,5	73,5	72	60			424
CP-G 80-9600/ A/BAQE/45	1D5411GHV	620	DN 80	3 x 400 V ~ [1]	51,2	45	60	-	78,4		96								92,5	92	92	91,5	91,5	91	90	89,5	87,5	85	83	72,5			347
CP-G 80-10200/ A/BAQE/55	1D5511GKV	620	DN 80	3 x 400 V ~ [1]	63,2	55	75	-	94,6		102						101,6	101,5	101,3	101,1	100,7	100,3	99,7	99,1	98,3	97,4	95,4	92,9	91,5	83,2			621

[1] Star (⅄) starting is possible.

CP, CP-G / DCP, DCP-G - 2 POLES

IN-LINE PUMPS

CP-G *SINGLE WITH OVAL FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																					WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 400	Q=m³h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	
									Q=l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	
CP-G 100-1600/ A/BAQE/4	1D6111G8V	500	DN 100	3 x 400 V ~ [1]	5,3	4	5,5	8,2		16	15	14,6	14,2	13,7	13,3	12,8	12,3	11,7	11	10	9,3	8								64
CP-G 100-1950/ A/BAQE/5,5	1D6111G9V	500	DN 100	3 x 400 V ~ [1]	7	5,5	7,5	10,2		19,5	19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12							102
CP-G 100-2350/ A/BAQE/7,5	1D6111GAV	500	DN 100	3 x 400 V ~ [1]	9,2	7,5	10	14,4		23,5	23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12						89
CP-G 100-2400/ A/BAQE/11	1D6211GBV	550	DN 100	3 x 400 V ~ [1]	13,9	11	15	19,9		24										22	21,4	20,4	20	17,4	16,8	12				127
CP-G 100-3050/ A/BAQE/15	1D6211GCV	550	DN 100	3 x 400 V ~ [1]	16,9	15	20	26,8		30,5										29	28,4	27,5	27	24,5	21,3	18,3				150
CP-G 100-3550/ A/BAQE/18,5	1D6211GDV	550	DN 100	3 x 400 V ~ [1]	21,9	18,5	25	33	H (m)	35,5										34,3	33,6	32,6	32,3	29,8	26,8	23,6	20			146
CP-G 100-3850/ A/BAQE/22	1D6211GEV	550	DN 100	3 x 400 V ~ [1]	26,5	22	30	38,1		38,5										37,2	36,8	36	35,8	33,5	30,8	27,5	24			259
CP-G 100-4800/ A/BAQE/30	1D6311GFV	550	DN 100	3 x 400 V ~ [1]	39,2	30	40	52,1		48										48,5	48,2	47,5	47	44,7	41	36	29			337
CP-G 100-5600/ A/BAQE/37	1D6311GGV	550	DN 100	3 x 400 V ~ [1]	45	37	50	62,6		56										58	57,5	57,2	57	55	52	48	43			397
CP-G 100-6300/ A/BAQE/45	1D6311GHV	550	DN 100	3 x 400 V ~ [1]	55,9	45	60	78,4		63										65,5	65	64	63	61,9	58,9	55,5	50,6	44,2		470
CP-G 100-8300/ A/BAQE/55	1D6411GKV	670	DN 100	3 x 400 V ~ [1]	70,1	55	75	94,6		83										83,7	83,7	83,7	83,2	80,7	77,3	72,8	66,4	59,5		627

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																			WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 400	Q=m³h	0	90	102	114	120	150	180	210	240	270	300	330	360	390	420		
									Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000		
CP-G 125-4750/ A/BAQE/37	1D7311GGV	620	DN 125	3 x 400 V ~ [1]	44,7	37	50	62,6		46,5					45	44	42	39	37	34,5	31	28				444
CP-G 125-5300/ A/BAQE/45	1D7311GHV	620	DN 125	3 x 400 V ~ [1]	53,9	45	60	78,4	H (m)	51,5					51	50	48,5	46	44	42	39	35	31,5			507
CP-G 125-5800/ A/BAQE/55	1D7311GKV	620	DN 125	3 x 400 V ~ [1]	68,2	55	75	94,6		57,5					57	56	55	53	51	49	46	43	39	36		539

[1] Star (⅄) starting is possible.

DCP *TWIN FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																	WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³h	6	7,5	9	10,5	12	13,5	15	18	21	24	27	30	36	
										Q=l/min	100	125	150	175	200	225	250	300	350	400	450	500	600	
DCP 40/1250 T	60180108	340	DN 40	3 x 230 - 400 V ~	0,83	0,75	1	2,9	1,7		12,5	11,5	10,5	9,5	8,1	6,8	5,2								50
DCP 40/1650 T	60180109	340	DN 40	3 x 230 - 400 V ~	1,05	0,75	1	2,9	1,7		16,5	15,5	14,5	13,5	12,3	11	9,5	6							50
DCP 40/2050 T	60180110	340	DN 40	3 x 230 - 400 V ~	1,33	1,1	1,5	4,3	2,5		20,5	20	19	18	17	16	15	11,5	7,5						52
DCP 40/2450 T	60180111	340	DN 40	3 x 230 - 400 V ~	2,07	1,5	2	5,9	3,4		24,5	24	23,5	23	22	21	20	16,5	13						54
DCP 50/1550 T	60180112	365	DN 50	3 x 230 - 400 V ~	2,07	1,5	2	5,9	3,4	H (m)							15,5	15	14,1	13	11,8	10,5	7		56
DCP 50/1900 T	60180113	365	DN 50	3 x 230 - 400 V ~	2,53	2	2,7	8	4,6								19	18,5	17,5	16,5	15,5	14,5	10,5		58
DCP 50/2450 T	60180114	365	DN 50	3 x 230 - 400 V ~	3,54	3	4	10,2	5,9								24,5	24	23,5	23	22	20,5	17		66
DCP 50/3000 T	60180115	365	DN 50	3 x 230 - 400 V ~	3,54	3	4	10,2	5,9								30	29	28	26,5	25	23	18		56
DCP 50/3650 T	60180116	410	DN 50	3 x 230 - 400 V ~	4,87	4	5,5	13,5	7,8								36,5	35,5	34,5	33,5	32,5	31	27		86

CP, CP-G / DCP, DCP-G - 2 POLES

IN-LINE PUMPS

DCP-G *TWIN FLANGES*

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																							WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102						
										Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700						
DCP-G 65-1470/A/BAQE/1,5	60180117	360	DN 65	3x230-400 V ~	1,9	1,5	2	5,20	3	H (m)	14,4	14,2	13,8	13,1	12,0	10,6	9,0	7,0	5,3													127
DCP-G 65-1900/A/BAQE/2,2	60180118	360	DN 65	3x230-400 V ~	3,1	2,2	3	7,97	4,6		18,6	18,3	17,8	16,9	15,7	14,2	12,5	10,5	8,3													140
DCP-G 65-2280/A/BAQE/3	60180119	360	DN 65	3 x 400 V ~ [1]	3,4	3	4	-	5,6		22,3			21,1	19,9	18,4	16,8	14,7	12,5	10,2													167
DCP-G 65-2640/A/BAQE/4	60180120	360	DN 65	3 x 400 V ~ [1]	4,7	4	5,5	-	8,2		25,9			24,6	23,7	22,2	20,7	18,8	16,4	14,0	11,4												151
DCP-G 65-3400/A/BAQE/5,5	60180121	360	DN 65	3 x 400 V ~ [1]	6,6	5,5	7,5	-	10,2		33,3			32,5	31,4	29,7	27,4	25,0	21,7	18,2													202
DCP-G 65-4100/A/BAQE/7,5	60167348	360	DN 65	3 x 400 V ~ [1]	8,6	7,5	10	-	14,4		40,2			39,6	39,0	37,4	35,7	33,4	30,7	27,5	23,9	20,1											248
DCP-G 65-4700/A/BAQE/11	60167349	475	DN 65	3 x 400 V ~ [1]	14,1	11	15	-	19,9		46,4					44,3	43,6	42,6	41,3	39,6	38,1	35,9	33,6	31,3	28,4								388
DCP-G 65-5500/A/BAQE/15	60167350	475	DN 65	3 x 400 V ~ [1]	17,2	15	20	-	26,8		54,3					54,7	53,9	52,1	51,2	49,4	48,0	45,6	43,7	41,3	38,4	36,1							420
DCP-G 65-6150/A/BAQE/18,5	60167351	475	DN 65	3 x 400 V ~ [1]	21,8	18,5	25	-	33		60,8					60,7	60,4	59,7	58,4	56,5	55,2	53,3	51,4	49,0	46,7	43,8	37,8						450
DCP-G 65-7350/A/BAQE/22	60167352	475	DN 65	3 x 400 V ~ [1]	24,1	22	30	-	38,1		72,6					73,4	72,6	71,6	70,9	68,0	65,1	63,2	60,7	57,8	54,9	51,5	43,1						521
DCP-G 65-9250/A/BAQE/30	60167353	475	DN 65	3 x 400 V ~ [1]	32,5	30	40	-	52,1		91,4					92,0	91,6	91,2	89,7	87,2	85,0	82,5	80,0	76,8	74,6	70,5	63,3						745

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																								WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³/h	0	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150						
										Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500						
DCP-G 80-1400/A/BAQE/2,2	60180122	360	DN 80	3x230-400 V ~	3,0	2,2	3	7,97	4,6	H (m)	13,7	14,3	13,7	13,0	12,3	11,4	10,3	9,1	7,8	6,5	5,2	4,0											152
DCP-G 80-1700/A/BAQE/3	60180123	360	DN 80	3 x 400 V ~ [1]	3,5	3	4	-	5,6		16,7	17,1	16,5	15,7	14,7	13,7	12,3	11,0	9,4	7,8	6,2	4,8											160
DCP-G 80-2050/A/BAQE/4	60180124	360	DN 80	3 x 400 V ~ [1]	5,0	4	5,5	-	8,2		20,1	20,8	20,1	19,5	18,4	17,4	16,2	14,6	13,1	11,3	9,7	7,7	6,1										140
DCP-G 80-2400/A/BAQE/5,5	60180125	360	DN 80	3 x 400 V ~ [1]	6,4	5,5	7,5	-	10,2		23,5	24,5	24,4	23,9	23,1	22,1	20,8	19,6	17,9	16,3	14,8	13,0	11,2	7,1									194
DCP-G 80-2770/A/BAQE/7,5	60167355	440	DN 80	3 x 400 V ~ [1]	9,2	7,5	10	-	14,4		27,1					26,6	26,0	25,3	24,3	22,8	21,9	20,5	19,3	16,2	13,0	11,3							150
DCP-G 80-3250/A/BAQE/11	60167356	440	DN 80	3 x 400 V ~ [1]	12,7	11	15	-	19,9		31,9					31,2	30,5	29,7	28,5	26,7	25,6	24,0	22,6	19,1	15,2	13,2							169
DCP-G 80-4000/A/BAQE/15	60167357	440	DN 80	3 x 400 V ~ [1]	17,5	15	20	-	26,8		39,2					39,7	39,1	38,5	37,7	36,7	35,6	34,6	33,2	30,1	26,9	25,1	15,1						175
DCP-G 80-5150/A/BAQE/18,5	60167358	500	DN 80	3 x 400 V ~ [1]	21	18,5	25	-	33		48,3					48,9	48,6	47,7	46,3	45,3	43,8	42,7	41,1	37,4	33,6	31,5							223
DCP-G 80-5650/A/BAQE/22	60167359	500	DN 80	3 x 400 V ~ [1]	25,3	22	30	-	38,1		53,0					54,5	54,2	53,2	52,3	51,2	50,1	48,4	47,2	44,0	40,3	37,7							353
DCP-G 80-6850/A/BAQE/30	60167360	500	DN 80	3 x 400 V ~ [1]	32,8	30	40	-	52,1		64,3					66,3	66,1	65,8	64,1	64,1	63,5	62,7	61,2	58,5	55,2	53,5	43,8						485
DCP-G 80-8600/A/BAQE/37	60167361	620	DN 80	3 x 400 V ~ [1]	41,9	37	50	-	62,6		86,4					85,3	84,9	85,1	84,7	84,3	83,8	82,9	81,9	79,3	76,2	74,6	61,8						482
DCP-G 80-9600/A/BAQE/45	60167362	620	DN 80	3 x 400 V ~ [1]	51,2	45	60	-	78,4		96,4					95,1	94,7	94,9	94,5	94,6	94,2	93,2	92,8	90,7	88,1	86,0	74,7						673
DCP-G 80-10200/A/BAQE/55	60167363	620	DN 80	3 x 400 V ~ [1]	63,2	55	75	-	94,6		102,4			103,9	104,1	104,1	104,1	103,9	103,6	103,1	102,6	101,8	101,0	98,9	96,3	94,8	85,7						939

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																								WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³/h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240						
										Q=l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000						
DCP-G 100-1600/A/BAQE/4	60180126	500	DN 100	3 x 400 V ~ [1]	5,3	4	5,5	-	8,2	H (m)	16,0	15,8	15,2	14,5	13,6	12,8	11,8	10,8	9,6	8,4	7,3	5,1	3,0										128
DCP-G 100-1950/A/BAQE/5,5	60180127	500	DN 100	3 x 400 V ~ [1]	7,0	5,5	7,5	-	10,2		19,5	20,1	19,8	19,2	18,5	17,7	16,5	15,5	14,5	13,3	11,8	9,0	6,0	4,5									127
DCP-G 100-2350/A/BAQE/7,5	60167364	500	DN 100	3 x 400 V ~ [1]	9,2	7,5	10	-	14,4		23,5	24,5	24,4	24,0	23,6	23,1	22,2	21,4	20,4	19,4	18,3	15,7	12,9	11,7	4,5								194
DCP-G 100-2400/A/BAQE/11	60167365	550	DN 100	3 x 400 V ~ [1]	13,9	11	15	-	19,9		23,6										21,9	21,0	19,7	19,1	15,5	13,4	8,2						238
DCP-G 100-3050/A/BAQE/15	60167366	550	DN 100	3 x 400 V ~ [1]	16,9	15	20	-	26,8		30,0										28,9	27,9	26,5	25,8	21,8	17,0	12,5						313
DCP-G 100-3550/A/BAQE/18,5	60167367	550	DN 100	3 x 400 V ~ [1]	21,9	18,5	25	-	33		34,9										34,6	33,5	32,1	31,6	27,8	23,3	18,5	13,7					329
DCP-G 100-3850/A/BAQE/22	60167368	550	DN 100	3 x 400 V ~ [1]	26,5	22	30	-	38,1		37,9										37,2	36,8	36,0	35,8	33,5	30,8	27,5	24,0					402
DCP-G 100-4800/A/BAQE/30	60167369	550	DN 100	3 x 400 V ~ [1]	39,2	30	40	-	52,1		52,7										52,1	51,6	50,7	50,0	47,1	42,7	37,0	29,3					496
DCP-G 100-5600/A/BAQE/37	60167370	550	DN 100	3 x 400 V ~ [1]	45	37	50	-	62,6		61,5										62,4	61,6	61,0	60,7	57,9	54,1	49,3	43,5					697
DCP-G 100-6300/A/BAQE/45	60167371	550	DN 100	3 x 400 V ~ [1]	55,9	45	60	-	78,4		68,1										70,1	69,3	67,9	66,7	62,7	57,1	49,5						1062
DCP-G 100-8300/A/BAQE/55	60167372	670	DN 100	3 x 400 V ~ [1]	70,1	55	75	-	94,6		77,8										79,0	79,0	79,0	78,5	76,1	72,7	68,2	61,8					1388

MODEL	CODE	CENTRE DIST.	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA											WEIGHT KG
				VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In (A) 230	In (A) 400	Q=m³/h	0	150	180	210	240	270	330	360	390	420	
										Q=l/min	0	2500	3000	3500	4000	4500	5500	6000	6500	7000	
DCP-G 125-4750/A/BAQE/37	60167373	620	DN 125	3 x 400 V ~ [1]	44,7	37	50	-	62,6	H (m)	45,0	44,2	42,0	39,0	36,0	31,0	20,0	17,1			863
DCP-G 125-5300/A/BAQE/45	60167374	620	DN 125	3 x 400 V ~ [1]	53,9	45	60	-	78,4		49,6	50,5	50,0	48,0	43,5	39,0	29,0	24,0	19,3		1028
DCP-G 125-5800/A/BAQE/55	60167375	620	DN 125	3 x 400 V ~ [1]	68,2	55	75	-	94,6		55,7	56,7	56,0	52,0	50,0	46,0	39,0	32,0	28,0	22,0,	1305

[1] Star (⅄) starting is possible.

K-HA

CENTRIFUGAL PRESSURE BOOSTING PUMPS

ONLY FOR EXTRA EU MARKETS

K-HA single impeller centrifugal pump is designed for water pressure boosting in households, flats (domestic properties) to provide additional pressure to hot and cold water taps and similar outlet points.
K-HA centrifugal pump is mainly for use in open vented systems (tanks), but may also be installed directly on the incoming water mains supply to feed a boiler, provided approval has been obtained from the local Water Company.
The pump is supplied with a 0,3 meter power cable.

Operating range
up to 4,2 m^3/h with head up to 22 m.

Liquid quality requirements clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallized, chemically neutral, close to the characteristics of water.

Liquid temperature range from 0°C to +100 °C

Ambient temperature from -10°C to +55 °C

Environment humidity ≤ 95%

Maximum operating pressure
4 bar (35° C liquid temperature)
2 bar (65° C liquid temperature)

Minimum automatic (flow switch) operating pressure 0,5 mwc

Minimum automatic (flow switch) operating flow 2,5 l/min

K-HA

MODEL	CODE	VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Ist A	cos φ	CAPACITOR (ηF)	HOSE DIAMETER (mm)	MAXIMUM FLOW RATE (m^3/h)	MAXIMUM HEAD (m)	WEIGHT (kg)
				KW	HP								
K 20/9 HA	60161484.	220 V	0,18	0,03	0,12	0,82	2,89	0,926	8	ø 16 mm	2,10	9	5,4
K 30/12 HA	60161483.	220 V	0,28	0,12	0,16	1,28	4,09	0,969	8	ø 16 mm	2,40	12	7,9
K 30/15 HA	60161482.	220 V	0,34	0,18	0,25	1,5	4,09	0,98	8	ø 16 mm	3,00	15	7,9
K 40/19 HA	60161481.	220 V	0,47	0,25	0,34	2,25	7,6	0,905	8	ø 16 mm	3,60	18	8,9
K 40/22 HA	60160878.	220 V	0,57	0,37	0,5	2,54	7,6	0,932	8	ø 16 mm	4,20	22	8,9

ACCESSORIES FOR CIRCULATORS AND IN-LINE PUMPS

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

UNION KIT	DESCRIPTION	CODE	MODEL	WEIGHT KG	Q.TY X BOX
	1/2" F UNION KIT	60110426	EVOSTA 2 40-70/130 (1/2") EVOSTA 3 40/130 (1/2") - 60/130 (1/2") - 80/130 (1/2") EVOSTA2 75/130 SOL (1/2") - EVOSTA2 105/130 SOL (1/2") EVOSTA2 145/130 SOL (1/2") - EVOSTA2 75/130 SOL PWM (1/2") EVOSTA2 105/130 SOL PWM (1/2") - EVOSTA2 145/130 SOL PWM (1/2")	0,4	24
	3/4" F UNION KIT	547121050	EVOSTA 2 40-70/130 (1") EVOSTA 2 40-70/180 (1") EVOSTA 3 40/130 (1") - 60/130 (1") - 80/130 (1") EVOSTA 3 40/180 (1") - 60/180 (1") - 80/180 (1") EVOSTA2 75/130 SOL (1") - EVOSTA2 75/180 SOL (1") EVOSTA2 105/130 SOL (1") - EVOSTA2 105/180 SOL (1") EVOSTA2 145/130 SOL (1") - EVOSTA2 145/180 SOL (1") EVOSTA2 75/130 SOL PWM (1") - EVOSTA2 75/180 SOL PWM (1") EVOSTA2 105/130 SOL PWM (1") - EVOSTA2 105/180 SOL PWM (1") EVOSTA2 145/130 SOL PWM (1") - EVOSTA2 145/180 SOL PWM (1") EVOPLUS 40/180 M - 60/180 M - 80/180 M - 110/180 M	0,4	24
	1" F UNION KIT	547121060	EVOSTA 2 40-70/130 (1") EVOSTA 2 40-70/180 (1") EVOSTA 3 40/130 (1") - 60/130 (1") - 80/130 (1") EVOSTA 3 40/180 (1") - 60/180 (1") - 80/180 (1") EVOSTA2 75/130 SOL (1") - EVOSTA2 75/180 SOL (1") EVOSTA2 105/130 SOL (1") - EVOSTA2 105/180 SOL (1") EVOSTA2 145/130 SOL (1") - EVOSTA2 145/180 SOL (1") EVOSTA2 75/130 SOL PWM (1") - EVOSTA2 75/180 SOL PWM (1") EVOSTA2 105/130 SOL PWM (1") - EVOSTA2 105/180 SOL PWM (1") EVOSTA2 145/130 SOL PWM (1") - EVOSTA2 145/180 SOL PWM (1") EVOPLUS 40/180 M - 60/180 M - 80/180 M - 110/180 M	0,4	24
	1" 1/4 F UNION KIT	547121070	EVOSTA 2 40-70/180X (1"1/4) EVOSTA 3 40/180 X - 60/180 X - 80/180 X EVOPLUS 40/180 XM - 60/180 XM - 80/180 XM - 110/180 XM ALME - ALPE ALM 500 - ALP 2000	0,7	24
	1" 1/4 M UNION KIT	547121080	EVOSTA 2 40-70/130 (1") EVOSTA 2 40-70/180 (1") EVOSTA 3 40/130 (1") - 60/130 (1") - 80/130 (1") EVOSTA 3 40/180 (1") - 60/180 (1") - 80/180 (1") EVOSTA2 75/130 SOL (1") - EVOSTA2 75/180 SOL (1") EVOSTA2 105/130 SOL (1") - EVOSTA2 105/180 SOL (1") EVOSTA2 145/130 SOL (1") - EVOSTA2 145/180 SOL (1") EVOSTA2 75/130 SOL PWM (1") - EVOSTA2 75/180 SOL PWM (1") EVOSTA2 105/130 SOL PWM (1") - EVOSTA2 105/180 SOL PWM (1") EVOSTA2 145/130 SOL PWM (1") - EVOSTA2 145/180 SOL PWM (1") EVOPLUS 40/180 M - 60/180 M - 80/180 M - 110/180 M	0,4	24

PIPES UNION KIT - BRASS	DESCRIPTION	CODE	MODEL	WEIGHT KG	Q.TY X BOX
	½" F BRASS UNION KIT	547121120	EVOSTA2 40-70/150 SAN (1") - EVOSTA2 80/150 SAN (1") EVOPLUS SMALL SAN VS 8/150 - 16/150 - 35/150 - 65/150 ALM 200 - 800	0,4	24
	¾" F BRASS UNION KIT	547121130	EVOSTA2 40-70/150 SAN (1") - EVOSTA2 80/150 SAN (1") EVOPLUS SMALL SAN VS 8/150 - 16/150- 35/150 - 65/150 ALM 200 - 800	0,4	24
	1" F BRASS UNION KIT	547121140	EVOSTA2 40-70/150 SAN (1") - EVOSTA2 80/150 SAN (1") EVOPLUS SMALL SAN VS 8/150 - 16/150 - 35/150 - 65/150 ALM 200 - 800	0,4	24

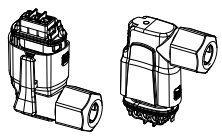
ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

COPPER KIT UNIONS	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**COPPER UNION KIT TO SOLDER Ø 22**	547121150	EVOSTA 2 SAN EVOPLUS SMALL SAN	0,4
			VS 8/150 - 16/150 - 35/150 - 65/150	
			ALM 200 - 800	
	COPPER UNION KIT TO SOLDER Ø 28	547121160	EVOSTA 2 SAN EVOPLUS SMALL SAN	0,4
			VS 8/150 - 16/150 - 35/150 - 65/150	
			ALM 200 - 800	

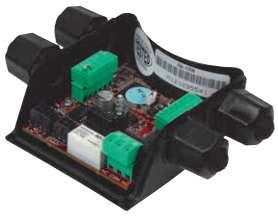
REDUCTION KIT	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**2" - 1" ½ REDUCTION KIT**	547121170	EVOSTA 2 40-70/130 EVOSTA 2 40-70/180	0,1
			EVOSTA 3 40/130 - 60/130 - 80/130 EVOSTA 3 40/180 - 60/180 - 80/180	
			EVOPLUS 40/180 - 60/180 - 80/180 - 110/180	
			VA	

INSULATION HOUSING KIT	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**INSULATION HOUSING KIT ***	60189434	EVOSTA 2 (all models)	0,6
			EVOSTA 3 (all models) * supplied as standard in the standar version	

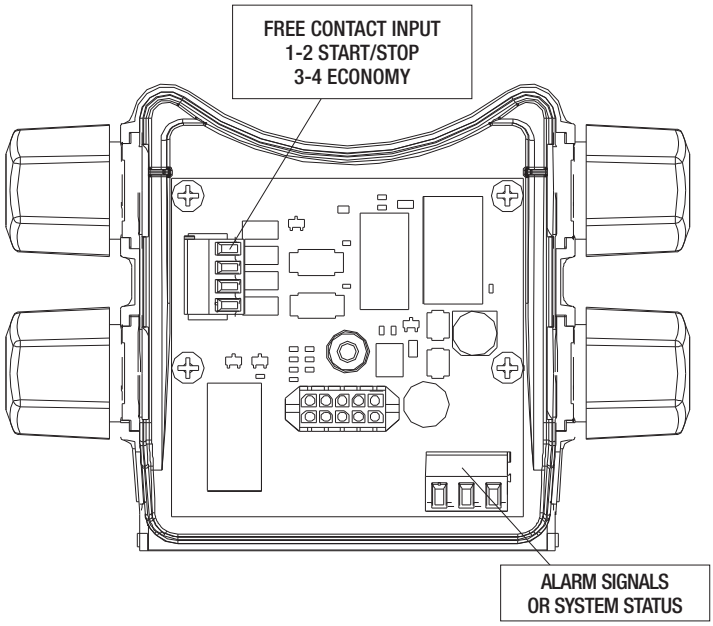
POWER CONNECTOR	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**EVOPLUS POWER CONNECTOR**	60152234	EVOPLUS SMALL (all models)	0,1
	**EVOSTA 3 ANGULAR CONNECTOR WITH CABLE**	60192429	EVOSTA 3	0,1
	**ANGLE CONNECTOR EVOSTA3**	60206641	EVOSTA 3	0,1

ACCESSORIES

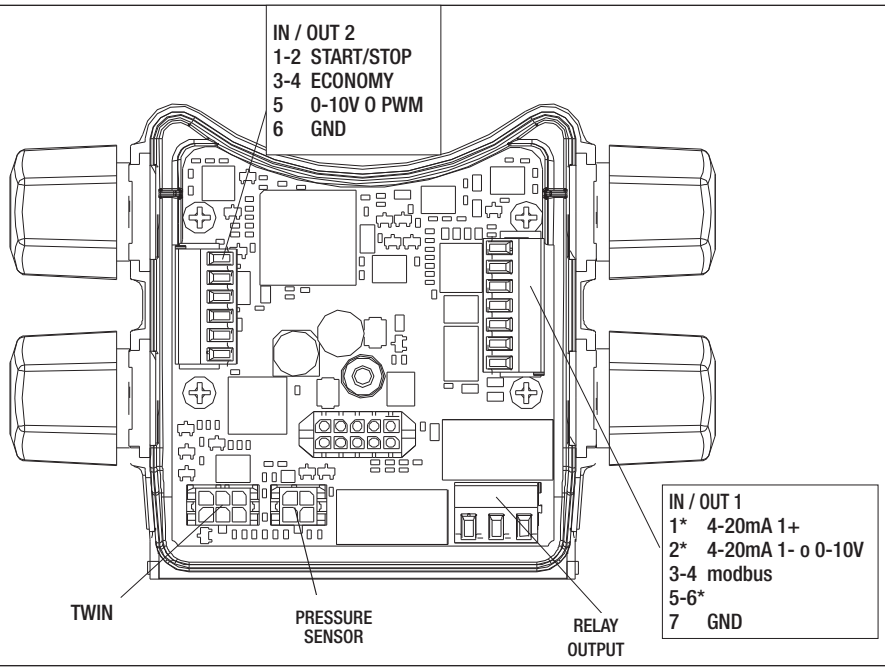
CIRCULATORS AND IN-LINE PUMPS

REMOTE CONTROL MODULE	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**EVOPLUS SMALL BASIC MODULE**	60152883	EVOPLUS SMALL (All models) EVOPLUS SMALL SAN (All models)	0,5
	EVOPLUS SMALL MULTI-FUNCTION MODULE **(for versions with serial number N.1 and N.2)**	60152884	EVOPLUS SMALL (All models) EVOPLUS SMALL SAN (All models) Supplied with Evoplus Small Twin models	0,5
	EVOPLUS SMALL MULTI-FUNCTION MODULE **(for versions with serial number N.3)**	60201083	EVOPLUS SMALL (All models) EVOPLUS SMALL SAN (All models) Supplied with Evoplus Small Twin models	0,5

BASIC MODULE



MULTI-FUNCTION MODULE



ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

FLANGE KIT*	DESCRIPTION	CODE	MODEL	WEIGHT KG
 	**PN 10 DN 32 FLANGE KIT**	60153288	EVOPLUS SMALL (All models)	4,7
			EVOPLUS (All models)	
	DN 32 PN 10 AISI 304 FLANGE KIT	60153296	EVOPLUS SMALL SAN (All models)	4,7
			EVOPLUS SAN (All models)	
	DN40 PN 10 FLANGE KIT	547121400	EVOPLUS SMALL (All models)	2,4
			EVOPLUS (All models)	
			KLPE 40/600 - DKLPE 40/60 KLPE 40/1200 - DKLPE 40/1200	
			KLM 40/300 - DKLM 40/300 KLP 40/600 - DKLP 40/600 KLP 40/900 - DKLP 40/900 KLP 40/1200 - DKLP 40/1200	
			B 50/250.40 - B 56/250.40 - B 80/250.40 D 50/250.40 - D 56/250.40 - D 80/250.40	
			BMH-BPH WITH PUMP COUPLINGS DN 40	
	DN 40 PN 10 AISI 304 FLANGE KIT	60153297	EVOPLUS SMALL SAN (All models)	2,5
			EVOPLUS SAN (All models)	
	DN50 PN 10 FLANGE KIT	547121410	EVOPLUS (All models)	3,2
			KLME50/600 - DKLME 50/600 KLPE 50/1200 - DKLPE 50/1200	
			KLM 50/300 - DKLM 50/300 KLM 50/600 - DKLM 50/600 KLP 50/900 - DKLP 50/900 KLP 50/1200 - DKLP 50/1200	
			BMH-BPH WITH PUMP COUPLINGS DN 40	
	DN 50 PN 10 AISI 304 FLANGE KIT	60153298	EVOPLUS SAN (All models)	3
	DN65 PN 10 FLANGE KIT	547121420	EVOPLUS (All models)	4,0
			KLME 65/600 - DKLME 65/600 KLPE 65/1200 - DKLPE 65/1200	
			KLM 65/300 - DKLM 65/300 KLM 65/600 - DKLM 65/600 KLP 65/900 - DKLP 65/900 KLP 65/1200 - DKLP 65/1200	
			BMH-BPH WITH PUMP COUPLINGS DN 40	
	DN 65 PN 10 AISI 304 FLANGE KIT	60153299	EVOPLUS SAN (All models)	4
	DN80 PN 10 FLANGE KIT	547121430	EVOPLUS (All models)	4,8
			BPH - DPH (All models)	
			KLME 80/600 - DKLME 80/600 KLPE 80/1200 - DKLPE 80/1200	
			KLM 80/300 - DKLM 80/300 KLM 80/600 - DKLM 80/600 KLP 80/900 - DKLP 80/900 KLP 80/1200 - DKLP 80/1200	
			BMH-BPH WITH PUMP COUPLINGS DN 40	
	DN100 PN 10 FLANGE KIT	60153289	EVOPLUS (All models)	4,3
	DN 40 - PN 16 FLANGE KIT	109620040	CME 40 - CPE 40 - CM - CP 40	5,3
	DN 50 - PN 16 FLANGE KIT	109620050	CME 50 - CPE 50 - CM - CP 50	6,3
	DN 65 - PN 16 FLANGE KIT	109620060	CME 65 - CM-GE 65 - CP-GE 65 - CM 65 - CP 65	7,5
	DN 80 PN 16 FLANGE KIT	109620080	EVOPLUS (All models)	9,5
			CM-GE 80 - CP-GE 80 - CM 80 - CP 80	
	DN 100 PN 16 FLANGE KIT	109620100	EVOPLUS (All models)	10,9
			CM-GE 100 - CP-GE 100 - CM 100 - CP 100	
	DN 125 - PN 16 FLANGE KIT	109620120	CM-GE 125 - CP-GE 125 - CM 125 - CP 125	14,5
	DN 150 - PN 16 FLANGE KIT	109620150	CM-GE 150 - CP-GE 150 -CM 150 - CP 150	18,6

* The counterflange kit comprises: two counterflanges, nuts and bolts.

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

BASE KIT	DESCRIPTION	CODE
	MEDIUM BASE KIT	60199816
	LARGE BASE KIT	60199817

SELECTION TABLE

MODEL	CODE	PUMP MODEL	CODE
MEDIUM BASE KIT	60199816	CM-G 65- 540/A/BAQE/0.37	1D4111G1C
		CM-G 65- 660/A/BAQE/0.55	1D4111G2C
		CM-G 65- 420/A/BAQE/0.25	1D4111GXC
		CM-G 65- 540/B/BAQE/0.37	1D4121G1C
		CM-G 65- 420/B/BAQE/0.25	1D4121GXC
		CM-G 65- 760/A/BAQE/0.55	1D4211G2C
		CM-G 65- 920/A/BAQE/0.75	1D4211G3W
		CM-G 65-1080/A/BAQE/1.1	1D4311G4W
		CM-G 65-1200/A/BAQE/1.5	1D4311G5W
		CM-G 65-1530/A/BAQE/2.2	1D4311G6W
		CM-G 65-1680/A/BAQE/3	1D4311G7X
		CM-G 65-2380/A/BAQE/4	1D4411G8X
		CM-G 80- 550/A/BAQE/0.55	1D5111G2C
		CM-G 80- 650/A/BAQE/0.75	1D5111G3W
		CM-G 80- 740/A/BAQE/1.1	1D5211G4W
		CM-G 80- 890/A/BAQE/1.5	1D5211G5W
		CM-G 80-1050/A/BAQE/2.2	1D5211G6W
		CM-G 80-1530/A/BAQE/3	1D5311G7X
		CM-G 80-1700/A/BAQE/4	1D5311G8X
		CM-G 100- 510/A/BAQE/0.75	1D6111G3W
		CM-G 100- 650/A/BAQE/1,1	1D6111G4W
		CM-GE 65- 660/A/BAQE/0.55 M MCE11/C	60206461
		CM-GE 65-1680/A/BAQE/3 T MCE30/C	60191979

MODEL	CODE	PUMP MODEL	CODE
MEDIUM BASE KIT	60199816	CM-GE 65- 660/A/BAQE/0.55 M MCE11/C	60206461
		CM-GE 65-1680/A/BAQE/3 T MCE30/C	60191979
		CP-G 65-2640/A/BAQE/4	1D4111G8V
		CP-G 65-3400/A/BAQE/5.5	1D4211G9V
		CP-G 65-4100/A/BAQE/7.5	1D4211GAV
		CP-G 65-4700/A/BAQE/11	1D4311GBV
		CP-G 65-5500/A/BAQE/15	1D4311GCV
		CP-G 65-6150/A/BAQE/18.5	1D4311GDV
		CP-G 65-7350/A/BAQE/22	1D4411GEV
		CP-G 65-9250/A/BAQE/30	1D4411GFV
		CP-G 80-1400/A/BAQE/2.2	1D5111G6U
		CP-G 80-1700/A/BAQE/3	1D5111G7V
		CP-G 80-2050/A/BAQE/4	1D5111G8V
		CP-G 80-2400/A/BAQE/5.5	1D5111G9V
		CP-G 80-2770/A/BAQE/7.5	1D5211GAV
		CP-G 80-3250/A/BAQE/11	1D5211GBV
		CP-G 80-4000/A/BAQE/15	1D5211GCV
		CP-G 80-5150/A/BAQE/18.5	1D5311GDV
		CP-G 80-5650/A/BAQE/22	1D5311GEV
		CP-G 80-6850/A/BAQE/30	1D5311GFV
		CP-G 100-1600/A/BAQE/4	1D6111G8V
		CP-G 100-1950/A/BAQE/5.5	1D6111G9V
		CP-G 100-2350/A/BAQE/7.5	1D6111GAV

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

MODEL	CODE	PUMP MODEL	CODE
LARGE BASE KIT	60199817	CM-G 100- 660/A/BAQE/1,5	1D6211G5W
		CM-G 100- 865/A/BAQE/2,2	1D6211G6W
		CM-G 100-1020/A/BAQE/3 IE3 230-400/50	1D6211G7W
		CM-G 100-1320/A/BAQE/4	1D6311G8X
		CM-G 100-1650/A/BAQE/5,5	1D6311G9X
		CM-G 125-1075/A/BAQE/4	1D7311G8X
		CM-G 125-1270/A/BAQE/5.5	1D7311G9X
		CM-G 125-1560/A/BAQE/7.5	1D7311GAX
		CM-G 125-1075/A/BQQV/4	1D7315G8X
		CM-G 80-2410/A/BAQE/5.5	1D5411G9X
		CM-G 80-3420/A/BAQE/11	1D5511GBX
		CM-G 80-3420/B/BAQE/11	1D5521GBX
		CM-G 100-2050/A/BAQE/7,5	1D6411GAX
		CM-G 100-2550/A/BAQE/11	1D6411GBX
		CM-G 100-2550/B/BAQE/11	1D6421GBX
		CM-G 100-3680/A/BAQE/18,5	1D6511GDX
		CM-G 100-4100/A/BAQE/22	1D6511GEX
		CM-G 100-4100/B/BAQE/22	1D6521GEX
		CM-G 125-2100/A/BAQE/11	1D7411GBX
		CM-G 125-2550/A/BAQE/15	1D7411GCX
		CM-G 125-3200/A/BAQE/18.5	1D7511GDX
		CM-G 125-3600/A/BAQE/22	1D7511GEX
		CM-G 125-4022/A/BAQE/30	1D7511GFX
		CM-G 125-2100/B/BAQE/11	1D7421GBX
		CM-G 125-2550/B/BAQE/15	1D7421GCX
		CM-G 125-3600/B/BAQE/22	1D7521GEX
		CM-G 150- 955/A/BAQE/5.5	1D8411G9X
		CM-G 150-1322/A/BAQE/7.5	1D8411GAX
		CM-G 150-1600/A/BAQE/11	1D8411GBX
		CM-G 150-1950/A/BAQE/15	1D8411GCX
		CM-G 150-2200/A/BAQE/18.5	1D8411GDX
		CM-G 150-2405/A/BAQE/22	1D8411GEX

MODEL	CODE	PUMP MODEL	CODE
LARGE BASE KIT	60199817	CP-G 65-1470/A/BAQE/1.5	1D4111G5U
		CP-G 65-1900/A/BAQE/2.2	1D4111G6U
		CP-G 65-2280/A/BAQE/3	1D4111G7V
		CP-G 80-8600/A/BAQE/37	1D5411GGV
		CP-G 80-9600/A/BAQE/45	1D5411GHV
		CP-G 80-10200/A/BAQE/55	1D5511GKV
		CP-G 100-2400/A/BAQE/11	1D6211GBV
		CP-G 100-3050/A/BAQE/15	1D6211GCV
		CP-G 100-3550/A/BAQE/18.5	1D6211GDV
		CP-G 100-3850/A/BAQE/22	1D6211GEV
		CP-G 100-4800/A/BAQE/30	1D6311GFV
		CP-G 100-5600/A/BAQE/37	1D6311GGV
		CP-G 100-6300/A/BAQE/45	1D6311GHV
		CP-G 100-8300/A/BAQE/55	1D6411GKV
		CP-G 125-4750/A/BAQE/37	1D7311GGV
		CP-G 125-5300/A/BAQE/45	1D7311GHV
		CP-G 125-5800/A/BAQE/55	1D7311GKV

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

BLANK FLANGE KIT	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**DN 40 BLANK FLANGE KIT**	161050160	BMH-BPH (STD. FEATURE IN THE TWIN VERSION)	-
	BLANK FLANGE KIT	161050170	BMH-BPH (STD. FEATURE IN THE TWIN VERSION)	-
	DN32 PN 10 BLANK FLANGE KIT - EVOPLUS S (STD. FEATURE IN THE TWIN VERSION)	60153741	EVOPLUS SMALL	4,7
	DN 32 PN 10 AISI 304 BLANK FLANGE KIT - EVOPLUS M&L (STD. FEATURE IN THE TWIN VERSION)	60164747	EVOPLUS MEDIUM & LARGE SAN	4,7

COMPENSATION KIT (FOR EVOPLUS)	DESCRIPTION	CODE	MODEL	WEIGHT KG
	**COMPENSATION KIT FOR DN40 (30MM)**	60153181	EVOPLUS (all models DN40)	2,5
	COMPENSATION KIT FOR DN50 (40MM)	60153182	EVOPLUS (all models DN50)	3,3

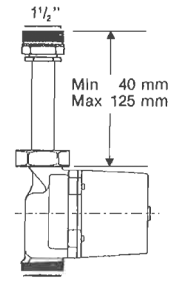
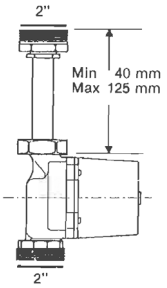
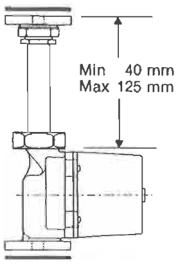
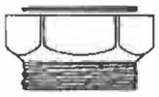
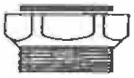
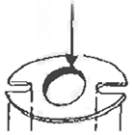
COMPENSATION KIT

AVAILABLE ON REQUEST, COMPENSATION KIT, USED TO COMPENSATE THE CENTRE DISTANCE DIFFERENCE BETWEEN OLD AND NEW MODELS.

DESCRIPTION	CODE	CM old MODEL		CM new MODEL		LENGTH
		DN	CENTRE DISTANCE	DN	CENTRE DISTANCE	
KIT N° 1	147121520	65	475	65	360	115
KIT N° 2	147121530	80	525	80	360	165
KIT N° 3	147121540				440	85
KIT N° 4	147121550				500	25
KIT N° 5	147121560	100	550	100	500	50

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

"QUICK SERVICE" ADAPTION KIT	DESCRIPTION	CODE	MODEL
	**ADAPTATION KIT A - 1 1/2" EXTENSION**	547121300	EVOSTA 2 40-70/130 - EVOSTA 2 40-70/180 EVOSTA 3 40/130 - EVOSTA 3 60/130 - EVOSTA 3 80/130 EVOSTA 3 40/180 - EVOSTA 3 60/180 - EVOSTA 3 80/180 VA 25/130 - VA 25/180 - VA 35/130 - VA 35/180 - VA 55/130 - VA 55/180 - VA 65/130 - VA 65/180
	**ADAPTATION KIT B - CONVERSION FROM 1 1/2" TO 2"**	547121310	EVOSTA 2 40-70/130 - EVOSTA 2 40-70/180 EVOSTA 3 40/130 - EVOSTA 3 60/130 - EVOSTA 3 80/130 EVOSTA 3 40/180 - EVOSTA 3 60/180 - EVOSTA 3 80/180 VA 25/130 - VA 25/180 - VA 35/130 - VA 35/180 - VA 55/130 - VA 55/180 - VA 65/130 - VA 65/180
	**ADAPTATION KIT C - CONV. FROM 1 1/2" UNION TO DN 25 -DN 32 FL.**	547121320	EVOSTA 2 40-70/130 - EVOSTA 2 40-70/180 EVOSTA 3 40/130 - EVOSTA 3 60/130 - EVOSTA 3 80/130 EVOSTA 3 40/180 - EVOSTA 3 60/180 - EVOSTA 3 80/180
	**ADAPTATION KIT E - 1 1/2" BRASS ADAPTER**	547121340	EVOSTA 3 40/180X - EVOSTA 3 60/180X - EVOSTA 3 80/180X VA 25/130 - VA 25/180 - VA 35/130 - VA 35/180 - VA 55/130 - VA 55/180 - VA 65/130 - VA 65/180 VA 25/180X - VA 35/180X - VA 55/180X - VA 65/180X
	**ADAPTATION KIT E - 1" BRASS ADAPTER**	547121350	EVOSTA 2 40-70/130 - EVOSTA 2 40-70/180 EVOSTA 3 40/130 - EVOSTA 3 60/130 - EVOSTA 3 80/130 EVOSTA 3 40/180 - EVOSTA 3 60/180 - EVOSTA 3 80/180
	**OVAL ADAP. KIT - DN 40**	547121260	EVOSTA 2 40-70/130 - EVOSTA 2 40-70/180 EVOSTA 3 40/130 - EVOSTA 3 60/130 - EVOSTA 3 80/130 EVOSTA 3 40/180 - EVOSTA 3 60/180 - EVOSTA 3 80/180
	OVAL FLANGE KIT - DN 50	547121270	EVOSTA 3 40/180X - EVOSTA 3 60/180X - EVOSTA 3 80/180X VA 25/180X - VA 35/180X - VA 55/180X - VA 65/180X

ACCESSORIES

CIRCULATORS AND IN-LINE PUMPS

1x

+

1x

+

1x

Max 8x

MODEL	
EVOPLUS	Codes available at page 70.

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
MODBUS CABLE 15 m	60188145
MODBUS CABLE 100 m	60188144

1x

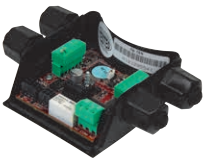
+

1x

+

1x

+



1x

Max 8x

MODEL	
EVOPLUS SMALL (SINGLE)	Codes available at page 68.

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
MODBUS CABLE 15 m	60188145
MODBUS CABLE 100 m	60188144

MODEL	CODE
MULTIFUNCTION MODULE*	60152884

* Not required for Evoplus Small in twin installation.

TECHNICAL APPENDIX

TECHNICAL APPENDIX
EVOPLUS SMALL / EVOPLUS SMALL SAN
WET ROTOR ELECTRONIC CIRCULATORS

EVOPLUS CONSTRUCTION CHARACTERISTICS FOR SMALL COLLECTIVE SYSTEMS (ELECTRONIC DEVICE).

Evoplus circulators are controlled by a latest generation NPT technology IGBT device, for better efficiency and strength. The specific features are:

- Sensorless motor control
- Sine-wave PWM modulation
- High carrier frequency, to eliminate all audio band noise
- Dedicated 32 bit processor
- Optimised "space vector" algorithm

An intuitive and functional user interface guarantees ease of calibration by all users. The easy to read OLED display on the control panel, 4 simple navigation keys, an in-line cascade menu featuring the latest mobile technology trends, and a wide range of functions, mean that Evoplus circulators are truly revolutionary products. A reliable and sturdy construction, together with a modern and innovative design, complete the product, also in terms of aesthetic value.
This range is ready for the following remote commands through expansion modules:

Base Module

- Economy mode
- Circulator start/stop
- Presence/absence of system alarms
- Pump in operation notification

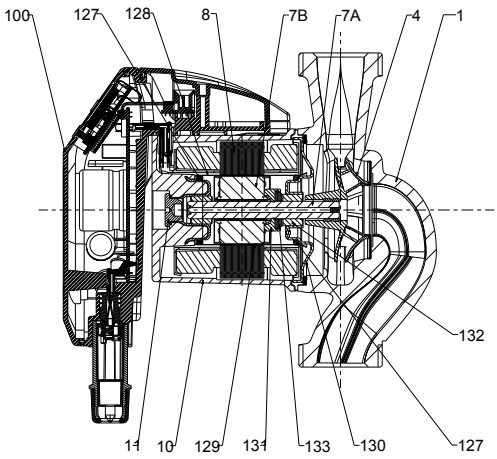
Multifunction Module*

- 2 x 0-10 V analogue signals
- 1 PWM signal
- 1 ΔT analogue signal from temperature sensor
- Connection to ModBus system management devices
  Optional LonBus with appropriate module
- Presence/absence of system alarms
- Pump in operation notification

*** Inputs available only if the associated function is active**

MATERIALS

N.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185 - CTF BRONZE (for the SAN version)
4	IMPELLER	TECHNOPOLYMER
7A	MOTOR SHAFT	ALUMINA
7B	ROTOR	STAINLESS STEEL LINER
8	STATOR	-
10	MOTOR CASING	DIE-CAST ALUMINIUM
127	SEAL RING	EPDM RUBBER
128	STATOR LINER	STAINLESS STEEL
130	CLOSING FLANGE	STAINLESS STEEL
131	THRUST RING SUPPORT	EPDM RUBBER
132	BUSHINGS	GRAPHITE



- Legend:
(example)

Electronic circulator — **EVOPLUS 40 180 X SAN M**

Maximum head (dm)
Centre distance (mm)

( ) = 1" ½ thread.
X = 2" thread.
SAN = sanitary water
M = single-phase power input

Electronic circulator — **EVOPLUS B 120 / 250. 40 SAN M**

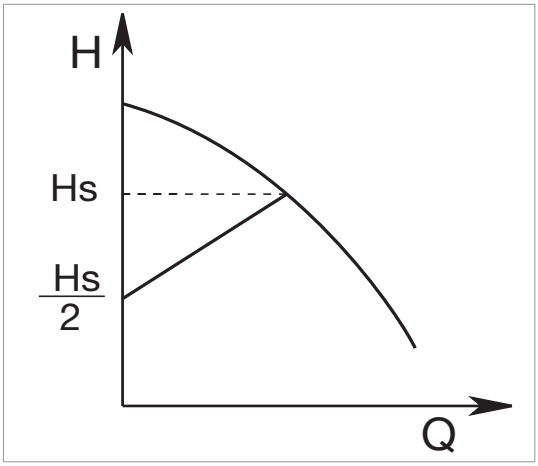
B = single circulator
D = twin circulator
Maximum head (dm)
Centre distance (mm)
(DN) nominal diameter of the flanged ports
SAN = sanitary recirculation version
M = single-phase motor

TECHNICAL APPENDIX
EVOPLUS SMALL / EVOPLUS SMALL SAN
WET ROTOR ELECTRONIC CIRCULATORS

MODES OF OPERATION
All the functions listed below can be consulted by the users (including less experienced ones) by simply scrolling through the menu. The calibration and the modification of the parameters are protected, and can only be completed by expert users. The factory settings of the Evoplus range are for proportional differential pressure control mode in the curve that ensures the best energy efficiency index (EEI).

1 - ΔP-v proportional differential pressure adjustment mode

With ΔP-v adjustment mode, with the variation of the flow rate, the value of the delivery of the head also varies in a linear manner, from Hsetp to Hsetp/2.



This adjustment is particularly indicated for the following systems:

a. Two-pipe heating systems with thermostat valves and with:
- Head greater than 4 metres;
- Very long circuit piping;
- Valves with wide operating range;
- Differential pressure regulators;
- High pressure drops in those parts of the system carrying the entirety of the water flow rate;
- Low differential pressure.

b. Under-floor central heating systems with thermostatic valves and significant pressure drops in the boiler circuit.

c. Systems with primary circuit pumps with high pressure drops.

Example of set-up of the set-point with ΔP-v

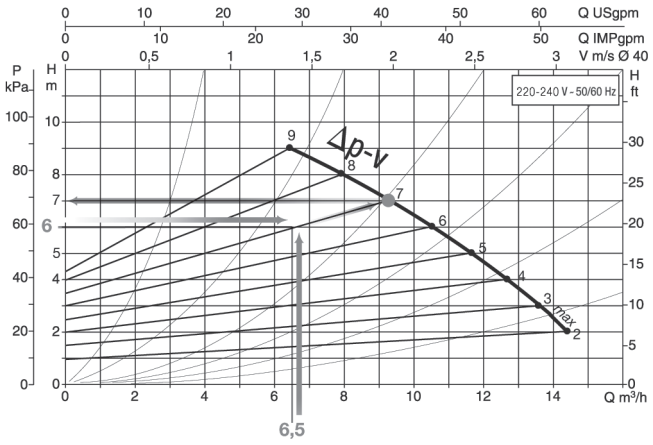
The following operating point is required:

Q = 6,5 m³/h

H = 6 m

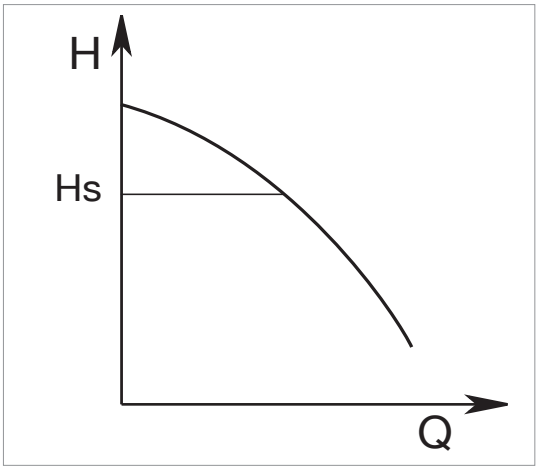
PROCEDURE:

1. In the graph, find the desired operating point, and then find the Evoplus curve closest to it (in this case the point lies precisely on the curve)
2. Follow the curve upwards until reaching the intersection with the limit curve of the circulator.
3. The head reading found at this limit point is the set-point head that must be entered to obtain the desired operating point.



2 - ΔP-c constant differential pressure adjustment mode

The ΔP-c adjustment mode keeps the differential pressure of the system constantly at the H setp value set, even in case of variation of the flow rate.



This adjustment is particularly indicated for the following systems:

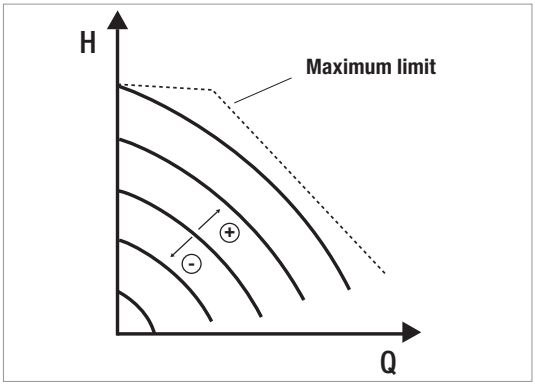
a. Two-pipe heating systems with thermostat valves and with:
- Head lower than 2 metres;
- Natural circulation;
- Low pressure drops in those parts of the system carrying the entirety of the water flow rate;
- High differential temperature (central heating).

b. Under-floor heating systems with thermostat valves

c. Single-pipe heating systems with thermostat valves and calibration valves

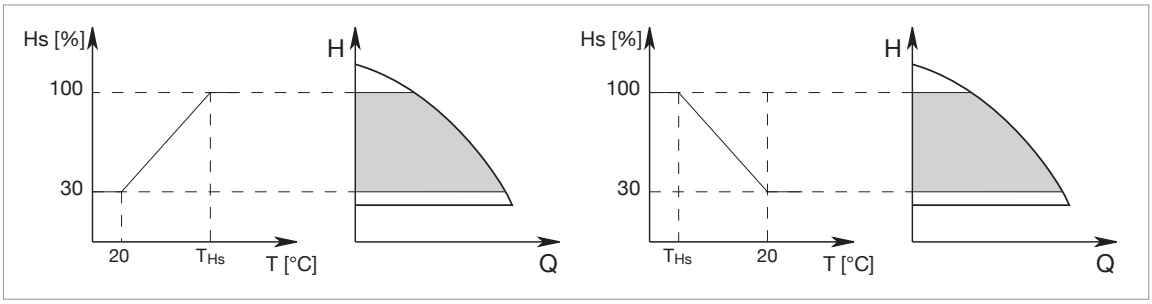
d. Systems with primary circuit pumps with low pressure drops.

3 - Constant curve adjustment modes



In this control mode, the circulator works based on constant speed characteristic curves.
The operation curve is selected by setting the rotation speed using a percentage factor.
The 100 % value indicates the maximum limit curve.
The actual rotation speed may be affected by the power and differential pressure limitations of the actual circulator model.
The rotation speed may be set using the display, or either a 0-10 V or PWM external signal, using the appropriate multifunction module.
Control mode indicated for constant flow rate heating and air conditioning systems.

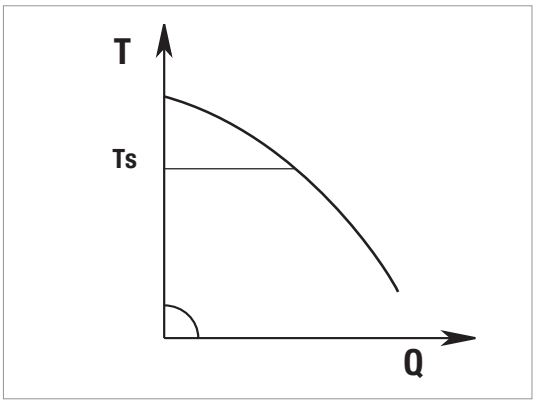
4 - Constant differential pressure control mode with proportional control based on the water temperature
(Function available with multifunction module)



The circulator head set-point is reduced in accordance with the water temperature.
The liquid temperature can be set between 0°C to 100°C.

This adjustment is particularly indicated for the following systems:
a. - in variable flow rate systems (two-pipe central heating systems), in which a further reduction of circulator performance is provided in line with the lowering of the temperature of the circulating liquid, in case of reduced heating demand.
b. - in constant flow rate systems (single-pipe and under-floor central heating systems), where the performance of the circulator can only be adjusted by activating the temperature influence function.
It is set through the Evoplus control panel.

5 - ΔT-c constant differential pressure control mode
(Function available with multifunction mode) *



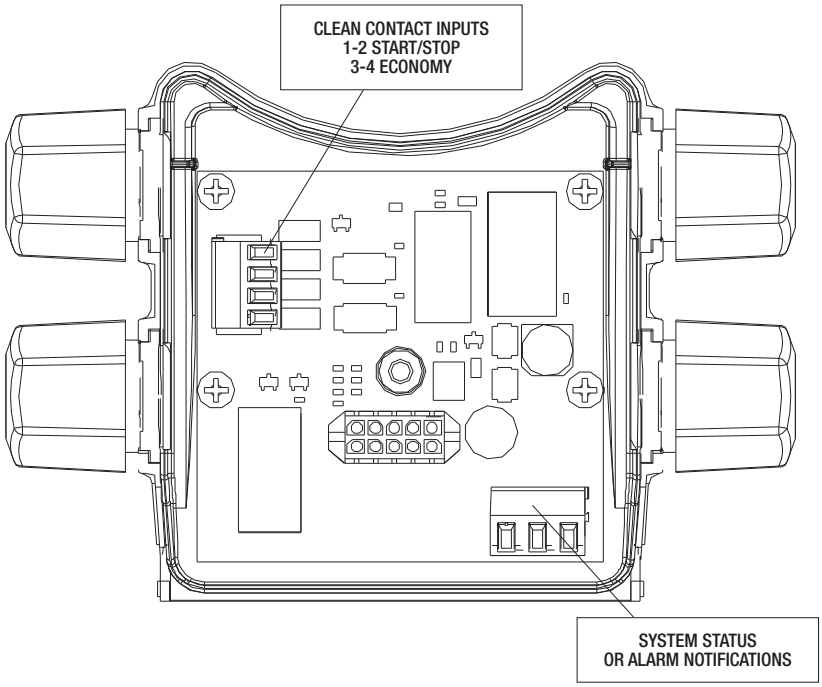
The ΔT-c control mode keeps the pumped liquid at constant temperature, changing the flow rate to the Tsetp settable value.
This adjustment is particularly indicated for the following systems:
- Under-floor heating systems.
- Systems with primary circuit pumps.
- Systems with circuit pumps with heat exchanger.
- Solar energy systems with storage tanks.
- Solar panel swimming pool heating systems.

*** Adjustment during implementation.**

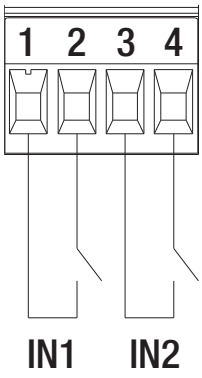
ECONOMY MODE
The economy function can be set directly on the control panel, by setting a reduction value (f.rid), the maximum value of which can be 50%.
In all the previously listed settings, the Hset value must be replaced with an Hset x f.rid.

TECHNICAL APPENDIX
EVOPLUS SMALL / EVOPLUS SMALL SAN
WET ROTOR ELECTRONIC CIRCULATORS

BASE MODULE



Digital inputs



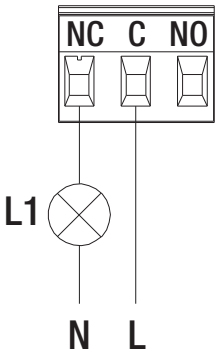
Clean contact inputs
1-2 START/STOP
3-4 ECONOMY

Input	Terminal no.	Type of contact	Associated function
IN1	1	Clean contact	**EXT:** If it is activated from the control panel, it will be possible to remotely control the switching on and off of the pump.
	2		
IN2	3	Clean contact	**Economy:** If it is activated from the control panel, it will be possible to remotely activate the set-point reduction function.
	4		

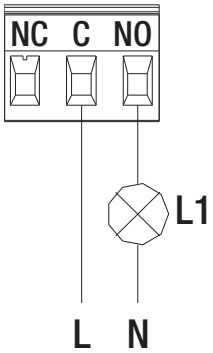
If the **EXT** and **Economy** functions have been activated using the control panel, the system will behave as follows:

IN1	IN2	System status
Open	Open	Pump stopped
Open	Close	Pump stopped
Close	Open	Pump in operation with set-point set by the user
Close	Close	Pump in operation with reduced set-point

Digital outputs
System status or alarm notifications



The function associated to OUT1 is "Alarms Present"; L1 turns on when a system alarm is present, and turns off when no fault is detected.



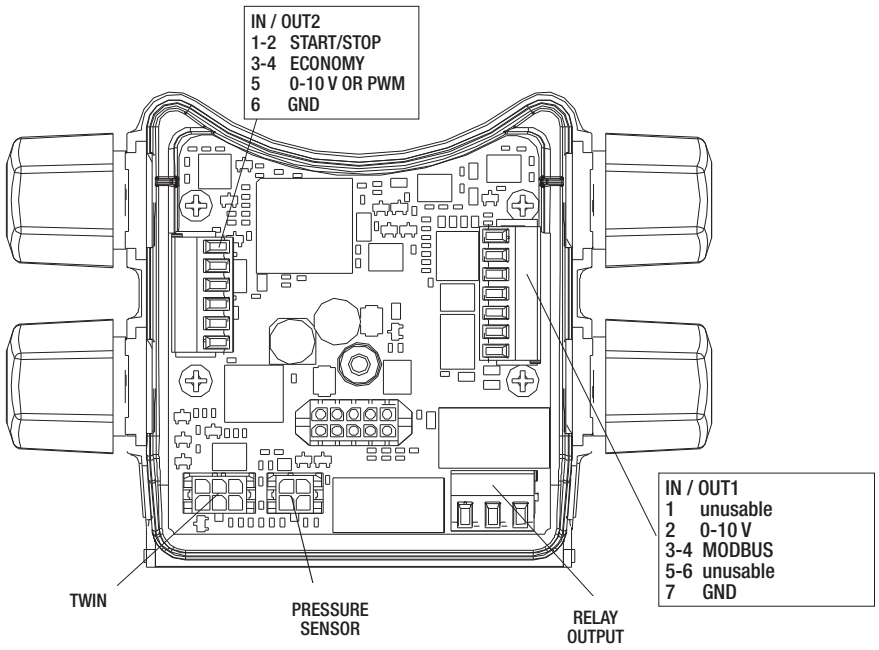
The function associated with OUT1 is "Pump Status"; L1 turns on when the pump is in operation, and stops when the pump is idle.

Out-put	Terminal no.	Type of contact	Associated function
OUT1	NC	NC	• Presence/absence of system alarms • Pump in operation/Pump stopped
	C	COM	
	NO	NO	

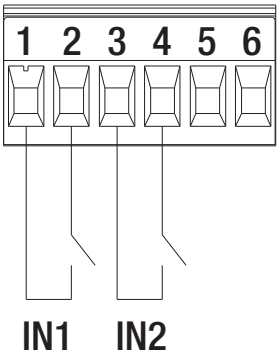
The OUT1 output is available on the 3-pole removable terminal box, where the type of contact is also shown (NC = Normally Closed, COM = Common, NO = Normally Open).

Characteristics of the output contacts	
Max sustainable voltage [V]	250
Max sustainable current [A]	5 - If resistive load 2,5 - If inductive load
Max cable section accepted [mm^2]	1,5

MULTIFUNCTION MODULE



Digital inputs



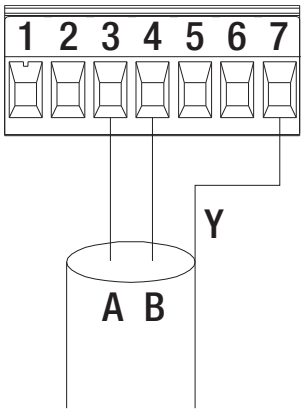
IN / OUT2
1-2 START/STOP
3-4 ECONOMY
5 0-10V, PWM and NTC
6 GND

Input	Terminal no.	Type of contact	Associated function
IN1	1	Clean contact	**EXT:** If it is activated from the control panel, it will be possible to remotely control the switching on and off of the pump.
	2		
IN2	3	Clean contact	**Economy:** If it is activated from the control panel, it will be possible to remotely activate the set-point reduction function.
	4		

If the **EXT** and **Economy** functions have been activated using the control panel, the system will behave as follows:

IN1	IN2	System status
Open	Open	Pump stopped
Open	Close	Pump stopped
Close	Open	Pump in operation with set-point set by the user
Close	Close	Pump in operation with reduced set-point

MODBUS

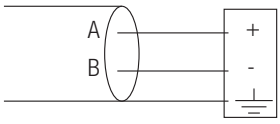


IN / OUT1
1 unusable
2 0-10 V
3-4 modbus
5-6 unusable
7 GND

The multifunction expansion module provides serial communication through an RS-485 input. The communication is established in accordance with the MODBUS specifications.
Using the MODBUS, it is possible to remotely set the circulator operating parameters, like the desired differential pressure, the control mode, etc. At the same time, the circulator can provide important information on the status of the system.

Modbus terminals	Terminal no.	Description
A	3	Terminal not inverted (+)
B	4	Terminal inverted (+)
Y	7	GND

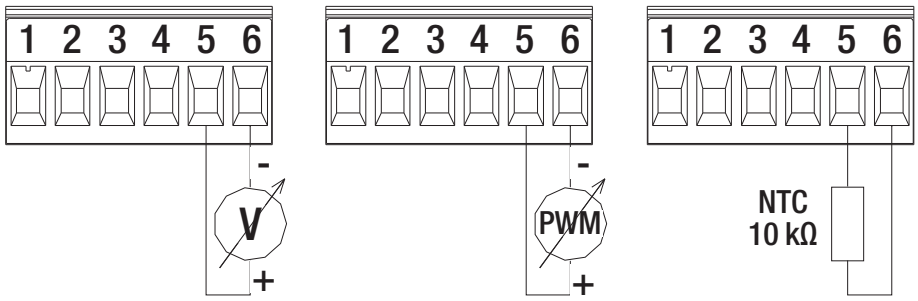
LONBUS



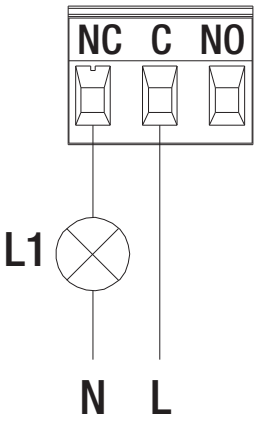
Gateway / Evoplus connection

Using some modules available on the market, the circulator, and therefore its status, can also be made available to a LonWorks network. It will then be possible to change the parameters of the circulator by reading and amending the registers as indicated in the "Modbus Protocol instruction manual", available at the following address: "http://www.dabpumps.it/evoplus".

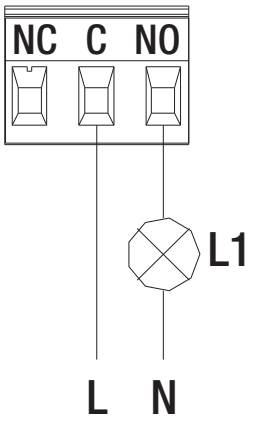
PWM AND NTC ANALOGUE INPUT



DIGITAL OUTPUTS



The function associated with OUT1 is "Pump Status"; L1 turns on when the pump is in operation, and stops when the pump is idle.



The function associated to OUT1 is "Alarms Present"; L1 turns on when a system alarm is present, and turns off when no fault is detected.

Output	Terminal no.	Type of contact	Associated function
OUT1	NC	NC	• Presence/absence of system alarms • Pump in operation/Pump stopped
	C	COM	
	NO	NO	

The OUT1 output is available on the 3-pole removable terminal box, where the type of contact is also shown (NC = Normally Closed, COM = Common, NO = Normally Open).

Characteristics of the output contacts	
Max sustainable voltage [V]	250
Max sustainable current [A]	5 - If resistive load 2,5 - If inductive load
Max cable section accepted [mm^2]	1,5

TECHNICAL APPENDIX
EVOPLUS / EVOPLUS SAN
WET ROTOR ELECTRONIC CIRCULATORS

EVOPLUS CONSTRUCTION CHARACTERISTICS COLLECTIVE SYSTEMS (ELECTRONIC DEVICE)*

Evoplus circulators are controlled by a latest generation NPT technology IGBT device, for better efficiency and strength. The specific features are:

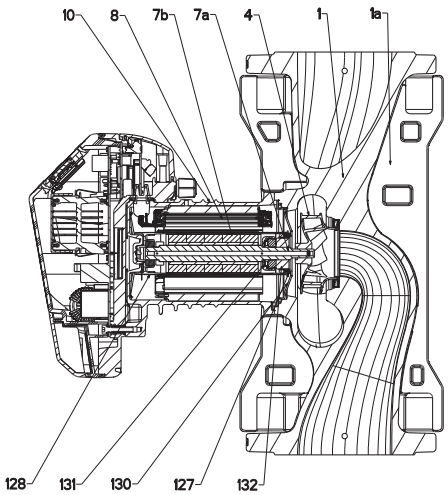
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- 2 dedicated 32 bit processors
  One for driving the motor;
  One for the user interface, enabling to perform the following functions:
  - Start/stop command
  - Economy command
  - 0-10 V analogue signal command
  - PWM signal command
  - 4-20 mA analogue signal command
  - ΔT temperature sensor signal command
  - Connection to ModBus system management devices. Optional LonBus with appropriate module.
- Optimised "space vector" algorithm
- Presence/absence of system alarms
- Pump in operation notification

*** Inputs only available if the associated function is active.**

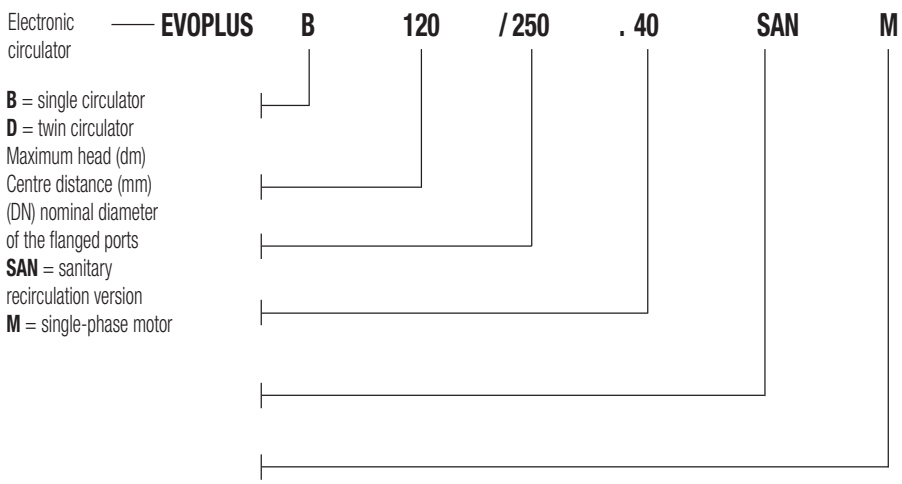
An intuitive and functional user interface guarantees ease of calibration by all users. The easy to read OLED display on the control panel, three simple navigation keys, an in-line cascade menu featuring the latest mobile technology trends, and a wide range of functions, mean that Evoplus circulators are truly revolutionary products. A reliable and sturdy construction, together with a modern and innovative design, complete the product, also in terms of aesthetic value.

MATERIALS

N.	PARTS	MATERIALS
1	PUMP BODY	CAST IRON 250 UNI ISO 185 - CTF BRONZE (for the SAN version)
4	IMPELLER	TECHNOPOLYMER
7A	MOTOR SHAFT	STAINLESS STEEL
7B	ROTOR	STAINLESS STEEL LINER
8	STATOR	-
10	MOTOR CASING	DIE-CAST ALUMINIUM
127	SEAL RING	EPDM RUBBER
128	STATOR LINER	COMPOSITE AND CARBON FIBRE
130	CLOSING FLANGE	STAINLESS STEEL
131	THRUST RING SUPPORT	STAINLESS STEEL
132	BUSHINGS	ALUMINA



- Legend:
(example)

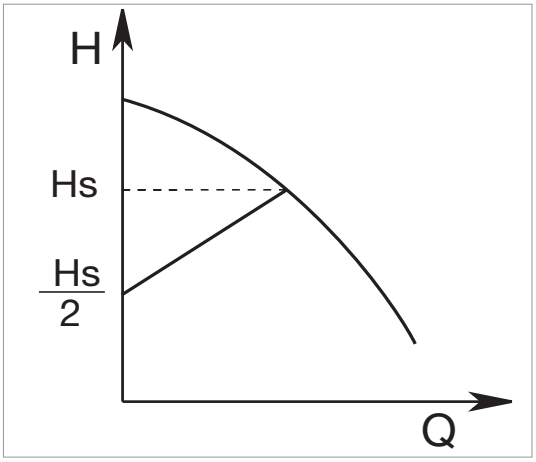


TECHNICAL APPENDIX
EVOPLUS / EVOPLUS SAN
WET ROTOR ELECTRONIC CIRCULATORS

MODES OF OPERATION
All the functions listed below can be consulted by the users (including less experienced ones) by simply scrolling through the menu. The calibration and the modification of the parameters are protected, and can only be completed by expert users. The factory settings of the Evoplus range are for proportional differential pressure control mode in the curve that ensures the best energy efficiency index (EEI).

1 - ΔP-v proportional differential pressure adjustment mode

With ΔP-v adjustment mode, with the variation of the flow rate, the value of the delivery of the head also varies in a linear manner, from Hsetp to Hsetp/2.



This adjustment is particularly indicated for the following systems:

a. Two-pipe heating systems with thermostat valves and with:
- Head greater than 4 metres;
- Very long circuit piping;
- Valves with wide operating range;
- Differential pressure regulators;
- High pressure drops in those parts of the system carrying the entirety of the water flow rate;
- Low differential pressure.

b. Under-floor central heating systems with thermostatic valves and significant pressure drops in the boiler circuit.

c. Systems with primary circuit pumps with high pressure drops.

Example of set-up of the set-point with ΔP-v

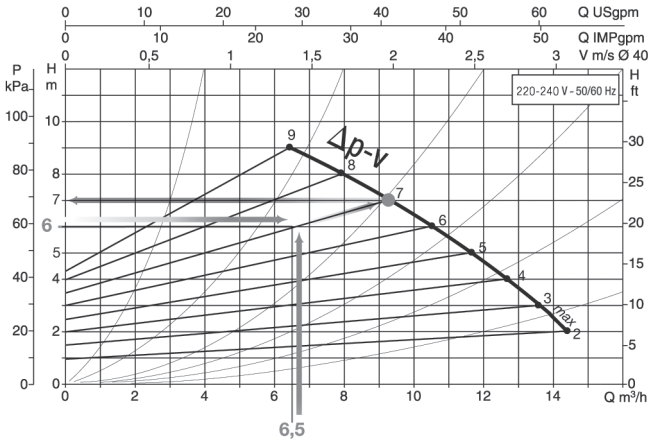
The following operating point is required:

Q = 6,5 m³/h

H = 6 m

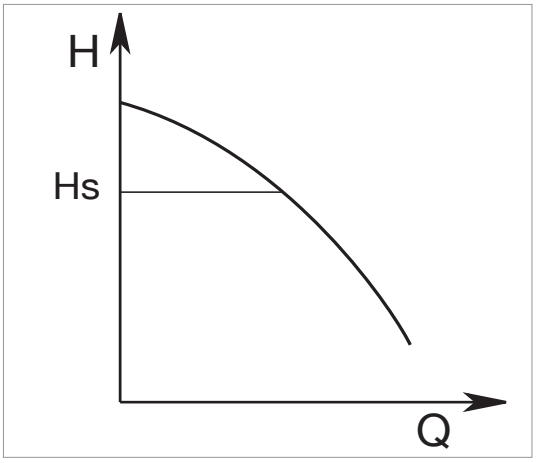
PROCEDURE:

1. In the graph, find the desired operating point, and then find the Evoplus curve closest to it (in this case the point lies precisely on the curve)
2. Follow the curve upwards until reaching the intersection with the limit curve of the circulator.
3. The head reading at this limit point is the set-point head that must be entered to obtain the desired operating point.



2 - ΔP-c constant differential pressure adjustment mode

The ΔP-c adjustment mode keeps the differential pressure of the system constantly at the H setp value set, even in case of variation of the flow rate.



This adjustment is particularly indicated for the following systems:

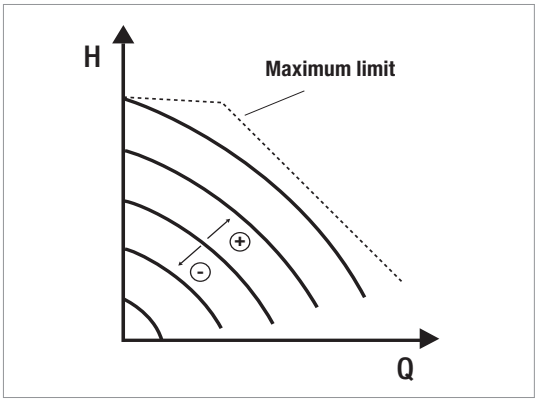
a. Two-pipe heating systems with thermostat valves and with:
- Head lower than 2 metres;
- Natural circulation;
- Low pressure drops in those parts of the system carrying the entirety of the water flow rate;
- High differential temperature (central heating).

b. Under-floor heating systems with thermostat valves

c. Single-pipe heating systems with thermostat valves and calibration valves

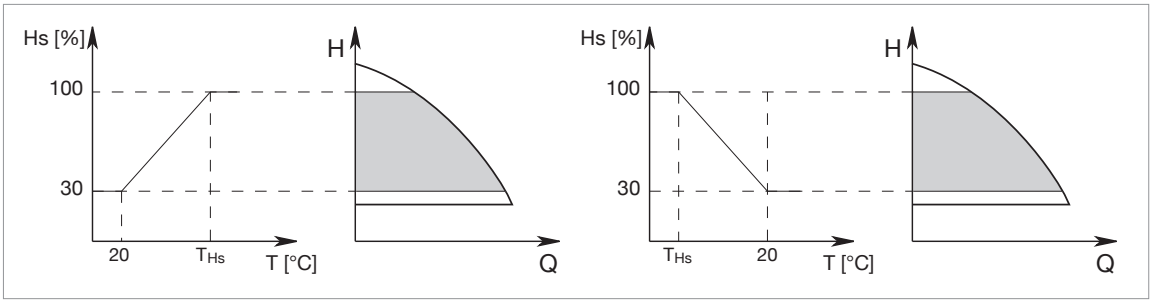
d. Systems with primary circuit pumps with low pressure drops.

3 - Constant curve adjustment modes



In this control mode, the circulator works based on constant speed characteristic curves.
The operation curve is selected by setting the rotation speed using a percentage factor.
The 100 % value indicates the maximum limit curve.
The actual rotation speed may be affected by the power and differential pressure limitations of the actual circulator model.
The rotation speed may be set using the display, or either a 0-10 V or PWM external signal.
Control mode indicated for constant flow rate heating and air conditioning systems.

4 - Constant differential pressure control mode with proportional control based on the water temperature



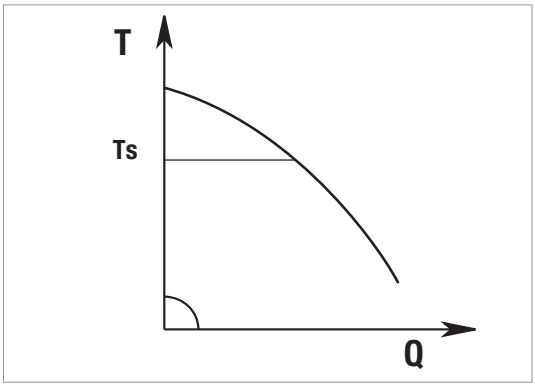
The circulator head set-point is reduced in accordance with the water temperature.
The liquid temperature can be set between 0°C to 100°C.

This adjustment is particularly indicated for the following systems:

a. - in variable flow rate systems (two-pipe central heating systems), for which a further reduction of the circulator performance levels is provided in accordance with the lowering of the temperature of the circulating liquid, in case of reduced heating demand.

b. - in constant flow rate systems (single-pipe and under-floor central heating systems), where the performance of the circulator can only be adjusted by activating the temperature influence function.
It is set through the Evoplus control panel.

5 - ΔT-c * constant differential temperature adjustment mode



The ΔT-c control mode keeps the pumped liquid at constant temperature, changing the flow rate to the Tsetp settable value.

This adjustment is particularly indicated for the following systems:

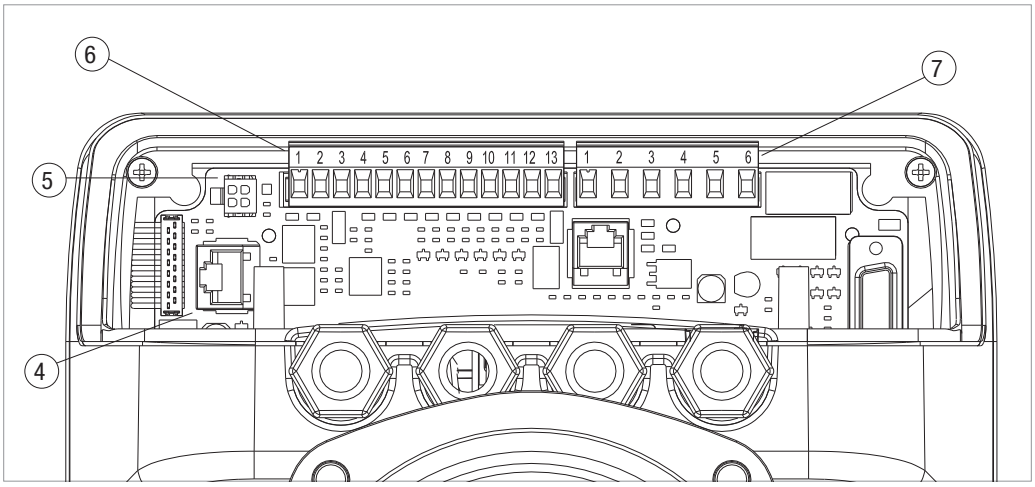
- Under-floor heating systems.
- Systems with circuit pumps with heat exchanger.
- Solar energy systems with storage tanks.
- Solar panel swimming pool heating systems.

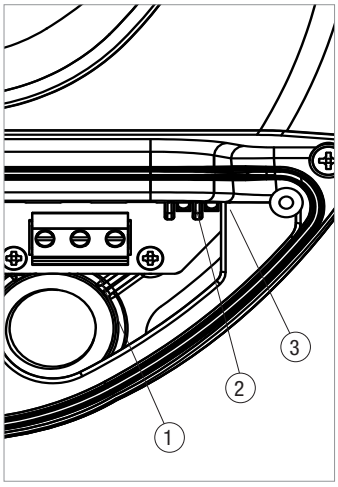
* Adjustment during implementation.

ECONOMY MODE

The economy function can be set directly on the control panel, by setting a reduction value (f.rid), the maximum value of which can be 50%. In all the previously listed settings, the Hset value must be replaced with an Hset x f.rid.

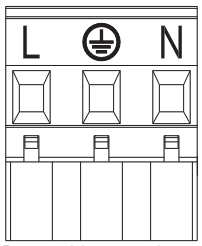
CONNECTION DIAGRAM





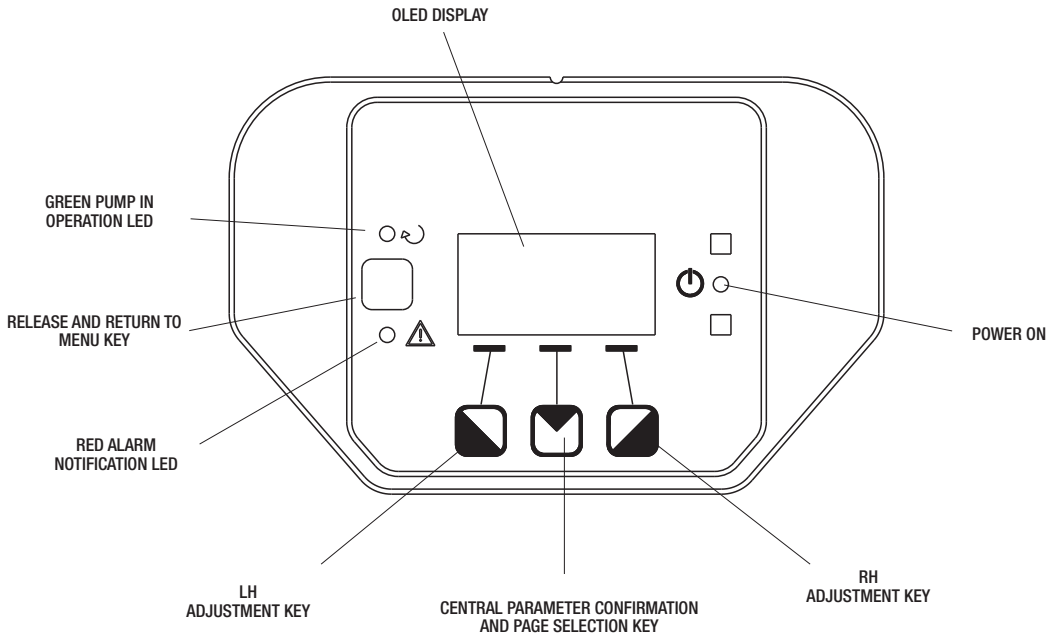
1	Removable terminal box for the connection of the power input line: 1x220-240 V, 50/60 Hz
2	Auxiliary LED
3	High voltage LED
4	Connector for twin circulators
5	Connector for pressure and temperature sensor on the circulator (as standard)
6	Removable 13-pole terminal box for the connection of MODBUS systems and inputs
7	Removable 6-pole terminal box for system status and alarm notification

POWER INPUT CONNECTION

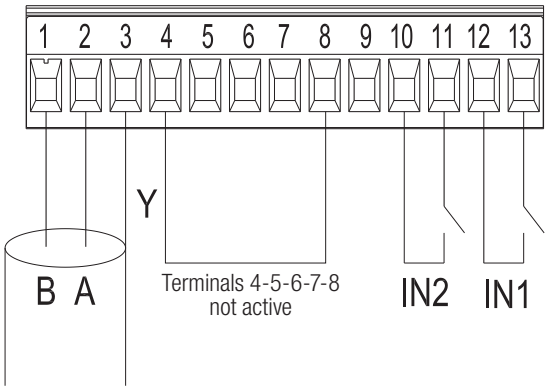


Removable power input terminal box

USER INTERFACE



Digital inputs



Input	Terminal no.	Type of contact	Associated function
IN1	12	Clean contact	**EXT:** If it is activated from the control panel, it will be possible to remotely control the switching on and off of the pump.
	13		
IN2	10	Clean contact	**Economy:** If it is activated from the control panel, it will be possible to remotely activate the set-point reduction function.
	11		

If the **EXT** and **Economy** functions have been activated using the control panel, the system will behave as follows:

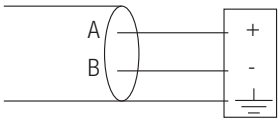
IN1	IN2	System status
Open	Open	Pump stopped
Open	Close	Pump stopped
Close	Open	Pump in operation with set-point set by the user
Close	Close	Pump in operation with reduced set-point

MODBUS

Evoplus circulators provide serial communication through an RS-485 input. The communication is established in accordance with the MODBUS specifications. Using the MODBUS, it is possible to remotely set the circulator operating parameters, like the desired differential pressure, the temperature influence, the control mode, etc. At the same time, the circulator can provide important information on the status of the system.

Modbus terminals	Terminal no.	Description
A	2	Terminal not inverted (+)
B	1	Terminal inverted (+)
Y	3	GND

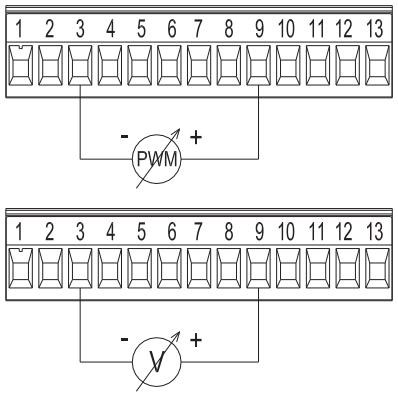
LONBUS



Gateway / Evoplus connection

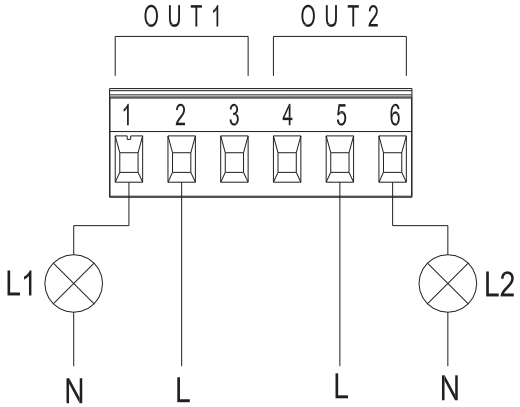
Using some modules available on the market, the circulator, and therefore its status, can also be made available to a LonWorks network. It will then be possible to change the parameters of the circulator by reading and amending the registers as indicated in the "Modbus Protocol instruction manual", available at the following address: "http://www.dabpumps.it/evoplus".

ANALOGUE AND PWM INPUT



Connection diagram for the external 0-10 V and PWM signals. The 2 signals share the same terminals of the terminal box, and therefore are mutually exclusive.

Digital outputs



Light L1 comes on when the system includes an alarm, and goes off when no faults are detected, while light L2 comes on when the pump is in operation, and goes off when the pump is stopped.

OUTPUT	TERMINAL NO.	TYPE OF CONTACT	ASSOCIATED FUNCTION
OUT1	1	NC	Presence/absence of system alarms
	2	COM	
	3	NO	
OUT2	4	NC	Pump in operation/Pump stopped
	5	COM	
	6	NO	

Outputs OUT1 and OUT2 are available on the 6-pole removable terminal box, where the type of contact is also shown (NC = Normally Closed, COM = Common, NO = Normally Open).

CHARACTERISTICS OF THE OUTPUT CONTACTS	
Max sustainable voltage [V]	250
Max sustainable current [A]	5 - If resistive load 2,5 - If inductive load
Max cable section accepted [mm^2]	1,5

INDEX - MULTISTAGE SELF-PRIMING AND CENTRIFUGAL PUMPS

JET, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS


JET


JETINOX


JETCOM

Self-priming centrifugal pump with excellent suction capacity even when there are air bubbles. Particularly suitable for water supply in domestic installations, small-scale agriculture, gardening and wherever self- priming operation is necessary.
Jet: cast iron pump body.
Jet Inox: stainless steel pump body.
Jet Com: technopolymer pump body.
Motor support in cast iron, technopolymer impeller, diffuser, Venturi tube and sand guard. Stainless steel adjustment rings.
Carbon/ceramic mechanical seal. Asynchronous motor closed and cooled by external ventilation. Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version. For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range two-poles from 0.4 to 10.5 m³/h with head up to 62 metres.

Liquid temperature range
from 0°C to +35°C for domestic use.
from 0°C to +40°C for other use.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure
6 bar (600 kPa) for Jet and Jet Com.
8 bar (800 kPa) for Jet Inox.

Protection level
IP 44 (IP 55 terminal board protection).

Insulation class F.

THREE-PHASE MOTORS			
P2	<0,75 kW	IE2
	≥0,75 kW <75 kW	IE3
	≥75 kW	IE4*

SINGLE-PHASE MOTORS			
P2	≥120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

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JET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80				
JET 62 M	60213255H	1x230 V	0,7	0,55	0,75	3,2	H (m)	42	35	29,2	25,6	22,9	21,1				1"	1"	10,5	28
JET 62 M	102660000	1X220-240 V~	0,85	0,6	0,8	3,8		42	35	29,2	25,6	22,9	21,1				1"	1"	10,5	28
JET 82 M	60213265H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1"	1"	10,7	28
JET 82 M	102660020	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	10,7	28
JET 82 T	60204049H	3X230-400 V~	0,82	0,6	0,82	2,9-1,7		47	40	34	30	26,2	23,5	20,3			1"	1"	10,7	28
JET 102 M	60212473H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	12,5	28
JET 102 M	102660040	1X220-240 V~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	12,5	28
JET 102 T	60179394	3X230-400 V~	1,03	0,75	1	3,4-2		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	12,5	28
JET 112 M	60212477H	1x230 V	1,2	0,85	1,15	5,7		61	54	47,8	42,8	38,8	34,8	20			1"	1"	13,5	28
JET 112 M	102660060	1X220-240 V~	1,4	1	1,36	6,2		61	54	47,8	42,8	38,8	34,8	20			1"	1"	13,5	28
JET 112 T	60179414H	3X230-400 V~	1,35	1	1,36	4,1-2,4		61	54	47,8	42,8	38,8	34,8	20			1"	1"	13,5	28
JET 92 M	60213269H	1x230 V	0,9	0,55	0,75	4,1		36,2	33,5	31	28,4	26	24	21,8	19,6	17	1"	1"	11,7	28
JET 92 M	102660080H	1X220-240 V~	0,94	0,75	1	4,2		36,2	33,5	31	28,4	26	24	21,8	19,6	17	1"	1"	11,7	28
JET 132 M	60212475H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	13,5	28
JET 132 M	102660100	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	13,5	28
JET 132 T	60179413H	3X230-400 V~	1,37	1	1,36	4,3-2,5		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	13,5	28

JET, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS

JET INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80				
JETINOX 82 M	60213256H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1"	1"	7,8	28
JETINOX 82 M	102640020	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	7,8	28
JETINOX 82 T	60204048	3X230-400 V~	0,86	0,6	0,8	2,8-1,6		47	40	34	30	26,2	23,5	20,3			1"	1"	7,8	28
JETINOX 102 M	60212511H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,6	28
JETINOX 102 M	102640040	1X220-240 V~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,6	28
JETINOX 102 T	60179395	3X230-400 V~	1,04	0,75	1	3,3-1,9		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,6	28
JETINOX 112 M	60212533H	1x230 V	1,2	0,85	1,15	5,7		61	54	47,8	42,8	38,8	34,8	20			1"	1"	10,6	28
JETINOX 112 M	102640060H	1X220-240 V~	1,4	1	1,36	6,2	H (m)	61	54	47,8	42,8	38,8	34,8	20			1"	1"	10,6	28
JETINOX 112 T	60179416H	3X230-400 V~	1,35	1	1,36	4,3-2,5		61	54	47,8	42,8	38,8	34,8	20			1"	1"	10,6	28
JETINOX 92 M	60213260H	1x230 V	0,9	0,55	0,75	4,1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5	1"	1"	8,8	28
JETINOX 92 M	102640080H	1X220-240 V~	0,94	0,75	1	4,2		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5	1"	1"	8,8	28
JETINOX 132 M	60212534H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,6	28
JETINOX 132 M	102640100H	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,6	28
JETINOX 132 T	60179415H	3X230-400 V~	1,43	1	1,36	4,7-2,7		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,6	28

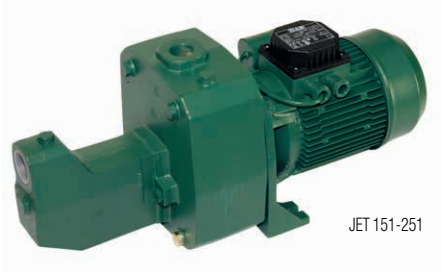
JET COM

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80				
JETCOM 62 M	60213271H	1x230 V	0,7	0,55	0,75	3,2		42	35	29,2	25,6	22,9	13				1"	1"	7,5	28
JETCOM 62 M	102670000	1X220-240 V~	0,72	0,44	0,6	3,12		42	35	29,2	25,6	22,9	13				1"	1"	7,5	28
JETCOM 82 M	60213266H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20			1"	1"	7,7	28
JETCOM 82 M	102670020	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20			1"	1"	7,7	28
JETCOM 102 M	60212474H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,5	28
JETCOM 102 M	102670040	1X220-240 V~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,5	28
JETCOM 102 T	60179396H	3X230-400 V~	1,04	0,75	1	3,3-1,9	H (m)	53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,5	28
JETCOM 92 M	60213272H	1x230 V	0,9	0,55	0,75	4,1		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5	1"	1"	8,7	28
JETCOM 92 M	102670080	1X220-240 V~	0,94	0,75	1	4,2		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5	1"	1"	8,7	28
JETCOM 132 M	60212525H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,5	28
JETCOM 132 M	102670100	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,5	28
JETCOM 132 T	60179417H	3X230-400 V~	1,43	1	1,36	4,7-2,7		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	10,5	28

JET, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS

JET 200...251



JET 151-251

JET 200-300

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2	9	9,6	10,5				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	100	120	150	160	175				
JET 151 M	60211567	1x230 V	1,41	1,1	1,5	6,3		61	58,2	56	53	50	46	43	36							1 ¼"	1 "	31	18
JET 151 M	102160062	1X220-240 V~	1,6	1,1	1,5	7,2		61	58,2	56	53	50	46	43	36							1 ¼"	1 "	31	18
JET 151 T	60179886	3X230-400 V~	1,56	1,1	1,5	5,5-3,2		61	58,2	56	53	50	46	43	36							1 ¼"	1 "	31	18
JET 200 M	60211843	1x230 V	2,01	1,1	1,5	9,07		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1 ½"	1 ¼"	27,1	18
JET 200 M	102160142	1X220-240 V~	2,0	1,5	2	9		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1 ½"	1 ¼"	27,1	18
JET 200 T	60179888	3X230-400 V~	2,1	1,5	2	6,4-3,7		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1 ½"	1 ¼"	27,6	18
JET 251 M	60211842	1x230 V	2,21	1,1	1,5	10	H (m)	62	60	58	56	54	51	48,5	46	43,5	39	34,2				1 ¼"	1 "	35	15
JET 251 M	102160092	1X220-240 V~	2,2	1,85	2,5	10		62	60	58	56	54	51	48,5	46	43,5	39	34,2				1 ¼"	1 "	35	15
JET 251 T	60179885	3X230-400 V~	2,1	1,85	2,5	6,4-3,7		62	60	58	56	54	51	48,5	46	43,5	39	34,2				1 ¼"	1 "	30,8	18
JET 300 M	60211911	1x230 V	2,58	1,8	2,45	11,6		51			48	47	46	44,5	43	42	40	37	33	32	29	1 ½"	1 ¼"	31,5	15
JET 300 M	102160162	1X220-240 V~	2,7	2,2	3	12		51			48	47	46	44,5	43	42	40	37	33	32	29	1 ½"	1 ¼"	31,5	15
JET 300 T	60179887	3X230-400 V~	2,5	2,2	3	7,4-4,3		51			48	47	46	44,5	43	42	40	37	33	32	29	1 ½"	1 ¼"	31,5	18

DP

PUMPS FOR DEEP SUCTION

DP 82, 102

DP 151, 251

Self-priming centrifugal pump for suction up to 27 metres, reached by means of an ejector.
Cast iron pump body and motor support.
Technopolymer impeller and diffusers.
Stainless steel adjustment rings.
Carbon/ceramic mechanical seal.
Cast iron ejector body, technopolymer Venturi tube and brass nozzle.
Asynchronous motor closed and cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version.
For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range from 0.15 to 4.3 m^3/h.

Liquid temperature range
from 0°C to +40°C for other uses.
from 0°C to +35°C for domestic use.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure
6 bar (600 kPa) for DP 82 - DP 102.
8 bar (800 kPa) for DP 151 - DP 251.

Protection level IP 44.

Insulation class F.

THREE-PHASE MOTORS			
P2	< 0,75 kW	IE2
	≥ 0,75 kW < 75 kW	IE3
	≥ 75 kW	IE4*

SINGLE-PHASE MOTORS			
P2	≥ 120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

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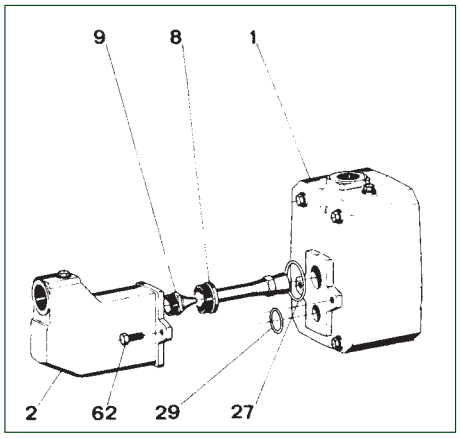
MODEL	CODE	ELECTRICAL DATA					WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A		
				kW	HP			
DP 102 M	60212479H	1x230 V	1,02	0,75	1	4,4	13	28
DP 102 M	102660880	1x220-240 V ~	0,79	0,75	1	3,8	13	28
DP 151 M	60211568	1x230 V	1,39	1,1	1,5	6,3	28	21
DP 151 M	102161042	1x220-240 V ~	1,56	1,1	1,5	7	28	21
DP 251 M	60211829	1x230 V	2,18	1,8	2,45	9,6	32,5	21
DP 251 M	102161072	1x220-240 V ~	1,84	1,85	2,5	8,3	32,5	21

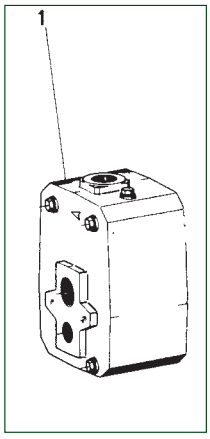
EJECTORS DP

MODEL	CODE	Q.TY X BOX
EJECTORS E 20	109200000	12
EJECTORS E 25	109200020	12
EJECTORS E 30	109200010	12

Don't provided with pump, to be ordered separately.

INSTRUCTIONS FOR CONVERSION





Conversion from DP 151, 251 to JET 151, 251
Screw the nozzle (9) into place on the ejector's body (2) and the Venturi tube (8).
Put the O-rings (27) and (29) in their respective places and fix the ejector body (2) to the pump body (1) using the two screws (62).

MODEL	CODE
EJECTOR JET 151 ASS.Y	R00009981
EJECTOR JET 251 ASS.Y	R00009983

Conversion from JET 151, 251 to DP 151, 251
Loosen and remove the two screws (62) connecting the ejector body (2) to the pump body (1).
Save the O-rings (27) and (29), the Venturi tube (8) and the nozzle (9).

MULTISTAGE CENTRIFUGAL AND SELF-PRIMING PUMPS

PERFORMANCE RANGE

DP - *DOMESTIC WATER SUPPLY*

MODEL	P2 NOMINAL		EJECTOR TYPE	SUCTION DEPTH	HYDRAULIC DATA (n ~ 2800 1/min.)											
					Delivery pressure in bar											
	kW	HP			1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7
					Capacity table in l/h											
DP 102 M - T	0,75	1	E 25	9	2386	1756	1097	515	126	–	–	–	–	–	–	–
				12	1930	1190	536	87	–	–	–	–	–	–	–	–
				15	1459	773	252	–	–	–	–	–	–	–	–	–
			E 30	12	–	1240	872	566	329	156	–	–	–	–	–	–
				15	–	1028	701	449	255	96	–	–	–	–	–	–
				18	–	785	527	302	150	15	–	–	–	–	–	–
				21	–	635	374	180	39	–	–	–	–	–	–	–
DP 151 M - T	1,1	1,5	E 20	9	–	–	–	3470	2890	2220	1500	750	–	–	–	–
				12	–	–	–	3110	2510	1850	1100	300	–	–	–	–
				15	–	–	–	2710	2100	1380	640	–	–	–	–	–
				18	–	–	–	2360	1700	950	–	–	–	–	–	–
			E 25	15	–	–	–	2800	2330	1830	1350	900	520	–	–	–
				18	–	–	–	2530	2050	1550	1090	680	300	–	–	–
				21	–	–	–	2280	1800	1300	860	470	–	–	–	–
			E 30	21	–	–	–	1820	1650	1410	1160	910	700	520	–	–
				24	–	–	–	1680	1520	1260	1020	780	580	420	–	–
				27	–	–	–	1550	1360	1110	880	680	490	330	–	–
DP 251 M - T	1,85	2,5	E 20	9	–	–	–	4300	3600	2900	2180	1400	640	–	–	–
				12	–	–	–	3750	3140	2540	1700	940	–	–	–	–
				15	–	–	–	–	2780	2040	1300	500	–	–	–	–
				18	–	–	–	–	2340	1610	820	–	–	–	–	–
			E 25	15	–	–	–	–	2920	2400	1900	1400	950	570	–	–
				18	–	–	–	–	2600	2110	1620	1150	720	360	–	–
				21	–	–	–	–	2350	1850	1350	900	510	–	–	–
				24	–	–	–	–	2050	1550	1080	660	300	–	–	–
			E 30	21	–	–	–	–	–	1710	1480	1220	980	770	590	420
				24	–	–	–	–	–	1580	1330	1080	850	670	490	330
				27	–	–	–	–	–	1440	1200	950	750	560	400	250

M - T = Single-phase (M) and Three-phase (T)

GARDEN JET, GARDEN INOX, GARDEN COM

SELF-PRIMING CENTRIFUGAL PUMPS

GARDEN JET

GARDEN INOX

GARDEN COM

Portable self-priming centrifugal electropump for gardening, vegetable gardens, washing and hobbies.
Equipped with a handle for easy transport and 2-metre power cable type H07 RN-F complete with plug and switch.
Compact and easy to install, self-priming so that it can take up water from tanks, wells or streams, tolerating air bubbles and water with small particles of sand.
Garden Jet: Cast iron pump body and die-cast aluminium motor support.
Garden Com: Technopolymer pump body and die-cast aluminium motor support.
Garden Inox: Stainless steel pump body. Die-cast aluminium motor support.
Technopolymer impeller, diffuser and Venturi tube.
Stainless steel seal disc and pressure discs.
Carbon/ceramic mechanical seal.
Induction motor, closed and cooled with external ventilation.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Built-in thermal and current overload protection and a capacitor permanently in circuit.
Manufactured according to CEI 2-3 and CEI 61-69 standards (EN 60335-2-41).

Motor protection IP 44.

Terminal box protection IP 55.

Insulation class F.

Standard voltage
Single-phase 220-240 V/50 Hz.

Operating range
From 0.4 to 5.4 m³/h with head up to 54 metres.

Liquid quality requirements clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallize neutral, close to the characteristics of water.

Liquid temperature range
From 0°C to +35°C for domestic use (EN 60335-2-41).
From 0°C to +40°C for other uses.

Maximum ambient temperature +40°C.

Maximum suction depth 8 metres.

Maximum operating pressure
8 bar (800 kPa).
6 bar (600 kPa) only for technopolymer models (Jet Com).

Installation
Fixed or portable in a horizontal position.
Special executions on request: other voltages and/or frequencies.

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

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ACCESSORIES PAGE 149

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
GARDENJET 82 M	60213258H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1 "	1 "	11	28
GARDENJET 82 M	102652010	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1 "	1 "	11	28
GARDENJET 102 M	60212516H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,8	28
GARDENJET 102 M	102652020H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,8	28
GARDENJET 132 M	60212517H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1 "	1 "	13,8	28
GARDENJET 132 M	102652040H	1x220-240 V ~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1 "	1 "	13,8	28
GARDEN-INOX 82 M	60213259H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1 "	1 "	10,7	28
GARDEN-INOX 82 M	102657010	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1 "	1 "	10,7	28
GARDEN-INOX 102 M	60212518H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,5	28
GARDEN-INOX 102 M	102657020H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,5	28
GARDEN-INOX 132 M	60212519H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1 "	1 "	13,5	28
GARDEN-INOX 132 M	102657040	1x220-240 V ~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1 "	1 "	13,5	28
GARDEN-COM 62 M	60213233H	1x230 V	0,7	0,55	0,75	3,2		42,7	35	29,2	25,6	22,9	13				1 "	1 "	10,7	28
GARDEN-COM 62 M	102682000H	1x220-240 V ~	0,72	0,44	0,6	3,12		42,7	35	29,2	25,6	22,9	13				1 "	1 "	10,7	28
GARDEN-COM 82 M	60213273H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1 "	1 "	10,7	28
GARDEN-COM 82 M	102682010H	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1 "	1 "	10,7	28
GARDEN-COM 102 M	60212526H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,5	28
GARDEN-COM 102 M	102682020H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	12,5	28

H (m)

EURO, EURO INOX, EURO COM

MULTISTAGE CENTRIFUGAL PUMPS

EURO

EURO INOX

EURO COM

Multistage horizontal centrifugal pump, featuring extremely silent running suitable for domestic use for water supply and pressurisation, irrigation of gardens and vegetable gardens, and moving water in general.
Euro: pump body in 200 UNI ISO 185 cast iron.
Euro Inox: stainless steel pump body.
Euro Com: technopolymer pump body.
Motor support in die-cast aluminium, seal holder in AISI 304 steel.
Mechanical seal in carbon/ceramic.
Rotor shaft in AISI 304 steel.
Rotors, diffuser bodies and diffusers in technopolymer.
Adjustment rings in stainless steel.

Protection level of motor IP 44.
Protection level of terminal board IP 55.
Insulation class F.
Operating range from 10 to 120 l/min. with a head of up to 72 m.
Pumped liquid characteristics clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.
Liquid temperature range
From 0°C to +35°C for domestic use (EN 60335-2-41).
From 0°C to +40°C for other uses.
Maximum ambient temperature +40°C.
Maximum operating pressure 8 bar (800 kPa).
Euroinox self-priming other uses.
Maximum ambient temperature +40°C.
Maximum operating pressure 8 bar (800 kPa).
Euroinox self-priming.

THREE-PHASE MOTORS	P2		
		< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2		
	≥120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

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EURO

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2					
							Q=l/min	0	10	20	30	40	50	60	70	80	100	120					
EURO 25/30 M	60213207	1x230 V	0,58	0,55	0,75	2,8		34,4	31,7	28,3	23,5	17,5	11						3	1 "	1 "	10,7	28
EURO 25/30 M	102970000	1x220-240 V ~	0,52	0,37	0,5	2,4		34,4	31,7	28,3	23,5	17,5	11						3	1 "	1 "	10,7	28
EURO 30/30 M	60213202	1x230 V	0,71	0,55	0,75	3,2		46	42,2	37,8	31,2	23,3	14,3						4	1 "	1 "	12,7	28
EURO 30/30 M	60169377	1x220-240 V ~	0,83	0,45	0,6	3,9		46	42,2	37,8	31,2	23,3	14,3						4	1 "	1 "	12,7	28
EURO 40/30 M	60213200	1x230 V	0,84	0,45	0,6	3,8		57	52,7	47	38,8	29	17,7						5	1 "	1 "	12,8	28
EURO 40/30 M	102970040	1x220-240 V ~	0,88	0,55	0,75	3,9		57	52,7	47	38,8	29	17,7						5	1 "	1 "	12,8	28
EURO 30/50 M	60213201	1x230 V	0,87	0,45	0,6	3,9		42,5	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	11,7	28
EURO 30/50 M	102970060	1x220-240 V ~	0,880	0,55	0,75	3,9		42,5	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	11,7	28
EURO 40/50 M	60212484	1x230 V	1,11	0,85	1,15	4,8		57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	15,6	28
EURO 40/50 M	102970080	1x220-240 V ~	1,200	0,75	1	5,3	H (m)	57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	15,6	28
EURO 40/50 T	60179428	3x230-400 V ~	1,07	0,75	1	3,6-2,1		57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	15,6	28
EURO 50/50 M	60212485	1x230 V	1,31	0,85	1,15	5,7		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	16,2	28
EURO 50/50 M	102970100	1x220-240 V ~	1,480	1	1,36	6,3		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	16,2	28
EURO 50/50 T	60179426	3x230-400 V ~	1,3	1	1,36	4,1-2,4		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	16,2	28
EURO 30/80 M	60212486	1x230 V	1,12	0,85	1,15	4,7		47		46,5	45	43,5	41	38	34,5	31	23	12	4	1 "	1 "	15,6	28
EURO 30/80 M	102970140	1x220-240 V ~	1,2	0,8	1,1	5,2		47		46,5	45	43,5	41	38	34,5	31	23	12	4	1 "	1 "	15,6	28
EURO 40/80 M	60212487	1x230 V	1,31	0,85	1,15	5,5		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	16,2	28
EURO 40/80 M	102970160	1x220-240 V ~	1,48	1	1,36	6,3		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	16,2	28
EURO 40/80 T	60179422	3x230-400 V ~	1,3	1	1,36	4,1-2,4		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	16,2	28

EURO, EURO INOX, EURO COM

MULTISTAGE CENTRIFUGAL PUMPS

EURO INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2					
							Q=l/min	0	10	20	30	40	50	60	70	80	100	120					
EUROINOX 25/30 M	60213216	1x230 V	0,58	0,55	0,75	2,8		34	31,7	28,3	23,5	17,5	11						3	1 "	1 "	9,7	28
EUROINOX 25/30 M	102970200	1x220-240 V ~	0,520	0,37	0,5	2,4		34	31,7	28,3	23,5	17,5	11						3	1 "	1 "	9,7	28
EUROINOX 30/30 M	60213219	1x230 V	0,71	0,55	0,75	3,2		46	42,2	37,8	31,2	23,3	14,3						4	1 "	1 "	11,7	28
EUROINOX 30/30 M	102970220	1x220-240 V ~	0,720	0,45	0,6	3,2		46	42,2	37,8	31,2	23,3	14,3						4	1 "	1 "	11,7	28
EUROINOX 40/30 M	60213226	1x230 V	0,84	0,45	0,6	3,8		57	52,7	47	38,8	29	17,7						5	1 "	1 "	11,9	28
EUROINOX 40/30 M	102970240	1x220-240 V ~	0,880	0,55	0,75	3,9		57	52,7	47	38,8	29	17,7						5	1 "	1 "	11,9	28
EUROINOX 30/50 M	60213217	1x230 V	0,8	0,55	0,75	3,8		42	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	10,5	28
EUROINOX 30/50 M	102970260	1x220-240 V ~	0,880	0,55	0,75	3,9		42	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	10,5	28
EUROINOX 30/50 T	60204059	3x230-400 V ~	0,79	0,60	0,82	2,8-1,7		42	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	10,5	28
EUROINOX 40/50 M	60212488	1x230 V	1,11	0,85	1,15	4,8		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	14,6	28
EUROINOX 40/50 M	102970280	1x220-240 V ~	1,200	0,75	1	5,3	H (m)	58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	14,6	28
EUROINOX 40/50 T	60179419	3x230-400 V ~	1,07	0,75	1	3,6-2,1		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	14,6	28
EUROINOX 50/50 M	60212489	1x230 V	1,31	0,85	1,15	5,7		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	15,1	28
EUROINOX 50/50 M	102970300	1x220-240 V ~	1,480	1	1,36	6,3		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	15,1	28
EUROINOX 50/50 T	60179421	3x230-400 V ~	1,3	1	1,36	4,1-2,4		72	68,5	65,5	62,1	58,2	52,2	43,6	34,5	26			5	1 "	1 "	15,1	28
EUROINOX 30/80 M	60212490	1x230 V	1,12	0,85	1,15	4,7		47		46,5	45	43,5	41	38	34,5	31	23	12	4	1 "	1 "	14,6	28
EUROINOX 30/80 M	102970340	1x220-240 V ~	1,200	0,8	1,1	5,2		47		46,5	45	43,5	41	38	34,5	31	23	12	4	1 "	1 "	14,6	28
EUROINOX 30/80 T	60179423	3x230-400 V ~	1,06	0,8	1,1	3,6-2,06		47		46,5	45	43,5	41	38	34,5	31	23	12	4	1 "	1 "	14,6	28
EUROINOX 40/80 M	60212491	1x230 V	1,32	0,85	1,15	5,5		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	15,1	28
EUROINOX 40/80 M	102970360	1x220-240 V ~	1,48	1	1,36	6,3		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	15,1	28
EUROINOX 40/80 T	60179418	3x230-400 V ~	1,3	1	1,36	4,1-2,4		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	15,1	28

EURO COM

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2					
							Q=l/min	0	10	20	30	40	50	60	70	80	100	120					
EUROCOM 30/50 M	60213205	1x230 V	0,88	0,45	0,6	4		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	8,8	28
EUROCOM 30/50 M	102960060	1x220-240 V ~	0,880	0,55	0,75	3,9		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14			3	1 "	1 "	8,8	28
EUROCOM 40/50 M	60212480	1x230 V	1,11	0,85	1,15	4,8	H (m)	57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2			4	1 "	1 "	11	28
EUROCOM 40/50 M	102960080	1x220-240 V ~	1,200	0,75	1	5,3		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2			4	1 "	1 "	11	28

MULTI INOX

SELF-PRIMING HORIZONTAL MULTISTAGE PUMPS

Self-priming multistage pumps ideal for water supply in domestic and garden applications.
High performances.
Available with 3, 4, 5 **impellers in AISI 304 stainless steel**.
Materials resistant to corrosion and oxidation.
Motor with thermal overload protection.
Double insulation between motor and hydraulic section.
Optimal resistance to low temperatures.
Supplied complete with power cable and plug.

Liquid temperature range
From 0°C to +35°C (for domestic use) (EN 60335-2-41).
From 0°C to +40°C (for other uses).

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4					
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	90					
MULTI INOX 3 M	60213241	1x230 V	0,74	0,63	0,85	3,5	H (m)	33	32	30	29	27	22	19	14	10	5	3	1 "	1 "	8,8	21
MULTI INOX 3 M	60122692	1x220-240 V ~	0,80	0,55	0,75	3,7		33	32	30	29	27	22	19	14	10	5	3	1 "	1 "	8,8	21
MULTI INOX 4 M	60212400	1x230 V	0,93	0,63	0,85	4,2		45	42	38	35	31	27	22	17	12	7	4	1 "	1 "	11,3	21
MULTI INOX 4 M	60122693	1x220-240 V ~	1,00	0,75	1	4,5		45	42	38	35	31	27	22	17	12	7	4	1 "	1 "	11,3	21
MULTI INOX 5 M	60122694	1x220-240 V ~	1,25	1	1,36	5,5		59	58	56	53	49	45	38	32	25	13	5	1 "	1 "	12,5	21

JET, JET INOX, EURO INOX - M-P

CENTRIFUGAL PUMPS FITTED

EURO INOX - M-P

JET 151, 251 T-P

SINGLE-PHASE VERSION
Self-priming pump equipped with gauge, pressure switch, power supply cable with plug and three-way brass fitting for connecting to a tank.

THREE-PHASE VERSION
Self-priming electropump equipped with gauge, pressure switch, overload cutout and three-way brass fitting for connecting to a tank.

Operating range
From 0.4 to 10.5 m³/h with head up to 62 metres.

Liquid quality requirements clean, free from solid or abrasive contaminants, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

Liquid temperature range from 0°C to +35°C for domestic use (EN 60335-2-41).
For other use: from 0°C to +40°C .

Maximum ambient temperature +40°C.

Maximum operating pressure 8 bar (800 kPa).

Installation fixed in a horizontal position.

Special executions on request
Different frequencies and/or voltage.

Motor protection rating IP 44.

Terminal block protection rating IP 55.

Insulation class F.

Standard input voltage
Single phase 220/240 V - 50 Hz.
Three phase 230/400 V - 50 Hz.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2	≥ 120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

ACCESSORIES PAGE 149

JET - M-P

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2	9	9,6	10,5					
							Q=l/min	0	10	20	30	40	50	60	70	80	100	120	150	160	175					
JET 62 M-P	60213267H	1x230 V	0,7	0,55	0,75	3,2	H (m)	42	35	29,2	25,6	22,9	21,1									1"	1"	11,5	24
JET 62 M-P	102662000H	1x220-240 V ~	0,85	0,6	0,8	3,8		42	35	29,2	25,6	22,9	21,1									1"	1"	11,5	24
JET 82 M-P	60213268H	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3								1"	1"	12,1	24
JET 82 M-P	102662020H	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3								1"	1"	12,1	24
JET 102 M-P	60212521H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8								1"	1"	13,9	24
JET 102 M-P	102662040H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8								1"	1"	13,9	24
JET 132 M-P	60212523H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2						1"	1"	14,9	24
JET 132 M-P	102662100H	1x220-240 V ~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2						1"	1"	14,9	24
JET 200 M-P	60211847	1x230 V	2,01	1,1	1,5	9,07		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1½"	1¼"	27,5	9
JET 200 M-P	102162182	1x220-240 V ~	2	1,5	2	9		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1½"	1¼"	27,5	9
JET 200 T-P	60180134	3x400 V~	2	1,5	2	3,9		41			37,5	36,5	35,2	34	33	31,8	29,5	27,2	24	22,8	21,3	1½"	1¼"	28	9
JET 300 M-P	60211914	1x230 V	2,58	1,8	2,45	11,6		51			48	47	46	44,5	43	42	40	37	33	32	29	1½"	1¼"	31,5	9
JET 300 M-P	102162192	1x220-240 V ~	2,7	2,2	3	12		51			48	47	46	44,5	43	42	40	37	33	32	29	1½"	1¼"	31,5	9
JET 300 T-P	60180135	3x400 V~	2,7	2,2	3	8,5-4,9		51			48	47	46	44,5	43	42	40	37	33	32	29	1½"	1¼"	31	9
JET 151 M-P	60211569	1x230 V	1,41	1,1	1,5	6,3		61	58,2	56	53	50	46	43	36							1¼"	1"	31,5	18
JET 151 M-P	102162062	1x220-240 V ~	1,6	1,1	1,5	7,2		61	58,2	56	53	50	46	43	36							1¼"	1"	31,5	18
JET 151 T-P	60180136	3x400 V~	1,6	1,1	1,5	5,2-3		61	58,2	56	53	50	46	43	36							1¼"	1"	33	18
JET 251 M-P	60211863	1x230 V	2,21	1,1	1,5	10		62	60	58	56	54	51	48,5	46	43,5	39	34,2				1¼"	1"	36	15
JET 251 M-P	102162082	1x220-240 V ~	2,2	1,85	2,5	10		62	60	58	56	54	51	48,5	46	43,5	39	34,2				1¼"	1"	36	15
JET 251 T-P	60180137	3x400 V~	2,2	1,85	2,5	6,9-4		62	60	58	56	54	51	48,5	46	43,5	39	34,2				1¼"	1"	34	15

JET M-P, JET INOX - M-P, EURO INOX - M-P

CENTRIFUGAL PUMPS FITTED

JET INOX - M-P

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2	9	9,6	10,5				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	100	120	150	160	175				
JETINOX 82 M-P	60213261H	1x230 V	0,8	0,55	0,75	3,9	H (m)	47	40	34	30	26,2	23,5	20,3								1"	1"	13,6	18
JETINOX 82 M-P	102642020H	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3								1"	1"	13,6	18
JETINOX 102 M-P	60212535H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8								1"	1"	14,8	18
JETINOX 102 M-P	102642040H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8								1"	1"	14,8	18
JETINOX 132 M-P	60212536H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2						1"	1"	15,8	18
JETINOX 132 M-P	102642100H	1x220-240 V ~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2						1"	1"	15,8	18

EURO INOX - M-P

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	100	120				
EUROINOX 30/50 M-P	60213221	1x230 V	0,8	0,55	0,75	3,8	H (m)	42	40,2	38,2	36,2	33,8	30	24,8	19,5	14			1"	1"	11,4	12
EUROINOX 30/50 M-P	102972260	1 x 220-240 V~	0,88	0,55	0,75	3,9		42	40,2	38,2	36,2	33,8	30	24,8	19,5	14			1"	1"	11,4	12
EUROINOX 40/50 M-P	60212492	1x230 V	1,11	0,85	1,15	4,8		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			1"	1"	14,5	12
EUROINOX 40/50 M-P	102972280	1 x 220-240 V~	1,2	0,8	1,1	5,3		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			1"	1"	14,5	12
EUROINOX 30/80 M-P	60212493	1x230 V	1,12	0,85	1,15	4,7		47		46,5	45	43,5	41	38	34,5	31	23	12	1"	1"	14,5	12
EUROINOX 30/80 M-P	102972340	1 x 220-240 V~	1,2	0,75	1	5,3		47		46,5	45	43,5	41	38	34,5	31	23	12	1"	1"	14,5	12
EUROINOX 40/80 M-P	60213281	1x230 V	1,32	0,85	1,15	5,5		59		57	56	54	51	47	43,5	39	29,5	16,5	1"	1"	17,5	12
EUROINOX 40/80 M-P	102972360	1 x 220-240 V~	1,48	1	1,36	6,3		59		57	56	54	51	47	43,5	39	29,5	16,5	1"	1"	17,5	12

JET, JET INOX, EURO INOX - CONTROL-D

AUTOMATIC ON / OFF PRESSURIZATION SYSTEMS

NEW

JET - CONTROL-D

JET INOX - CONTROL-D

EURO INOX - CONTROL-D

Self-priming pumps (Jet, Jet Inox) or multi-impeller self-priming pumps (Euro Inox) suitable for domestic use for water supply and pressurization, irrigation of gardens, or movement of water in general. Automatic operation via Control-D, with integrated dry-running protection.

CONTROL-D

Electronic controller for the command and protection of domestic pumps.
Automatic on and off.
Dry-running protection with fault led signalling and automatic reset.
Possibility of manual reset via reset button.
Anti-lock function.

Flow rate (range) up to 80 l/min
Head 72 m
Type of pumped liquid clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Liquid temperature (range)
from 0 to +35°C for domestic use (EN 60335-2-41);
from 0 to +40°C for other use
Operation pressure (maximum)
6 bar (600 kPa) Jet;
8 bar (800 kPa) Jet Inox, Euro Inox.
Motor protection class
IP44 (IP55 to the terminal);
IP65 Control-D
Motor insulation class F.

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

CONTROL-D PAGE 52 | ACCESSORIES PAGE 149

JET, JET INOX - CONTROL-D

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
JET 82 M CONTROL-D 220/240/50	60213244	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20,3			1"	1"	13,9	14
JET 82 M CONTROL-D 220/240/50	60180635	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	13,9	14
JET 102 M CONTROL-D 220/240/50	60212446	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	14,1	14
JET 102 M CONTROL-D	60180636	1X220-240 V~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	14,1	14
JET 132 M CONTROL-D	60215151	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6,2	35	32,5	30	27,2	1"	1"	15,1	14
JETINOX 82 M CONTROL-D	60213252	1x230 V	0,8	0,55	0,75	3,9	H (m)	47	40	34	30	26,2	23,5	20,3			1"	1"	11,4	14
JETINOX 82 M CONTROL-D	60180638	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	11,4	14
JETINOX 112 M CONTROL-D	60212447	1x230 V	1,2	0,85	1,15	5,7		61	54	47,8	42,8	38,8	34,8	20			1"	1"	15,1	14
JETINOX 112 M CONTROL-D	60180639	1X220-240 V~	1,4	1	1,36	6,2		61	54	47,8	42,8	38,8	34,8	20			1"	1"	15,1	14
JETINOX 132 M CONTROL-D	60212448	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	15,1	14
JETINOX 132 M CONTROL-D	60180640	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	15,1	14

EURO INOX - CONTROL-D

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
EUROINOX 30/50 M CONTROL-D	60213223	1x230 V	0,8	0,55	0,75	3,8		42,5	40,2	38,2	36,2	33,8	30	24,8	19,5	14	1"	1"	16,9	14
EUROINOX 30/50 M CONTROL-D	60180632	1x220-240 V ~	0,880	0,55	0,75	3,9		42,5	40,2	38,2	36,2	33,8	30	24,8	19,5	14	1"	1"	16,9	14
EUROINOX 40/50 M CONTROL-D	60212444	1x230 V	1,11	0,85	1,15	4,8		57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19	1"	1"	16,2	14
EUROINOX 40/50 M CONTROL-D	60180633	1x220-240 V ~	1,200	0,75	1	5,3		57,5	55,3	52,8	50,1	47,1	42,7	35,8	28	19	1"	1"	16,2	14
EUROINOX 40/80 M CONTROL-D	60212445	1x220-240 V ~	1,48	1	1,36	6,5		59		57	56	54	51	47	43,5	39	1"	1"	16,7	14

JET COM, EURO INOX - CONTROL-D GSET

AUTOMATIC ON / OFF PRESSURIZATION SYSTEMS

NEW

JET COM - CONTROL-D GSET

EURO INOX - CONTROL-D GSET

Self-priming pumps (Jet Com) or multi-impeller self-priming pumps (Euro Inox) suitable for domestic uses for water supply and pressurisation, irrigation of allotments and gardens, movement of water in general.
Automatic operation via Control-D-GSET, the electronic controller for the control and protection of domestic pumps. Lock reset and anti-lock function. Allows you to set the pump restart pressure.
Silent operation (multiple turbines). Foot valve or non-return valve mandatory in intake.

Flow rate (range) up to 80 l/min
Head 72 m
Type of pumped liquid
Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral
Liquid temperature (range)
from 0°C to +35°C for domestic use (EN 60335-2-41)
from 0°C to a +40°C for other use
Operation pressure (maximum)
6 bar (600 kPa) Jet Com;
8 bar (800 kPa) Euro Inox.
Motor protection class
IP 44 (IP 55 to the terminal);
IP 65 Control-D
Motor insulation class F

CONTROL-D GSET PAGE 52
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JET COM - CONTROL-D GSET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8					
							Q=l/min	0	10	20	30	40	50	60	70	80					
JETCOM 102 M CONTROL D-GSET	60215150	1X220-240 V~	1,13	0,75	1	5,1	H (m)	53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	14,2	28
JETCOM 132 M CONTROL D-GSET	60212450	1X220-240 V~	1,49	1	1,36	6,6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	15,2	28

EURO INOX - CONTROL-D GSET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											IMPELLERS NUMBER	DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	6	7,2					
							Q=l/min	0	10	20	30	40	50	60	70	80	100	120					
EUROINOX 30/30 M CONTROL D-GSET	60213224	1x220-240 V ~	0,720	0,45	0,6	3,2	H (m)	46	42,2	37,8	31,2	23,3	14,3						4	1 "	1 "	13,3	28
EUROINOX 40/30 M CONTROL D-GSET	60213230	1x220-240 V ~	0,880	0,55	0,75	3,9		57	52,7	47	38,8	29	17,7						5	1 "	1 "	13,4	28
EUROINOX 40/50 M CONTROL D-GSET	60212449	1x220-240 V ~	1,200	0,75	1	5,3		58	55,3	52,8	50,1	47,1	42,7	35,8	28	19			4	1 "	1 "	16,2	28
EUROINOX 40/80 M CONTROL D-GSET	60216783	1x220-240 V ~	1,48	1	1,36	6,3		59		57	56	54	51	47	43,5	39	29,5	16,5	5	1 "	1 "	16,8	28

AQUAJET

SELF-PRIMING AUTOMATIC BOOSTER

Automatic water lifting units, suitable for domestic use, small installations for civil, agricultural, industrial use, washing and hobby applications.
The unit is equipped with a Jet or Jet Inox type self-priming electropump, vessel, pressure switch for automatic operation, pressure gauge, fitting kit between pump and motor, all pre-assembled.
Tank: horizontal, 20 litres capacity type, inner single diaphragm high-grade butyl membrane and virgin polypropylene liner, complete with stands at the bottom and brackets for fixing the pump to the top.

Operating range
Up to 5.4 m³/h with head up to 61 metres.

Liquid temperature range
From 0°C to +35°C for domestic use.
From 0°C to +40°C for other use.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure 8 bar (800 kPa).

Protection level
IP 44 (IP 55 terminal board protection).

Insulation class F.

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

TANK WITH 5 YEARS OF GUARANTEE

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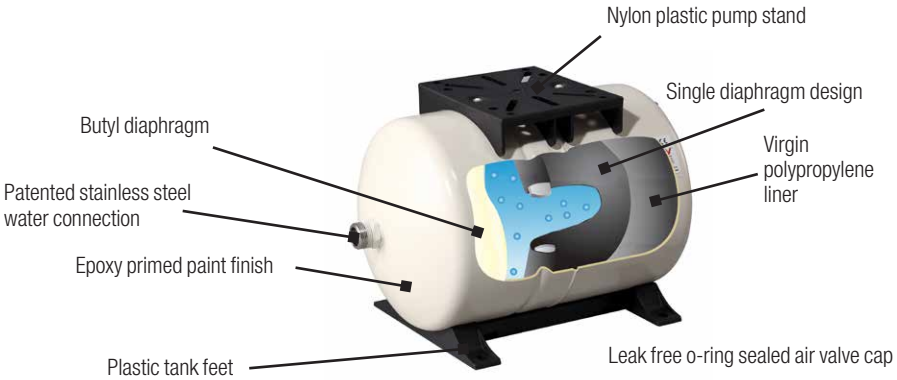
AQUAJET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
AQUAJET 82 M - G	60213195H	1x230 V	0,8	0,55	0,75	3,9	H (m)	47	40	34	30	26,2	23,5	20,3			1"	1"	18,2	12
AQUAJET 82 M - G	60121345	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	18,2	12
AQUAJET 92 M - G	60141882H	1x220-240 V ~	0,94	0,75	1	4,2		36,2	33,5	31	28,4	26	24	21,8	19,6	17,5	1"	1"	19,2	12
AQUAJET 102 M - G	60213102H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	20,0	12
AQUAJET 102 M - G	60121344	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	20,0	12
AQUAJET 112 M - G	60212429H	1x230 V	1,2	0,85	1,15	5,7		61	54	47,8	42,8	38,8	34,8	22			1"	1"	21,0	12
AQUAJET 112 M - G	60141881	1x220-240 V ~	1,4	1	1,36	6,2		61	54	47,8	42,8	38,8	34,8	22			1"	1"	21,0	12
AQUAJET 132 M - G	60212430H	1x230 V	1,37	0,85	1,15	6		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	21,0	12
AQUAJET 132 M - G	60141883	1x220-240 V ~	1,43	1	1,36	4,7-2,7		48,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	21,0	12



AQUAJET INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
AQUAJET-INOX 82 M - G	60213197H	1x230 V	0,8	0,55	0,75	3,9	H (m)	47	40	34	30	26,2	23,5	20,3			1"	1"	15,3	12
AQUAJET-INOX 82 M - G	60141884	1x220-240 V ~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20,3			1"	1"	15,3	12
AQUAJET-INOX 102 M - G	60213094H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	17,1	12
AQUAJET-INOX 102 M - G	60141885H	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	17,1	12
AQUAJET-INOX 112 M - G	60213096H	1x230 V	1,2	0,85	1,15	5,7		61	54	47,8	42,8	38,8	34,8	20			1"	1"	18,1	12
AQUAJET-INOX 112 M - G	60141886	1x220-240 V ~	1,4	1	1,36	6,2		61	54	47,8	42,8	38,8	34,8	20			1"	1"	18,1	12
AQUAJET-INOX 132 M - G	60213097H	1x230 V	1,37	0,85	1,15	6		4,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	18,1	12
AQUAJET-INOX 132 M - G	60141888	1x220-240 V ~	1,43	1	1,36	4,7-2,7		4,3	45,6	42,8	40	37,6	35	32,5	30	27,2	1"	1"	18,1	12

NBB

MOUNTING KIT FOR WATER COLLECTION AND PRESSURIZATION

NBB is the solution for a domestic pressurizing system.
The basic concept is the modularity of its components such as: the NBB TANK KIT, the submerged or the surface pump, the inverter (in case the pump is without integrated electronics) and an assembling kit including the expansion tank (where this is not integrated in the pump itself). In all its different configuration the NBB is characterized by its compact dimension, great comfort and, in the version with inverter, also by an important aspect in terms of energy saving.

NBB TANK KIT consists of:

- 280 Lt. tank suitable for potable water compliant with the European norms EN1717 e EN13077
- Equipped with Filling valve and overflow valve
- Protection grid

Choosing the ADDITIONAL TANK KIT, consisting of a 280 liter tank, the junction elbow plus gasket and a belt, it's possible to double the capacity of the system. In addition to the NBB it is necessary to chose the assembling kit corresponding to the type of pump (or pump with inverter) to be utilized. The pump to be installed, as well as the inverter, are not included in the kit and must be order separately. The installation kit comprehends all the accessories necessary for the installation of the pump (or the inverter) to the NBB TANK KIT. For the Pulsar and Euro Inox installation kits also a 4 liter expansion tank is included.

Operating range
From 10 to 120 litres/min. with head up to 72 m.

Liquid temperature range
For domestic use: from 0°C to +35°C.

Liquid quality requirements
Suitable for potable water pursuant to EN1717 and EN13077 European standards.

Maximum ambient temperature +40°C.

Max. operational pressure
8 bar (800 kPa) for surface pump configurations.

Max. inlet pressure 6 bar.

Protection rating
IP44 for surface pumps.
IP68 for submerged pumps.

Insulation class F.

WRAS APPROVED PRODUCT

D+ CONNECT PAGE 11 | AD PLUS PAGE 47 | ACCESSORIES PAGE 149

MODEL	CODE
KIT NBB WRAS TANK 280 LITRE (INCL. GRID)	60149355
KIT ACTIVE FOR NBB	60116646
KIT EUROINOX FOR NBB	60123882
KIT PULSAR FOR NBB	60116638

MODEL	CODE
KIT NBB DTRON2/DTRON3/ESYBOX DIVER	60203517
KIT ADDITIONAL TANK	60123556
KIT DIVERTRON FOR NBB	60123662

Installation kit are designed for exclusive use with pump models specified below.

TABLE OF SELECTION KIT NBB: A + B + C = NBB

A	B			C	
NBB TANK	PUMP MODEL		ACTIVE DRIVER PLUS	INSTALLATION KIT *	
 60149355 - **TANK KIT NBB** 280 Litre (including protection grid) **EXPANDABLE WITH:**  60123556 **AUXILIARY TANK KIT**		**EUROINOX M**	60149661 **AD PLUS M/M 1.1**	60123882 - **EUROINOX INSTALLATION KIT**	- Suction pipe - Fittings - Screws - Bracket for AD - Expansion tank 5 lt - Ball valve
		EUROINOX T	60169777 **AD PLUS M/T 1.0**		
		**ACTIVE EI M**		60116646 - **ACTIVE INSTALLATION KIT**	- Suction pipe - Fittings - Screws
		**DTRON 2 / DTRON 3 / ESYBOX DIVER**		60203517 - **KIT NBB DTRON2/ DTRON3/ESYBOX DIVER**	- Fittings - Screws
		**60210498 - PULSAR 50/50 M-NA**	60149661 AD M/M 1.1	60116638 - **PULSAR INSTALLATION KIT**	- Fittings - Check valve - Fixing bar pump - Bracket for AD - Ball valve - Screws - Expansion tank 5 lt
		60210510 - PULSAR 40/80 M-NA			
		60210499 - PULSAR 50/50 T-NA (3X230V)	60169777 AD M/T 1.0		
		60210511 - PULSAR 40/80 T-NA (3X230V)			
		**DIVERTRON**		60123662 - **DIVERTRON INSTALLATION KIT**	- Fittings - Screws

* All kits are supplied disassembled, provided with assembly instructions.

DAB WATER•TECHNOLOGY

ACTIVE SWITCH

RAIN WATER SYSTEM

Active Switch is a complete and pre-assembled system for using rainwater in one or two-family houses.
The system comprises a recyclable polyethylene tank, an automatic pump Active EI 30/50 M series and a three-way automatic valve assembled on suction port of the pump.
The system has been designed to be wall-mounted.
Supplied with wall bracket and float switch, with 20 mt of cable, as a standard

Working ambient temperature min +5°C - max +40°C.
Max. Flow 80 l/min.
Max. Head 42,2 m.
Liquid temperature range from +5°C up +35°C.
Max. Working pressure of the system 6 bar (600kPA).
Max. Pressure of main supply line 4 bar (400kPA).
Max. Height of working uses 15 meters.
Potable water connector 3/4".
Pump suction and delivery ports 1".

ONLY FOR EXTRA EU MARKETS

ACCESSORIES PAGE 149

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										N° IMPELLERS	DNA PUMP	DNM PUMP	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8					
							Q=l/min	0	10	20	30	40	50	60	70	80					
ACTIVE SWITCH 30/50 M	60213192	1x230 V	0,8	0,55	0,75	3,8	H (m)	42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14	4	1"	1"	18	4
ACTIVE SWITCH 30/50 M	503150100	1x220-240 V ~	0,880	0,55	0,75	3,9		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14	4	1"	1"	18	4

AQUAPROF

RAIN WATER SYSTEM

Aquaprof is a complete and pre-assembled system for using rainwater in one or two-family houses.
The system comprises a recyclable polyethylene console, a completely automatic electronic control unit, three-way automatic valve and electropump Euro Inox 30/50 M or Euro Inox 40/50 M series.
Supplied with wall bracket as a standard and float switch with 20 mt of cable for Aquaprof Basic version, or probe sensor level with 20 mt of cable for Aquaprof TOP.

Protection Level IP 42.
Working ambient temperature min. +5°C - max. +40°C.
Max. Flow 80 lt/min.
Max. Head 42,2 m. (Aquaprof 30/50). 57,7 m. (Aquaprof 40/50).
Liquid temperature range from +5°C up to +35°C.
Max. Working pressure of the system 6 bar (600kPA).
Max. Pressure of main supply line 4 bar (400kPA).
Max. Height of working uses 15 meters.
Potable water connector 3/4".
Pump suction and delivery ports 1".

ONLY FOR EXTRA EU MARKETS

ACCESSORIES PAGE 149

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,3	3,6	4,2	4,8					
							Q=l/min	0	10	20	30	40	50	55	60	70	80					
AQUAPROF BASIC 30/50	60213189	1x230 V	0,8	0,55	0,75	3,8	H (m)	42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14	3	1"	1"	28	3
AQUAPROF BASIC 30/50	503150200	1x220-240 V ~	0,88	0,55	0,75	3,9		42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14	3	1"	1"	28	3
AQUAPROF BASIC 40/50	60213076	1x230 V	1,11	0,85	1,15	4,8		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2	4	1"	1"	32	3
AQUAPROF BASIC 40/50	503150210	1x220-240 V ~	1,2	0,75	1	5,3		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2	4	1"	1"	32	3
AQUAPROF TOP 30/50	60213190	1x230 V	0,8	0,55	0,75	3,8		42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14	3	1"	1"	28	3
AQUAPROF TOP 30/50	503150300	1x220-240 V ~	0,88	0,55	0,75	3,9		42,2	40,2	38,2	36,2	33,8	30	27,5	24,8	19,5	14	3	1"	1"	28	3
AQUAPROF TOP 40/50	60213085	1x230 V	1,11	0,85	1,15	4,8		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2	4	1"	1"	32	3
AQUAPROF TOP 40/50	503150310	1x220-240 V ~	1,2	0,75	1	5,3		57,7	55,3	52,8	50,1	47,1	42,7	39,5	35,8	28	19,2	4	1"	1"	32	3

NOTES

ACCESSORIES FOR MULTISTAGE SELF-PRIMING AND CENTRIFUGAL PUMPS

ACCESSORIES

CENTRIFUGAL AND SELF PRIMING PUMPS

EXPANSION VESSELS	DESCRIPTION	CODE
TANK WITH 5 YEARS OF GUARANTEE	2 LT. TANK 10 BAR V - G	60141865
	8 LT. TANK 10 BAR V - G	60141866
	18 LT. TANK 10 BAR V - G	60141867
	18 LT. TANK 16 BAR V - G	60141868
	20 LT. TANK 10 BAR H - G	60141869
	60 LT. TANK 10 BAR H - G	60141870
	100 LT. TANK 10 BAR V - G	60141871
	310 LT. TANK 10 BAR V - G	60141872
	450 LT. TANK 10 BAR V - G	60141873

100/310/450 LITRES VERTICAL

20/60 LITRES HORIZONATL

2/8/18 LITRES VERTICAL

ACQUABOX ASSEMBLY KIT	DESCRIPTION	CODE
	FLEXIBLE PIPE KIT AQUAJET RED VESSEL 20L	547120530
	FLEXIBLE PIPE KIT AQUAJETINOX RED VESSEL 20L	547120510
	FLEXIBLE PIPE KIT AQUAJET WHITE VESSEL 20L	60126040
	FLEXIBLE PIPE KIT AQUAJETINOX WHITE VESSEL 20L / RED VESSEL 60L	547120570

ACQUABOX ASSEMBLY KIT	DESCRIPTION	CODE
	DIAPH. FOR AQUABOX V 8 LT. BUTYL	002139828
	DIAPH. FOR AQUABOX "V" 20LT. - 16 BAR BUTYL	002139833
	DIAPH. FOR AQUABOX 19-20 LT. BUTYL	002139831

MANOMETERS	DESCRIPTION	CODE
	AXIAL PRESS. GAUGE 6 BAR D.50, 1/4" COUPL.	002125051
	AXIAL PRESS. GAUGE 12 BAR D.63, 1/4" COUPL.	002126007
	RADIAL PRESS. GAUGE 12 BAR D.63, 1/4" COUPL.	002126037

PRESSURE SWITCH	DESCRIPTION	CODE
	PRESS. SWITCH 6 BAR	002716710
	PRESS. SWITCH 6 BAR - COMPLETE	60110618
	PRESS. SWITCH 12 BAR - XMP	60110619
	MIN. PRESS. SWITCH XMX A06L 1/4" F IP 43	002717002

ACCESSORIES

CENTRIFUGAL AND SELF PRIMING PUMPS

CONNECTORS	DESCRIPTION	CODE
	**3 - WAY BRASS CONNECTOR 1”**	167320100
	**5 - WAY BRASS CONNECTOR 1”**	60110862

FOOT VALVES	DESCRIPTION	CODE
 FOOT VALVE ¾”	**FOOT VALVE ¾”**	002130903
	FOOT VALVE 1”	002130904
	FOOT VALVE 1 ¼”	002130905

NON-RETURN VALVES	DESCRIPTION	CODE
 NON-RETURN VALVE ¾”	**NON-RETURN VALVE ¾”**	002130063
	NON-RETURN VALVE 1”	002130064
	NON-RETURN VALVE 1 ¼”	002130065
	NON-RETURN VALVE 1 ½”	002130066
	NON-RETURN VALVE 2”	002130007

FLEXIBLE HOSE	DESCRIPTION	CODE
	**ACTIVE FLEXIBLE HOSE FOR HYDRAULIC CONNECTION**	147120790

NOTES

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SALT WATER PUMPS

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ESWIM, EPRO

ELECTRONIC SWIMMING POOL PUMP

Electronic pumps with variable frequency drive for swimming pools and fish farms suitable for filtering salt or chlorine water in residential building service and commercial building service.
The pumps are quiet, programmable and equipped with a large inspectable pre-filter.
ESwim 150 and ESwim 150 SVRS have a 12-pin control card which makes them compatible with any control panel, both analog and digital. Lid of the pre-filter in transparent polycarbonate and in antioxidant material for an easy visual inspection. Permanent magnet synchronous motor, brushless. The motor is cooled by the pumped liquid, it is without cooling fan so the noise level is only 45 dB. Bayonet lid closure for ESwim, lid closure with wing screws for EPro. It is possible to remote control the pumps via 0-10 V, 4-20 mA and PWM signal.
Thanks to the variable frequency drive, the pumps can operate at constant speed or with constant flow (without the use of sensors) to optimize performance and minimize energy consumption. The control panel has 4 buttons with 8 programmable speeds and status and alarm signalling LEDs. There is a menu for weekly and seasonal programming. The SVRS version is equipped with a software function that disables pump suction if an obstruction is detected. "SVRS" is an acronym that means Safety Vacuum Release Systems.

SUITABLE ALSO FOR SALT WATER

Flow rate maximum
150 versions: 32 m^3/h.
300 versions: 42,6 m^3/h.

Head up to
150 versions: 16 m.
300 versions: 26 m.

Type of pumped liquid
Clean or slightly dirty water with suspended solid bodies, long fibers; particularly aggressive water with high percentages of chlorine / bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis process.

Maximum % of glycol 6,5 - 8,4.

Max. supported liquid temperature +40°C.

Maximum ambient temperature +50°C.

Maximum operating pressure bar / kPa
150 versions: 2,5 bar.
300 versions: 2,8 bar.

Class of protection
150 versions: IP 55.
300 versions: IP 56.

Motor insulation class F.

Impeller/s material Techopolimer.

ENERGY STAR | NSF Certified to NSF/ANSI Standard 50 | 40 dB

ACCESSORIES PAGE 167

ESWIM 150, EPRO 150

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m^3h	0	6	12	18	21	24	27	30				
							Q=l/min	0	100	200	300	350	400	450	500				
ESWIM 150	60194426	230 V	1,25	1,1	1,5	5,6	H (m)	15,9	15,7	14,4	12,2	10,9	9,4	7,9	6,3	2"	2"	19	8
EPRO 150	60194429	230 V	1,25	1,1	1,5	5,6		15,9	15,7	14,4	12,2	10,9	9,4	7,9	6,3	2"	2"	19	8

ESWIM 300, EPRO 300

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m^3h	0	5	10	15	20	25	30	35	40	42,6			
							Q=l/min	0	83	166	250	333	416	500	583	666	710			
ESWIM 300	60174704	230 V	2,25	1,9	2,6	10	H (m)	26	25,4	24,8	23,2	20,6	17,4	14,4	11,5	7,8	6	2"	2"	21,3	6
EPRO 300	60198406	230 V	2,25	1,9	2,6	10		26	25,4	24,8	23,2	20,6	17,4	14,4	11,5	7,8	6	2"	2"	21,3	6

SVRS VERSION

The SVRS software (Safety Vacuum Release Systems) disables the suction capacity of the pump to free a body or object trapped in the suction outlet, guaranteeing peace of mind and ease of use.

MODEL	CODE
ESWIM 150 SVRS	60194427

EUROSWIM

SWIMMING POOL CENTRIFUGAL PUMPS

SUITABLE ALSO FOR SALT WATER

High efficiency self-priming centrifugal pumps with built-in large capacity prefilter. Extremely quiet running and great reliability, developed for water circulation and filtration in domestic and residential swimming pools. Suitable also for special applications that call for handling of aggressive liquids, in fish farms, agriculture and industry. Pump body in fibreglass reinforced technopolymer. Strainer cover in clear antioxidant polycarbonate to guarantee constant visibility through time. Nylon strainer. Impeller in fibreglass-reinforced technopolymer developed to ensure total coverage and isolation of the motor shaft from the pumped liquid. Diffuser in reinforced technopolymer. Mechanical seal in carbon / alumina / NBR / AISI 316. Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304. Butterfly drain plugs that can be removed and refitted without tools.
Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and three-phase (see technical specifications). Motor casing in die cast aluminium with electrophoresic surface treatment to prevent oxidation even in aggressive environmental conditions. Baseplate supplied as standard with rubber mounts to reduce vibration transmission.
Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.

Motor and terminal box protection rating IPX5.

Insulation class F.

Ball bearings
Water-proof, sealed, resistant to water and humidity. Motor construction to EN 60335-2-41 standards.

Standard voltage Single phase 220-240V 50Hz.
Three-phase 230/400V 50Hz.

Operating range
Up to 42 m³/h with pressure head of up to 22 m.

Pumped fluid
Clean water or water slightly contaminated with suspended particulate, long fibre; highly aggressive water with high percentage contents of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolytic process.

Liquid temperature range up to 60°C.

Maximum ambient temperature +50°C

Maximum operating pressure 2,5 bar.

Installation fixed or portable in horizontal position.

Special executions on request
Alternative voltages and/or frequencies.

Fittings on request 2"/50 - 63 kit (two fittings +O-ring - see "Accessories").

Reference standard IEC – 60364.

THREE-PHASE MOTORS	P2		
		< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2		
		≥ 120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

60 dB

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNA	DNM	MAX NOISE LEVEL dB (A)	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX W	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	3	6	9	12	18	21	24	30	36	42					
							Q=l/min	0	50	100	150	200	300	350	400	500	600	700					
EUROSWIM 50 M	60213225	1x230 V	0,71	0,55	0,75	3,3		12,0	11,7	11,2	10,5	9,3	5,3						2" F	2" F	53	16	8
EUROSWIM 50 M	60118028	1x230 V	0,71	0,55	0,75	3,3		12,0	11,7	11,2	10,5	9,3	5,3						2" F	2" F	53	16	8
EUROSWIM 75 M	60212422	1x230 V	0,87	0,75	1	3,8		13,8	13,5	13,1	12,4	11,1	7,5	5					2" F	2" F	56	16,5	8
EUROSWIM 75 M	60118029	1x230 V	0,87	0,75	1	3,8		13,8	13,5	13,1	12,4	11,1	7,5	5					2" F	2" F	56	16,5	8
EUROSWIM 75 T	60179393	3x230-400 V ~	870	0,5	0,75	3.1/ 1.8		13,8	13,5	13,1	12,4	11,1	7,5	5					2" F	2" F	56	16,5	8
EUROSWIM 100 M	60212423	1x230 V	1,08	0,85	1,15	4,8		15,4	15,4	15	14,2	13,1	10,0	7,8	5,6				2" F	2" F	57	17	8
EUROSWIM 100 M	60118030	1x230 V	1,08	0,85	1,15	4,8		15,4	15,4	15	14,2	13,1	10,0	7,8	5,6				2" F	2" F	57	17	8
EUROSWIM 100 T	60179412	3x230-400 V ~	1100	0,75	1	3.8 / 2.2		15,4	15,4	15	14,2	13,1	10,0	7,8	5,6				2" F	2" F	57	17	8
EUROSWIM 150 M	60211578	1x230 V	1,43	1,1	1,5	6,4	H (m)	16,2	15,9	15,4	14,9	14,2	12,4	11,1	9,3	5,3			2" F	2" F	59	22	6
EUROSWIM 150 M	60118032	1x230 V	1,43	1,1	1,5	6,4		16,2	15,9	15,4	14,9	14,2	12,4	11,1	9,3	5,3			2" F	2" F	59	22	6
EUROSWIM 150 T	60179850	3x230-400 V ~	1500	1,1	1,5	5.4 / 3.1		16,2	15,6	15,2	14,6	13,9	12,4	11,1	9,3	5,3			2" F	2" F	59	22	6
EUROSWIM 200 M	60211827	1x230 V	1,84	1,4	1,9	8,3		18,6	18,2	17,7	17,1	16,5	15,0	14,1	12,8	9,0	4		2" F	2" F	62	24	6
EUROSWIM 200 M	60118033	1x230 V	1,84	1,4	1,9	8,3		18,6	18,2	17,7	17,1	16,5	15,0	14,1	12,8	9,0	4		2" F	2" F	62	24	6
EUROSWIM 200 T	60179849	3x230-400 V ~	1800	1,5	2	5.9 / 3.4		18,6	18,2	17,7	17,1	16,5	15,0	14,1	12,8	9,0	4		2" F	2" F	62	22	6
EUROSWIM 300 M	60211881	1x230 V	2,65	1,8	2,45	11,8		22,0	21,9	21,7	21,3	20,8	19,6	18,9	18,1	15,9	12,5	8,6	2" F	2" F	64	24,5	6
EUROSWIM 300 M	60122213	1x230 V	2,65	1,8	2,45	11,8		22,0	21,9	21,7	21,3	20,8	19,6	18,9	18,1	15,9	12,5	8,6	2" F	2" F	64	24,5	6
EUROSWIM 300 T	60179851	3x230-400 V ~	2500	2,2	3	7.8 / 4.5		22,0	21,9	21,7	21,3	20,8	19,6	18,9	18,1	15,9	12,5	8,6	2" F	2" F	64	25	6

EUROPRO HIGH FLOW

SWIMMING POOL CENTRIFUGAL PUMPS

Self-priming, high-performance centrifugal pumps, with built-in large capacity prefilter. 2 or 4 pole motor completely isolated from the water. Extremely quiet and highly reliable, developed for the circulation and filtration in large swimming pool filtration systems. Also suitable for particular applications that require handling of **seawater** thanks to the mechanical seal made of AISI 316.
Prefilter body, pump body, volute, volute cover and pump body lid are made of polypropylene, resistant to chemical products found in swimming pools and reinforced with fibreglass. Prefilter basket made of polyetylene. Prefilter lid made of transparent polycarbonate with four knobs locking system.
Closed asynchronous motor with external ventilation with 2 or 4 poles depending on the model, with a wide capacity range from 3 to 15 Hp. Terminal box with IP55 Degree of protection.

Operating range
Up to 190 m3/h with head up to 22 m.

Standard Voltage
3 x 230-400V 50 Hz up to 4 kW.
3 x 400-690V 50 Hz over 4 kW.

Insulation class F.

Temperature range of the liquid up to 40°C.

Pumped Liquid Clean or slightly dirty water or a little aggressive (PolyHexamethylene Biguanide) or water treated with chlorine electrolysis process.

Maximum ambient temperature 40°C.

Installation in horizontal position.

Special executions on request
Other frequencies and/or voltages.

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

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MODEL	CODE	ELECTRICAL DATA								HYDRAULIC DATA														DNA GAS	DNM GAS	MAX NOISE LEVEL dB (A)	KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX W	P2 NOM. kW	P2 NOM. HP	N. rpm	In A 230	In A 400	In A 690	Q=m³h	0	20	60	80	90	120	140	160	170	180	190	195						
										Q=l/min	0	333	1000	1333	1500	2000	2333	2666	2833	3000	3166	3250					
EUROPRO 350 T	60169120	3 x 230-400 V	2,97	2,2	3	1450	9,4	5,3	-	H (m)	14,7	13	6,3	2,1									110	110	51	42,5	3
EUROPRO 400 T	60169121	3 x 230-400 V	3,83	3	4	1450	12,5	6,9	-		16,5	14,9	8,5	4	1,6								110	110	52	44,5	3
EUROPRO 550 T - BR*	60169143	3 x 230-400 V	5,54	4	5,5	1450	15,3	8,8	-		14	13,5	11,8	10,4	9,5	6,3	4,1						110	110	54	53,5	2
EUROPRO 550 T	60169123	3 x 230-400 V	5,54	4	5,5	1450	15,3	8,8	-		14	13,5	11,8	10,4	9,5	6,3	4,1						110	110	54	53,5	2
EUROPRO 750 T - BR*	60169144	3 x 400-690 V	6,85	5,5	7,5	1450	-	12	7		16,2	15,6	13,8	12,4	11,5	8,65	6,47	3,5					110	110	56	66	2
EUROPRO 750 T	60169124	3 x 400-690 V	6,85	5,5	7,5	1450	-	12	7		16,2	15,6	13,8	12,4	11,5	8,65	6,47	3,5					110	110	56	66	2
EUROPRO 1000 T - BR*	60169145	3 x 400-690 V	8,26	7,5	10	1450	-	16,2	9,6		17,6	17	15,4	14,2	13,5	10,8	8,6	6,1	4,7				110	110	57	76	2
EUROPRO 1000 T	60169139	3 x 400-690 V	8,26	7,5	10	1450	-	16,2	9,6		17,6	17	15,4	14,2	13,5	10,8	8,6	6,1	4,7				110	110	57	76	2
EUROPRO 1250 T*	60169140	3 x 400-690 V	13,74	9,2	12,5	2850	-	17,9	10,1		22,4	21,5	19,4	18,1	17,4	14,7	12,6	10,3	9	7,6	5,5		110	110	58	84,5	2
EUROPRO 1500 T*	60169142	3 x 400-690 V	15,73	11	15	2850	-	19,9	11		25,5	24,5	22,4	21,3	20,6	17,4	14,8	12,1	10,6	9,1	7,4	6	110	110	59	85,5	2

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

PREFILTER

New range of cast iron prefilters complying with DIN 2501, with connection from DN 65 to DN 200.
They are provided with 3 or 4 closing knobs depending on the model, to ensure perfect sealing of the cap.
Vessel and prefilter cap in cast iron, basket in stainless steel AISI 316.
The new range of prefilters allows the use of monobloc normalised centrifugal pumps series NKM-G, NKP-G, from DN 40 to DN 150, for water circulation in large filtration systems.
The same filters can be used with normalised base pumps with joint (KDN) or with inverter MCE.

PREFILTER +PUMPS

Monobloc centrifugal pumps with joint to which a prefilter has been applied on suction to make them ideal for water circulation in large filtration systems.
The pump and prefilter are sold separately.
Single-stage spiral body in cast iron complying with DIN-EN 733 (ex DIN2455), cast iron support, flanges complying with DIN 2533.
Cast iron impeller,closed and dynamically balanced with compensation of the axial thrust through balancing holes. Pump shaft in stainless steel AISI 304, **carbon /silicon carbide mechanical seal with O-Rings in Viton.**
Closed type asynchronous motor with external ventilation, constructive shape B3/B5, with two poles for NKP and four poles for NKM.
Vessel and prefilter cap in cast iron, basket in stainless steel AISI 316.

Rotation speed 1450-2900 1/min.

Operating range
From 1 to 440 m^3/h with head up to 24 metres.

Pumped fluid Clean water or slightly dirty or slightly aggressive, on condition that in the last case the compatibility of the materials of which the pump is made is demonstrated, and that the power of the motor installed is suitable for the specific weight and viscosity of the fluid.

Range of temperature of the fluid
From -10°C to +140°C.

Maximum environment temperature +40°C.

Installation in horizontal position.

TOP Version
Bronze impeller and cataphoresis treatment.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

PREFILTERS

MODEL	CODE	DN	Kg	Volume Lts
PREFILTER 65/65	60164699	65	38,5	18
PREFILTER 80/80	60164700	80	39	18
PREFILTER 100/100	60164701	100	40,5	18
PREFILTER 125/125	60164702	125	41	18
PREFILTER 150/150	60164703	150	71	42
PREFILTER 200/200	60164704	200	72	42

NOTE: PUMP AND PREFILTER ARE SOLD SEPARATELY.
For further information, contact our sales network.

PREFILTER FIXING KIT

MODEL	CODE
PREFILTER FIXING KIT DN 65	60166309
PREFILTER FIXING KIT DN 80-100-125	60166312
PREFILTER FIXING KIT DN150-200	60166313

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

NKM-G - 4 POLES - BASIC VERSION

Cast Iron Impeller and mechanical seal with O-Rings in Viton.

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	6	12	18	24	30	36	42	48	54	60	66	72	78			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300			
NKM-G 40-200/200/A/BAQV/ 1,1 /4	1D2317B4W	3 x 230 - 400 V ~	1.1	1.5	4,68	2,7		12.5	12.5	12.3	11.2	9.7	7.7										65	40	54
NKM-G 40-200/219/A/BAQV/ 1,5 /4	1D2317B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		15.6	15.6	15.3	14.7	13.4	11.8	9.8									65	40	54
NKM-G 40-250/245/A/BAQV/ 2,2 /4	1D2417B6W	3 x 230 - 400 V ~	2.2	3	8,75	5,05		20.6	20.5	20.1	19.2	17.8	16										65	40	75
NKM-G 50-160/177/A/BAQV/ 1,5 /4	1D3217B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		10.7		10.7	10.7	10.5	10.2	9.8	9.2	8.3							65	50	46
NKM-G 50-200/210/A/BAQV/ 2,2 /4	1D3317B6W	3 x 230 - 400 V ~	2.2	3	8,75	5,05		15.3		15.3	15.2	14.8	14	13.3	12.1	10.8	9.4						65	50	69
NKM-G 50-200/219/A/BAQV/ 3/4	1D3317B7X	3 x 400 V ~	3	4	-	6,25	H (m)	16.8		16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9						65	50	65
NKM-G 50-250/263/A/BAQV/ 4/4	1D3417B8X	3 x 400 V ~	4	5.5	-	7,95		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1						65	50	79
NKM-G 65-200/210/A/BAQV/ 3/4	1D4317B7X	3 x 400 V ~	3	4	-	6,25		15.3				15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3			80	65	72
NKM-G 65-200/219/A/BAQV/ 4/4	1D4317B8X	3 x 400 V ~	4	5.5	-	7,95		17				17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6		80	65	77
NKM-G 65-250/263/A/BAQV/ 5,5 /4	1D4417B9X	3 x 400 V ~	5.5	7.5	-	10,6		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3		80	65	165

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	42	48	54	60	66	72	78	84	90	102	114	120					
			kW	HP	230V	400V	Q=l/min	0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000					
NKM-G 80-200/200/A/BAQV/ 4/4	1D5317B8X	3 x 400 V ~	4	5.5	-	7,95		13.2	13.1	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7			100	80	99
NKM-G 80-200/222/A/BAQV/ 5,5 /4	1D5317B9X	3 x 400 V ~	5.5	7.5	-	10,6	H (m)	16.6	16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7			100	80	153
NKM-G 80-250/240/A/BAQV/7,5/4	1D5417BAX	3 x 400 V ~	7.5	10	-	14,6		20.4	20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16			100	80	153
NKM-G 80-250/270/A/BAQV/11/4	1D5417BBX	3 x 400 V ~	11	15	-	20,5		25.6	25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21			100	80	205

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	60	66	72	78	84	90	102	114	120	150	180	210					
			kW	HP	230V	400V	Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500					
NKM-G100-200/200/A/BAQV/5.5 /4	1D6317B9X	3 x 400 V ~	5.5	7.5	-	10,6		12.7	12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5				125	100	166
NKM-G 100-200/214/A/BAQV/7.5/4	1D6317BAX	3 x 400 V ~	7.5	10	-	14,6	H (m)	15.6	15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8			125	100	149
NKM-G 100-250/250/A/BAQV/11/4	1D6417BBX	3 x 400 V ~	11	15	-	20,5		21.1	21	21	21	21	21	21	20.9	20	19.8	18	16				125	100	213

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																			DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	102	114	120	150	180	210	240	270	300	330	360	390	420					
			kW	HP	230V	400V	Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000					
NKM-G 125-250/243/A/BAQV/15/4	1D7417BCX	3 x 400 V ~	15	20	-	28		19.5	19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9				150	125	274
NKM-G 125-250/256/A/BAQV/18,5/4	1D7417BDX	3 x 400 V ~	18.5	25	-	34	H (m)	21.9	21.8	21.8	21.7	21.6	21.3	20.5	19.5	18.5	17.2	15.6	14	12			150	125	290
NKM-G 150-200/218/A/BAQV/11/4	1D8317BBX	3 x 400 V ~	11	15	-	20,5		13.2	13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7		150	125	280

* To be coupled with prefilters and fixing kit.

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

NKP-G - 2 POLES - BASIC VERSION

Cast Iron Impeller and mechanical seal with O-Rings in Viton.

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	6	12	18	24	30	36	42	48	54	60	66	72				
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200				
NKP-G 40-125/107/A/BAQV/1,5/2	1D2117B5U	3 x 230 - 400 V ~	1,5	2	5,80	3,35	H (m)	14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7							65	40	49
NKP-G 40-125/120/A/BAQV/2,2/2	1D2117B6U	3 x 230 - 400 V ~	2,2	3	8,23	4,75		19	18.7	18.4	17.8	17	15.9	14.6	13	11							65	40	60
NKP-G 40-125/130/A/BAQV/3/2	1D2117B7V	3 x 400 V ~	3,0	4		5,95		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5						65	40	67

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																			DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	24	30	36	42	48	54	60	66	72	78	84	90	102						
			kW	HP	230V	400V	Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700						
NKP-G 50-125/115/A/BAQV/3/2	1D3117B7V	3 x 400 V ~	3,0	4	-	5,95	H (m)	17	16.5	16	15.5	15	14.5	13.7	13	12	11	10	9							65	50	69
NKP-G 50-125/125/A/BAQV/4/2	1D3117B8V	3 x 400 V ~	4,0	5.5	-	8,05		20.5	20	19.5	19.1	18.5	18	17.5	16.5	15.8	14.8	14	12.5	11.5						65	50	89
NKP-G 50-125/135/A/BAQV/5,5/2	1D3117B9V	3 x 400 V ~	5,5	7.5	-	10,4		24	23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4					65	50	84

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																					DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150								
			kW	HP	230V	400V	Q=l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500								
NKP-G 65-125/120-110/A/BAQV/4/2	1D4117B8V	3 x 400 V ~	4,0	5.5	-	8,05	H (m)	16	15	14.6	14.2	13.7	13.3	12.8	12.3	12	11.4	10	8.5	8								80	65	80
NKP-G 65-125/127/A/BAQV/5,5/2	1D4117B9V	3 x 400 V ~	5,5	7.5	-	10,4		19.5	19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12							80	65	82
NKP-G 65-125/137/A/BAQV/7,5/2	1D4117BAV	3 x 400 V ~	7,5	10	-	13,4		23.5	23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12						80	65	94

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA									DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	90	102	114	120	150	180	210			
			kW	HP	230V	400V	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500			
NKP-G 80-160/147-127/A/BAQV/11/2	1D5217BBV	3 x 400 V ~	11,0	15	-	19,4	H (m)	24	22	21.4	20.4	20	17.4	16.8	12	100	80	179

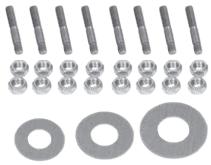
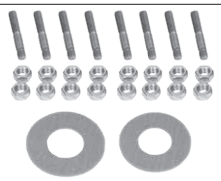
* To be coupled with prefilters and fixing kit.

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

DIAGRAM FOR SELECTING PUMP/FILTER/FIXING KIT - BASIC VERSION

Cast Iron Impeller and mechanical seal with O-Rings in Viton.

POLES		TYPE OF PUMP		PREFILTER			FILTER-PUMP FIXING KIT		
2	4	MODEL	CODE		MODEL	CODE		MODEL	CODE
	•	NKM-G 40-200/200/A/BAQV/1,1/4	1D2317B4W		PREFILTER 65/65	60164699		PREFILTER FIXING KIT DN 65	60166309
	•	NKM-G 40-200/219/A/BAQV/1,5/4	1D2317B5W						
	•	NKM-G 40-250/245/A/BAQV/2,2/4	1D2417B6W						
	•	NKM-G 50-160/177/A/BAQV/1,5/4	1D3217B5W						
	•	NKM-G 50-200/210/A/BAQV/2,2/4	1D3317B6W						
	•	NKM-G 50-200/219/A/BAQV/3/4	1D3317B7X						
	•	NKM-G 50-250/263/A/BAQV/4/4	1D3417B8X						
•		NKP-G 40-125/107/A/BAQV/1,5/2	1D2117B5U						
•		NKP-G 40-125/120/A/BAQV/2,2/2	1D2117B6U						
•		NKP-G 40-125/130/A/BAQV/3/2	1D2117B7V						
•		NKP-G 50-125/115/A/BAQV/3/2	1D3117B7V						
•		NKP-G 50-125/125/A/BAQV/4/2	1D3117B8V						
•		NKP-G 50-125/135/A/BAQV/5,5/2	1D3117B9V						
	•	NKM-G 65-200/210/A/BAQV/3/4	1D4317B7X		PREFILTER 80/80	60164700		PREFILTER FIXING KIT DN 80-100-125	60166312
	•	NKM-G 65-200/219/A/BAQV/4/4	1D4317B8X						
	•	NKM-G 65-250/263/A/BAQV/5,5 /4	1D4417B9X						
•		NKP-G 65-125/120-110/A/BAQV/4/2	1D4117B8V						
•		NKP-G 65-125/127/A/BAQV/5,5/2	1D4117B9V						
•		NKP-G 65-125/137/A/BAQV/7,5/2	1D4117BAV						
	•	NKM-G 80-200/200/A/BAQV/4/4	1D5317B8X		PREFILTER 100/100	60164701			
	•	NKM-G 80-200/222/A/BAQV/5,5/4	1D5317B9X						
	•	NKM-G 80-250/240/A/BAQV/7,5/4	1D5417BAX						
	•	NKM-G 80-250/270/A/BAQV/11/4	1D5417BBX						
•		NKP-G 80-160/147-127/A/BAQV/11/2	1D5217BBV						
	•	NKM-G 100-200/200/A/BAQV/5.5/4	1D6317B9X		PREFILTER 125/125	60164702			
	•	NKM-G 100-200/214/A/BAQV/7.5/4	1D6317BAX						
	•	NKM-G 100-250/250/A/BAQV/11/4	1D6417BBX						
	•	NKM-G 125-250/243/A/BAQV/15/4	1D7417BCX		PREFILTER 150/150	60164703		PREFILTER FIXING KIT DN150-200	60166313
	•	NKM-G 125-250/256/A/BAQV/18,5/4	1D7417BDX						
	•	NKM-G 150-200/218/A/BAQV/11/4	1D8317BBX		PREFILTER 200/200	60164704			

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

NKM-G - 4 POLES - TOP VERSION

Bronze Impeller, mechanical seal with O-Rings in Viton and Pump body with cataphoresis treatment.

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	6	12	18	24	30	36	42	48	54	60	66	72	78			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300			
NKM-G 40-200/200/B/BAQV/ 1,1 /4	60180148	3 x 230 - 400 V ~	1.1	1.5	4,68	2,7		12.5	12.5	12.3	11.2	9.7	7.7									65	40	54
NKM-G 40-200/219/B/BAQV/ 1,5 /4	60180149	3 x 230 - 400 V ~	1.5	2	6,24	3,6		15.6	15.6	15.3	14.7	13.4	11.8	9.8								65	40	54
NKM-G 40-250/245/B/BAQV/ 2,2 /4	60180150	3 x 230 - 400 V ~	2.2	3	8,75	5,05		20.6	20.5	20.1	19.2	17.8	16									65	40	75
NKM-G 50-160/177/B/BAQV/ 1,5 /4	60180151	3 x 230 - 400 V ~	1.5	2	6,24	3,6		10.7		10.7	10.7	10.5	10.2	9.8	9.2	8.3						65	50	46
NKM-G 50-200/210/B/BAQV/ 2,2 /4	60180152	3 x 230 - 400 V ~	2.2	3	8,75	5,05		15.3		15.3	15.2	14.8	14	13.3	12.1	10.8	9.4					65	50	69
NKM-G 50-200/219/B/BAQV/ 3/4	60180153	3 x 400 V ~	3	4	-	6,25	H (m)	16.8		16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9					65	50	65
NKM-G 50-250/263/B/BAQV/ 4/4	60180154	3 x 400 V ~	4	5.5	-	7,95		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1					65	50	79
NKM-G 65-200/210/B/BAQV/ 3/4	60180155	3 x 400 V ~	3	4	-	6,25		15.3				15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3		80	65	72
NKM-G 65-200/219/B/BAQV/ 4/4	60180156	3 x 400 V ~	4	5.5	-	7,95		17				17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6	80	65	77
NKM-G 65-250/263/B/BAQV/ 5,5 /4	60180157	3 x 400 V ~	5.5	7.5	-	10,6		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3	80	65	165

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	42	48	54	60	66	72	78	84	90	102	114	120			
			kW	HP	230V	400V	Q=l/min	0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000			
NKM-G 80-200/200/B/BAQV/ 4/4	60180158	3 x 400 V ~	5.5	7.5	-	7,95		13.2	13.1	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7	100	80	99
NKM-G 80-200/222/B/BAQV/ 5,5 /4	60180159	3 x 400 V ~	5.5	7.5	-	10,6	H (m)	16.6	16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7	100	80	153
NKM-G 80-250/240/B/BAQV/7,5/4	60168350	3 x 400 V ~	7.5	10	-	14,6		20.4	20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16	100	80	153
NKM-G 80-250/270/B/BAQV/11/4	60168351	3 x 400 V ~	11	15	-	20,5		25.6	25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21	100	80	205

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	60	66	72	78	84	90	102	114	120	150	180	210			
			kW	HP	230V	400V	Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500			
NKM-G100-200/200/B/BAQV/5.5 /4	60180160	3 x 400 V ~	5.5	7.5	-	10,6		12.7	12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5		125	100	166
NKM-G100-200/214/B/BAQV/7.5 /4	60168353	3 x 400 V ~	7.5	10	-	14,6	H (m)	15.6	15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8	125	100	149
NKM-G100-250/250/B/BAQV/11/4	60168369	3 x 400 V ~	11	15	-	20,5		21.1	21	21	21	21	21	21	20.9	20	19.8	18	16		125	100	213

MODEL *	CODE	ELECTRICAL DATA					HYDRAULIC DATA																		DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	102	114	120	150	180	210	240	270	300	330	360	390	420			
			kW	HP	230V	400V	Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000			
NKM-G125-250/243/B/BAQV/15/4	60168370	3 x 400 V ~	15	20	-	28		19.5	19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9			150	125	274
NKM-G125-250/256/B/BAQV/18,5/4	60168371	3 x 400 V ~	18.5	25	-	34	H (m)	21.9	21.8	21.8	21.7	21.6	21.3	20.5	19.5	18.5	17.2	15.6	14	12		150	125	290
NKM-G150-200/218/B/BAQV/11/4	60168376	3 x 400 V ~	11	15	-	20,5		13.2	13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7	150	125	280

* To be coupled with prefilters and fixing kit.

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

NKP-G - 2 POLES - TOP VERSION

Bronze Impeller, mechanical seal with O-Rings in Viton and Pump body with cataphoresis treatment.

MODEL *	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)	Q=m³h	0	6	12	18	24	30	36	42	48	54	60	66	72			
			kW	HP	230V 400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200			
NKP-G 40-125/107/B/BAQV/1,5/2	60180161	3 x 230 - 400 V ~	1,5	2	5,80 3,35	H (m)	14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7					65	40	49
NKP-G 40-125/120/B/BAQV/2,2/2	60180162	3 x 230 - 400 V ~	2,2	3	8,23 4,75		19	18.7	18.4	17.8	17	15.9	14.6	13	11					65	40	60
NKP-G 40-125/130/B/BAQV/3/2	60180163	3 x 400 V ~	3,0	4	5,95		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5				65	40	67

MODEL *	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	iKG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)	Q=m³h	0	24	30	36	42	48	54	60	66	72	78	84	90	102			
			kW	HP	230V 400V	Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700			
NKP-G 50-125/115/B/BAQV/3/2	60180164	3 x 400 V ~	3,0	4	- 5,95	H (m)	17	16.5	16	15.5	15	14.5	13.7	13	12	11	10	9			65	50	69
NKP-G 50-125/125/B/BAQV/4/2	60180165	3 x 400 V ~	4,0	5.5	- 8,05		20.5	20	19.5	19.1	18.5	18	17.5	16.5	15.8	14.8	14	12.5	11.5		65	50	89
NKP-G 50-125/135/B/BAQV/5,5/2	60180166	3 x 400 V ~	5,5	7.5	- 10,4		24	23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4	65	50	84

MODEL *	CODE	ELECTRICAL DATA				HYDRAULIC DATA																DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)	Q=m³h	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150			
			kW	HP	230V 400V	Q=l/min	0	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500			
NKP-G 65-125/120-110/B/BAQV/4/2	60180167	3 x 400 V ~	4,0	5.5	- 8,05	H (m)	16	15	14.6	14.2	13.7	13.3	12.8	12.3	12	11.4	10	8.5	8			80	65	80
NKP-G 65-125/127/B/BAQV/5,5/2	60180168	3 x 400 V ~	5,5	7.5	- 10,4		19.5	19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12		80	65	82
NKP-G 65-125/137/B/BAQV/7,5/2	60168378	3 x 400 V ~	7,5	10	- 13,4		23.5	23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12	80	65	94

MODEL *	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMIN.		In (A)	Q=m³h	0	90	102	114	120	150	180	210			
			kW	HP	230V 400V	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500			
NKP-G 80-160/147-127/B/BAQV/11/2	60168379	3 x 400 V ~	11,0	15	- 19,4	H (m)	24	22	21.4	20.4	20	17.4	16.8	12	100	80	179

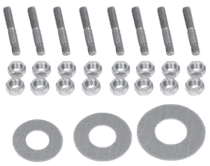
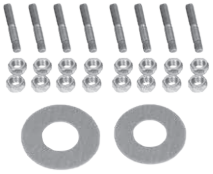
* To be coupled with prefilters and fixing kit.

CAST IRON PREFILTERS

FOR MONOBLOC NORMALISED CENTRIFUGAL ELECTROPUMPS

DIAGRAM FOR SELECTING PUMP/FILTER/FIXING KIT - TOP VERSION

Bronze Impeller, mechanical seal with O-Rings in Viton and Pump body with cataphoresis treatment.

POLES		TYPE OF PUMP		PREFILTER			FILTER-PUMP FIXING KIT		
2	4	MODEL	CODE		MODEL	CODE		MODEL	CODE
	•	NKM-G 40-200/200/B/BAQV/1,1/4	60180148		PREFILTER 65/65	60164699		PREFILTER FIXING KIT DN 65	60166309
	•	NKM-G 40-200/219/B/BAQV/1,5/4	60180149						
	•	NKM-G 40-250/245/B/BAQV/2,2/4	60180150						
	•	NKM-G 50-160/177/B/BAQV/1,5/4	60180151						
	•	NKM-G 50-200/210/B/BAQV/2,2/4	60180152						
	•	NKM-G 50-200/219/B/BAQV/3/4	60180153						
	•	NKM-G 50-250/263/B/BAQV/4/4	60180154						
•		NKP-G 40-125/107/B/BAQV/1,5/2	60180161						
•		NKP-G 40-125/120/B/BAQV/2,2/2	60180162						
•		NKP-G 40-125/130/B/BAQV/3/2	60180163						
•		NKP-G 50-125/115/B/BAQV/3/2	60180164						
•		NKP-G 50-125/125/B/BAQV/4/2	60180165						
•		NKP-G 50-125/135/B/BAQV/5,5/2	60180166						
	•	NKM-G 65-200/210/B/BAQV/3/4	60180155		PREFILTER 80/80	60164700		PREFILTER FIXING KIT DN 80-100-125	60166312
	•	NKM-G 65-200/219/B/BAQV/4/4	60180156						
	•	NKM-G 65-250/263/B/BAQV/5,5/4	60180157						
•		NKP-G 65-125/120-110/B/BAQV/4/2	60180167						
•		NKP-G 65-125/127/B/BAQV/5,5/2	60180168						
•		NKP-G 65-125/137/B/BAQV/7,5/2	60168378						
	•	NKM-G 80-200/200/B/BAQV/4/4	60180158		PREFILTER 100/100	60164701			
	•	NKM-G 80-200/222/B/BAQV/5,5/4	60180159						
	•	NKM-G 80-250/240/B/BAQV/7,5/4	60168350						
	•	NKM-G 80-250/270/B/BAQV/11/4	60168351						
•		NKP-G 80-160/147-127/B/BAQV/11/2	60168379						
	•	NKM-G 100-200/200/B/BAQV/5.5/4	60180160		PREFILTER 125/125	60164702			
	•	NKM-G 100-200/214/B/BAQV/7.5/4	60168353						
	•	NKM-G 100-250/250/B/BAQV/11/4	60168369						
	•	NKM-G 125-250/243/B/BAQV/15/4	60168370		PREFILTER 150/150	60164703		PREFILTER FIXING KIT DN150-200	60166313
	•	NKM-G 125-250/256/B/BAQV/18,5/4	60168371						
	•	NKM-G 150-200/218/B/BAQV/11/4	60168376		PREFILTER 200/200	60164704			

EUROCOVER

SUBMERSIBLE SWIMMING POOL PUMPS

Totally automatic submersible electric pump, with wide support base specially designed to increase stability and to offer the possibility to operate also in positions which are not perfectly perpendicular to the ground.
Suitable for use during the winter period above the pool covers, to remove rainwater and avoid damage to the cover due to the excessive weight of the accumulated water. Electric pump made of resistant thermoplastic material. Motor, shaft, bolts and screws in stainless steel.
Triple interposed ring seal with oil prechamber.
Incorporated float for automatic operation.
Submersible with continuous duty asynchronous motor.
Stator positioned in stainless steel enclosure with cap to cover wiring and capacitor.

Protection rating IP68
Insulation class F
Input voltage 230V - 50Hz single phase
Supplied with 10m cable and Schuko plug / 10 m rope for positioning on sheets
Multi-hose fitting with clapet valve
Operating range
From 0.5 to 6 m³/h with head up to 6.5 m
Liquid temperature range
From 0 to 35°C (EN 60335-2-41)
Installation fixed or portable in vertical position (max. inclination 10°)
Particle size 5 mm
Automatic start/stop start 55 mm - stop 35 mm

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	Q=m³h	0	1,2	2,4	3,6	4,8	6		
EUROCOVER	60115704.	230 V ~	0,25	0,22	0,3	H (m)	6,5	5,1	4	3	1,9	0,5	4,6	36

JET COM SP, EURO COM SP

SWIMMING POOL CENTRIFUGAL PUMPS

Self-priming centrifugal (Jet Com) or multistage (Euro Com) pump with excellent suction capacity even when there are air bubbles. Suitable for use with water containing small sand impurities. Especially suitable for water supplies in domestic systems: handling of aggressive water in general with chlorine contents (swimming pools). Pump body in technopolymer.
Support and seal-carrier in AISI 316 STAINLESS STEEL.
Carbon/ceramic mechanical seal.
Rotor shaft in AISI 316 STAINLESS STEEL.
Impellers, diffuser, Venturi tube, and sand guard in technopolymer.
Clearance rings in stainless steel.
Continuous duty asynchronous motor.
Built-in motor overload cut out and a capacitor permanently on in the single-phase version.
Protection for the three-phase version is the responsibility of the user.

Motor protection level IP 44
Terminals protection level IP 55
Insulation class F
Standard voltage 220/240V - 50 Hz single-phase
230/400V - 50 Hz three-phase
Operating range from 10 to 80 l/min with head of up to 58 m depending on the model
Liquid quality requirements clean, free of solid or abrasive contaminants, swimming pool water (containing chlorine).
Liquid temperature range
from 0°C to +35°C for domestic use (EN 60335-2-41)
from 0°C to +40°C for other uses.
Maximum ambient temperature +40°C
Maximum operating pressure 6 bar (600 kPa)
Installation fixed or portable in horizontal position

THREE-PHASE MOTORS			
P2	< 0,75 kW		IE2
	≥ 0,75 kW < 75 kW		IE3
	≥ 75 kW		IE4*

SINGLE-PHASE MOTORS			
P2	≥ 120 W		IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
							Q=l/min	0	10	20	30	40	50	60	70	80				
JETCOM 82 SP M	60213239	1x230 V	0,8	0,55	0,75	3,9		47	40	34	30	26,2	23,5	20			1"	1"	7,7	28
JETCOM 82 SP M	60115706	1X220-240 V~	0,85	0,6	0,8	3,8		47	40	34	30	26,2	23,5	20			1"	1"	7,7	28
JETCOM 102 SP M	60212478H	1x230 V	1,02	0,75	1	4,5		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	9,5	28
JETCOM 102 SP M	102676030	1x220-240 V ~	1,13	0,75	1	5,1		53,8	47	41	36,3	32,4	28,8	25,8			1 "	1 "	9,5	28
JETCOM 102 SP T	60181157	3X230-400 V~	1,04	0,75	1	3,4-2		53,8	47	41	36,3	32,4	28,8	25,8			1"	1"	9,5	28
EUROCOM SP 30/50 M	60213206	1x230 V	0,88	0,45	0,6	4	H (m)	42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14	1 "	1 "	8,8	28
EUROCOM SP 30/50 M	102966260	1x220-240 V ~	0,88	0,55	0,75	3,9		42,2	40,2	38,2	36,2	33,8	30	24,8	19,5	14	1 "	1 "	8,8	28
EUROCOM SP 40/50 M	60212481	1x230 V	1,11	0,85	1,15	4,8		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2	1 "	1 "	11	28
EUROCOM SP 40/50 M	102966280	1x220-240 V ~	1,2	0,75	1	5,3		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2	1 "	1 "	11	28
EUROCOM SP 40/50 T	60179420	3x230-400 V ~	1,07	0,75	1	3,6-2,1		57,7	55,3	52,8	50,1	47,1	42,7	35,8	28	19,2	1 "	1 "	11,3	28

DAB WATER•TECHNOLOGY

MULTI 4 SW

SELF-PRIMING HORIZONTAL MULTISTAGE PUMPS

Is a self-priming multistage surface pump specifically constructed to pump salt water. Low noise and high pressure performance. **Available with 4-Noryl impeller.**
Anti-corrosive and rust-proof materials.
Motor with thermic overload protection.
Double sealing system between motor and hydraulic part. High resistance to frost and icing.
Supplied with power cable with plug, and self-sealing fitting.
Supplied complete with power cable and plug.

Operating range
capacity up to 90 l/min; head up to 46 m.

Liquid temperature range
from 0°C to +35°C for domestic use.
from 0°C to +40°C for other uses.

Pumped liquid
Designed to specifically pump salt water.

Maximum suction capacity 8 metres.

Maximum ambient temperature +40°C.

Protection class IPX4.

Insulation class F.

Installation fixed or portable, horizontal position.
Special versions on requests: alternative voltages and/or frequencies.

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										N° IMPELLERS	DNA GAS	DNM GAS	WT. KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8	5,4					
							Q=l/min	0	10	20	30	40	50	60	70	80	90					
MULTI 4 SW M	60212401	1x230 V	0,93	0,63	0,85	4,2	H (m)	46	45	43	40	38	33	28	22	16	9	4	1 "	1 "	10,6	21
MULTI 4 SW M	60122695	1x220-240 V ~	1	0,75	1	4,5		46	45	43	40	38	33	28	22	16	9	4	1 "	1 "	10,6	21

NOVA SALT W

SUBMERSIBLE PUMPS

The Nova Salt W M-A is a multi-purpose submersible pump specifically constructed for use in **salt water.**
Anti-corrosive and rust-proof materials.
Motor casing, shaft, screws and nuts made of stainless steel AISI 316.
Cable with tin plated conductors.
Motor with thermic overload protection.
Wear resistant shaft and impeller.
Excellent cooling of the motor that enables the pump to operate even when it is partially submersible.
Manual and Automatic version with start/ stop float switch.
Supplied with power cable with plug and self-sealing fitting.

Operating range
from 1 to 7.5 m³/h with head up to 6 metres.

Liquid temperature range
from 0°C to +35°C for domestic use.

Pumped liquid dirty water, without fibre, including salt water.

Max. immersion depth 7 metres.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m3h	0	1	2	3	4,5	5	6	7	7,5				
							Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125				
NOVA SALT W M-A	60122652	1X230 V~	0,28	0,2	0,28	1,3	H (m)	6	5,4	4,7	3,9	2,8	2,5	1,7	1	0,5	1" ¼	10 mt.	3,9	48

NOVAPOND

SUBMERSIBLE PUMPS

The models NovaPond are submersible pumps specially designed for the recirculation of water in garden ponds, to create waterfalls or other water features. They are designed to pump clean water containing solid particles with a maximum diameter of 10 mm.
Suitable for continuous operation.
Designed for horizontal or vertical installation.
Environmentally safe.
Materials resistant to corrosion and oxidation.
Motor with thermal overload protection.
Adjustable suction filter to enable transit of solid particles with a diameter from 5 mm to 10 mm.
Supplied with power cable and plug, and self-sealing coupling.

Operating range
From 1 to 14 m^3/h with head up to 9.4 metres.
Suitable for continuous operation.

Liquid temperature range
From 0°C to +35°C.

Pumped liquid
Clean water, without fibres and with particles with maximum diam. 10 mm.

Max. immersion depth 7 metres.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM GAS	CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX W	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m^3h	0	1	2	3	4,5	6	7,5	9	10,5	12	14				
							Q=l/min	0	17	33	50	75	100	125	150	175	200	233				
NOVAPOND 200 M	60122681	1X230 V~	280	0,2	0,28	1,3	H (m)	6,98	6,35	5,55	4,75	3,6	2,2	0,65					1"¼	10 mt.	4,3	48
NOVAPOND 550 M	60122684	1X230 V~	750	0,55	0,75	3,3		9,4	9,15	8,95	8,58	7,86	6,9	5,9	4,8	3,53	2,1	0,44	1"¼	10 mt.	6,2	48

ACCESSORIES FOR SWIMMING POOL, POND AND SALT WATER PUMPS

ACCESSORIES

FOR SWIMMING POOL, POND AND SALT WATER PUMPS

KIT CONNECTION CABLE	DESCRIPTION	CODE
	ESWIM CONNECTION CABLE 16 M KIT 12 PIN	60194430

UNIONS KIT	DESCRIPTION	CODE
	2" UNIONS KIT / DN 50-63 FOR EUROSWIM, ESWIM AND EPRO	60120005

COUNTER FLANGE KIT	DESCRIPTION	CODE
	COUNTER FLANGE KIT SUCTION + DELIVERY FOR EUROPRO HIGH FLOW	60165456

WATER FEATURES FOR NOVAPOND	DESCRIPTION	CODE
	TELESCOPIC TUBE	LP050001
	3 LEVELS	LP050003
	FOAM	LP050004
	FLOWER	LP050005
	WATER FEATURE BELL	LP050006

INDEX - CENTRIFUGAL PUMPS

KPS, KPF

PERIPHERAL PUMPS

KPS

KPF

Peripheral centrifugal pump, reduced encumbrance, able to generate high heads, it is suitable for domestic use and small industrial uses.
Pump body and motor support in brass for the KP 60 version, in cast iron for the KPS 30 and KP 38 versions.
Brass impeller.
Mechanical seal in carbon/ceramic.
Asynchronous, closed motor, cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version.
For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range
From 1 to 50 l/min. with head up to 107 metres.

Liquid temperature range
From 0°C to +35°C for domestic use.
From -10°C to +50°C for other uses.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure
10 bar (6 bar for KPS, KPF 30/16).

Protection level IP 44

Insulation class F.

THREE-PHASE MOTORS			
P2	< 0,75 kW		IE2
	≥ 0,75 kW < 75 kW		IE3
	≥ 75 kW		IE4*

SINGLE-PHASE MOTORS			
P2	≥ 120 W		IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	WEIGHT Kg	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,3	0,6	0,9	1,2	1,8	2,4				
							Q=l/min	0	5	10	15	20	30	40				
KPF 30/16 M	60213251H	1 x 230 V ~	0,5	0,25	0,33	2,4		32,5	31	25	22	17,5	10		1" G	1" G	5,3	110
KPF 30/16 M	101110400	1 x 230 V ~	0,53	0,37	0,5	2,37		32,5	31	25	22	17,5	10		1" G	1" G	5,3	110
KPF 30/16 T	60204073	3 x 230 - 400 V ~	0,52	0,35	0,48	1,7-1		32,5	31	25	22	17,5	10		1" G	1" G	5,3	110
KPS 30/16 M	60213254H	1 x 230 V ~	0,5	0,25	0,33	2,4		32,5	31	25	22	17,5	10		1" G	1" G	5,4	120
KPS 30/16 M	101110024	1 x 230 V ~	0,47	0,37	0,5	2		32,5	31	25	22	17,5	10		1" G	1" G	5,4	120
KPS 30/16 T	60204072	3 x 230 - 400 V ~	0,52	0,35	0,48	1,7-1		32,5	31	25	22	17,5	10		1" G	1" G	5,4	120
KPS 30/16 M-P [1]	60213263H	1 x 230 V ~	0,5	0,25	0,33	2,4		32,5	31	25	22	17,5	10		1" G	1" G	5,4	36
KPS 30/16 M-P [1]	101112224H	1 x 230 V ~	0,47	0,37	0,5	2	H (m)	32,5	31	25	22	17,5	10		1" G	1" G	5,4	36
KPS 38/18 M	60213280H	1 x 230 V ~	0,78	0,55	0,75	3,6		54	50	46	41	36	27.5	17.5	1" G	1" G	7,5	76
KPS 38/18 M	60199380H	1 x 230 V ~	0,94	0.6	0.8	4,2		54	50	46	41	36	27.5	17.5	1" G	1" G	7,5	76
KPS 38/18 T	60204064H	3 x 230 - 400 V ~	0,88	0.6	0.8	2.9-1.7		84	76	68	62	56	38	24	1" G	1" G	7,5	76
KPF 45/20 M	60212510H	1 x 230 V ~	1,2	0,85	1,15	5,3		84	76	68	62	56	38	24	1" G	1" G	9,0	39
KPF 45/20 M	60141934H	1 x 230 V ~	1,5	1,0	1,34	5,9		84	76	68	62	56	38	24	1" G	1" G	9,0	39
KPF 45/20 T	60179405H	3 x 230 - 400 V ~	1,2	1,0	1,34	4-2,3		84	76	68	62	56	38	24	1" G	1" G	9,0	39

[1] KPS-fitted: Pump fitted with a pressure gauge, pressure switch, power supply cable with plug and five-way fitting for connection to a tank.

KE SINGLE IMPELLER - MCE-P

SINGLE IMPELLER CENTRIFUGAL PUMPS WITH INVERTER MCE-P

Single impeller centrifugal pump suitable for pressure booster systems and domestic, civil, industrial and agricultural systems.
Particularly versatile thanks to the use of the **MCE-P** inverter, this pump guarantees the automatic adjustment of its performance to the various system requirements, while maintaining constant the differential pressure.
Pressure sensor included.
Pump body and motor support in cast iron.
Technopolymer impeller for the KE 36/200, KE 40/200 and KE 55/200 versions; cast iron impeller for the other pumps.
Carbon/ceramic mechanical seal.
Asynchronous, closed motor cooled by external ventilation.
Motor shaft mounted on generously sized ball bearings to ensure silent running and long life.

Operating range
From 6 to 100 m³/h with head up to 60 meters.

Liquid temperature range
From -10°C to +50°C for the KE 36/200 and KE 40/200 versions, from -15°C to +110°C for other pumps.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

Installation normally horizontal or vertical provided the motor is always above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure
KE 36/200, KE 40/200, KE 55/200:8 bar (800 kPa)
KE 40/400, KE 50/400, KE 30/800, KE 40/800, KE 50/800, KE 20/1200, KE 25/1200, KE 35/1200: 10 bar (1000 kPa).

Protection rating IP 44.

Terminal box protection rating IP 55.

Insulation class F.

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KE SINGLE IMPELLER - MCE-P - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8	12	15	18			
							Q=l/min	0	30	40	60	80	100	120	150	160	180	200	250	300			
KE 36/200 T MCE30/P	60144849	3 x 400V	3,2	2,2	3	6,96	H (m)	36,6				36	35,5	35	34	33,3	32,5	31,5	28	23,5	2" G	1¼" G	39,9
KE 40/200 T MCE30/P	60144850	3 x 400V	3,8	3	4	8,93		41,3				41	40,5	40	39	38,8	38	37	33,5	29	2" G	1¼" G	41,7
KE 55/200 T MCE55/P	60144851	3 x 400V	5,3	4	5,5	10,90		54					54	53,9	53,2	53	52	51,5	48,5	45	2" G	1¼" G	41,7

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	12	15	18	24	30	36	42	60	72	84	96			
							Q=l/min	0	200	250	300	400	500	600	700	1000	1200	1400	1600			
KE 40/400 T MCE55/P	60167376	3 x 400V	6,7	5,5	7,5	14,67	H (m)	50,5	49	48	45	37	24							65	50	86,6
KE 50/400 T MCE110/P	60167377	3 x 400V	8,9	7,5	10	18,74		62	61	60	59	54,5	46							65	50	91,7
KE 30/800 T MCE110/P	60167378	3 x 400V	8,5	7,5	10	18,19		44				42	40	38	35	21,5				80	65	103,1
KE 40/800 T MCE110/P	60167379	3 x 400V	10,4	9,2	12,5	21,48		51,5				50	48	47	43,5	32,5	21			80	65	107,9
KE 50/800 T MCE110/P	60167380	3 x 400V	13,5	11	15	27,49		58				56,5	55	53,5	51	41	31			80	65	117,2
KE 25/1200 T MCE110/P	60167381	3 x 400V	12,0	10	12,5	20,92		40,7				39	38,5	38	37	33,5	30	25	18	80	65	106,9
KE 35/1200 T MCE110/P	60167382	3 x 400V	11,4	12	15	25,10		45						43	42,5	38,5	35	31,5	27	80	65	112,9

KE TWIN IMPELLERS - MCE-P

TWIN IMPELLERS CENTRIFUGAL PUMPS WITH INVERTER MCE-P

Twin impeller centrifugal pump, suitable for pressure booster systems and domestic, civil, industrial and agricultural systems.
Particularly versatile thanks to the use of the **MCE-P** inverter, this pump guarantees the automatic adjustment of its performance to the various system requirements, while maintaining constant the differential pressure.
Pressure sensor included.
Pump body and motor support in cast iron.
Technopolymer impeller.
Carbon/ceramic mechanical seal.
Asynchronous, closed motor cooled by external ventilation.
Motor shaft mounted on generously sized ball bearings to ensure silent running and long life.

Operating range
From 2 to 30 m^3/h with head up to 95 meters.

Liquid temperature range
From -10°C to 50°C: for KE 35/40, KE 45/50, KE 55/100.
From -15°C to 110°C: for KE 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

Installation normally horizontal or vertical provided the motor is always above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure
KE 35/40: 6 bar (600 kPa)
KE 45/50, KE 55/50: 8 bar (800 kPa)
KE 55/100, KE 66/100: 10 bar (1000 kPa)
KE 90/100, KE 70/300, KE 80/300 KE 70/400, KE 80/400: 12 bar (1200 kPa).

Protection rating IP 44.

Terminal box protection rating IP 55.

Insulation class F.

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KE TWIN IMPELLERS - MCE-P - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																	DNA	DNM	Weight Kg
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m^3h	0	1,2	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8	12	15	18	24	30			
							Q=l/min	0	20	30	40	60	80	100	120	150	160	180	200	250	300	400	500			
KE 35/40 M MCE11/P	60147869	1 x 230V	1,3	0,75	1,0	10,3	H (m)	43,5	41,5	40	38	33	23,5											1" G	1" G	20,5
KE 55/50 M MCE15/P	60201921	1 x 230V	2,53	1,6	2,2	18,1		62	60	58	57	52	45	34										1½" G	1" G	28,2
KE 55/100 T MCE30/P	60144859	3 x 400V	3,66	2,2	3,0	8,93		62			59,5	57	54,5	51	47	39	36							1½" G	1" G	44,9
KE 66/100 T MCE30/P	60144860	3 x 400V	4,32	3,0	4,0	9,64		73			70	67,5	64	60,5	57	49	47							1½" G	1" G	47,5
KE 90/100 T MCE55/P	60144861	3 x 400V	5,23	3,0	4,0	10,8		83,5			82	79,5	76,5	72,5	68	61	58							1½" G	1" G	50,8
KE 70/300 T MCE55/P	60180171	3 x 400V	6,73	5,5	7,5	14,1		76						74	73	72	71,5	70	69	65	60,5	43,5		2" G	1¼" G	79,8
KE 80/300 T MCE110/P	60167383	3 x 400V	9,83	7,5	10,0	19,4		95						93	92,2	91	90,5	90	89,5	87	82	68		2" G	1¼" G	86,6
KE 70/400 T MCE110/P	60167384	3 x 400V	9,57	9,2	12,5	20,4		86								84	83,2	82,5	82	79	76	65	47	2" G	1¼" G	86,9
KE 80/400 T MCE110/P	60167385	3 x 400V	11,2	11,0	15,0	22,7		97									95	94,5	94	92	89	80	64	2" G	1¼" G	90,9

NKM-GE, NKP-GE - MCE-P

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER

Enbloc electric centrifugal pumps with coupling, designed for a wide range of applications such as:

- Homes;
- Apartment blocks;
- Camp sites;
- Swimming pools;
- Farms;
- Well water supply;
- Irrigation for greenhouses, gardens, agriculture;
- Re-use of rainwater;
- Industrial systems.

Highly versatile pumps thanks to the use of the **MCE-P** inverter, to guarantee performance able to automatically adapt to the various system requirements, while maintaining constant pressure. Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron support, flanges according to DIN 2533 and DIN 2532 for DN 200. Cast iron impeller, sealed and dynamically balanced with compensation of the axial thrust via balancing holes, operating (on request) on interchangeable wear rings. Pump shaft in AISI 304 stainless steel. Seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. Asynchronous, closed motor cooled by external ventilation, construction design B3/B5, 2-pole for NKPGE and 4-pole for NKM-GE.
Rotor mounted on generously sized ball bearings to ensure silent and durable operation.

Speed of rotation 1450 - 2900 1/min.

Operating range
From 1 a 450 m^3/h head up to 72 meters.

Liquid temp. range from -10°C to +80°C.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Installation normally horizontal or vertical provided the motor is always above the pump.

Max. ambient temperature +40°C.

Maximum operating pressure
16 bar - 1600 kPa (for DN 200 max. 10 bar).

Protection rating IP 55.

Insulation class F.

Flanging PN 16 DIN 2533.

Special versions on request
Pumps for liquids other than water.
Other voltages and/or frequencies.
Inverter modulation with 0-10V signal.

IE3 ≥ 0,75 kW

D+ CONNECT

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NKM-GE - MCE-P - 4 POLES - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A				
			kW	HP					
NKM-GE 40-250/245/A/BAQE/ 2,2 /4 MCE30/P	60192059	3x400 V	2,2	3,0	6,6	MCE30/P	65	40	89
NKM-GE40-250/260/A/BAQE/ 3 /4 MCE30/P	60192060	3x400 V	3,0	4,0	7,9	MCE30/P	65	40	98
NKM-GE50-250/263/A/BAQE/ 4/4 MCE30/P	60192061	3x400 V	4,0	5,5	10,0	MCE30/P	65	50	105
NKM-GE65-250/263/A/BAQE/ 5,5 /4MCE55/P	60192062	3x400 V	5,5	7,5	13,4	MCE55/P	80	65	168
NKM-GE65-315/279/A/BAQE/ 7,5 /4MCE110/P	60167386	3x400 V	7,5	10,0	17,9	MCE110/P	80	65	195
NKM-GE65-315/309/A/BAQE/11/4 MCE110/P	60167387	3x400 V	11,0	15,0	27,2	MCE110/P	80	65	263
NKM-GE80-250/240/A/BAQE/7,5/4MCE110/P	60167388	3x400 V	7,5	10,0	17,9	MCE110/P	100	80	185
NKM-GE80-250/270/A/BAQE/11/4 MCE110/P	60167389	3x400 V	11,0	15,0	27,2	MCE110/P	100	80	237
NKM-GE80-315/305/A/BAQE/15/4 MCE150/P	60167390	3x400 V	15,0	20,0	36,5	MCE150/P	100	80	294
NKM-GE100-250/250/A/BAQE/11/4 MCE110/P	60167391	3x400 V	11,0	15,0	27,2	MCE110/P	125	100	245
NKM-GE100-250/270/A/BAQE/15/4MCE150/P	60167392	3x400 V	15,0	20,0	36,5	MCE150/P	125	100	268
NKM-GE125-250/243/A/BAQE/15 /4 MCE150/P	60167393	3x400 V	15,0	20,0	36,5	MCE150/P	150	125	305

NKM-GE, NKP-GE - MCE-P

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER

NKP-GE - MCE-P - 2 POLES - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A				
			kW	HP					
NKP-GE32-125.1/125/A/BAQE /1.5/2 MCE11/P	60192063	1 x 230V	1,5	2,0	13,4	MCE11/P	50	32	56
NKP-GE 32-125.1/140/A/BAQE/2.2/2 MCE15/P	60192064	1 x 230V	2,2	3,0	18,5	MCE15/P	50	32	58
NKP-GE 32-125/130/A/BAQE / 2.2 /2 MCE15/P	60192065	1 x 230V	2,2	3,0	18,6	MCE15/P	50	32	58
NKP-GE 32-125/142/A/BAQE / 3 /2 MCE30/P	60192066	3 x 400V	3,0	4,0	7,0	MCE30/P	50	32	76
NKP-GE 32-160.1 155/A/BAQE/2.2/2 MCE15/P	60192067	1 x 230V	2,2	3,0	19,4	MCE15/P	50	32	53
NKP-GE 32-160.1 166/A/BAQE /3/2 MCE30/P	60192068	3 x 400V	3,0	4,0	6,7	MCE30/P	50	32	70
NKP-GE 32-160.1 177A/BAQE /4/2 MCE55/P	60192069	3 x 400V	4	5,5	8,5	MCE55/P	50	32	90,6
NKP-GE 32-160/151/A/BAQE/3/2 MCE30/P	60192070	3 x 400V	3,0	4,0	7,1	MCE30/P	50	32	70
NKP-GE 32-160/163/A/BAQE/4/2 MCE55/P	60192071	3 x 400V	4,0	5,5	8,9	MCE55/P	50	32	92
NKP-GE 32-160/177/A/BAQE /5,5/2MCE55/P	60192072	3 x 400V	5,5	7,5	12,7	MCE55/P	50	32	114
NKP-GE 32-200.1 188/A/BAQE/4/2 MCE55/P	60192073	3 x 400V	5,5	7,5	9,1	MCE30/P	50	32	92
NKP-GE32-200.1 205/A/BAQE/5,5/2 MCE55/P	60192074	3 x 400V	4,0	5,5	11,4	MCE55/P	50	32	114
NKP-GE 32-200/190/A/BAQE/5.5 /2MCE55/P	60192075	3 x 400V	5,5	7,5	12,4	MCE55/P	50	32	126
NKP-GE 32-200/210/A/BAQE/7.5/2MCE55/P	60167394	3 x 400V	7,5	10,0	16,5	MCE110/P	50	32	135
NKP-GE 40-125/120/A/BAQE/2.2/2MCE22/P	60192076	1 x 230V	2,2	3,0	20,6	MCE22/P	65	40	74
NKP-GE 40-125/130/A/BAQE/3/2 MCE30/P	60192077	3 x 400V	3,0	4,0	7,2	MCE30/P	65	40	85
NKP-GE 40-125/139/A/BAQE/4/2 MCE55/P	60192078	3 x 400V	4,0	5,5	9,6	MCE55/P	65	40	107
NKP-GE 40-160/158/A/BAQE/5,5/2MCE55/P	60192079	3 x 400V	5,5	7,5	12,4	MCE55/P	65	40	119
NKP-GE40-160/172/A/BAQE/7,5/2MCE55/P	60167395	3 x 400V	7,5	10,0	16,5	MCE110/P	65	40	127
NKP-GE 40-200/210/A/BAQE/11/2 MCE110/P	60167396	3 x 400V	11,0	15,0	24,9	MCE110/P	65	40	207
NKP-GE40-250/230/A/BAQE/15/2 MCE150/P	60167397	3 x 400V	15,0	20,0	34,6	MCE150/P	65	40	220
NKP-GE 50-125/125/A/BAQE/4/2 MCE55/P	60192080	3 x 400V	4,0	5,5	9,8	MCE55/P	65	50	122
NKP-GE50-125/135/A/BAQE/5,5 /2 MCE55/P	60192081	3 x 400V	5,5	7,5	12,6	MCE55/P	65	50	124
NKP-GE50-125/144/A/BAQE/7,5/2MCE55/P	60167398	3 x 400V	7,5	10,0	16,1	MCE55/P	65	50	133
NKP-GE50-160/153/A/BAQE/7.5/2MCE110/P	60167399	3 x 400V	7,5	10,0	17,4	MCE110/P	65	50	101
NKP-GE50-160/169/A/BAQE/11/2 MCE110/P	60167400	3 x 400V	11,0	15,0	24,0	MCE110/P	65	50	132
NKP-GE 50-200/200/A/BAQE/15/2 MCE150/P	60167401	3 x 400V	15,0	20,0	32,5	MCE150/P	65	50	216
NKP-GE 65-125/127/A/BAQE/5,5/2MCE55/P	60192082	3 x 400V	5,5	7,5	12,8	MCE55/P	80	65	122
NKP-GE65-125/137/A/BAQE/7,5/2MCE110/P	60167402	3 x 400V	7,5	10,0	17,4	MCE110/P	80	65	131
NKP-GE65-160/157/A/BAQE/11/2MCE110/P	60167403	3 x 400V	11,0	15,0	23,4	MCE110/P	80	65	202
NKP-GE65-160/173/A/BAQE/15/2MCE150/P	60167404	3 x 400V	15,0	20,0	33,5	MCE150/P	80	65	212
NKP-GE80-160/147-127/A/BAQE/11/2MCE110/P	60167405	3 x 400V	11,0	15,0	24,1	MCE110/P	100	80	215
NKP-GE 80-160/153/A/BAQE/15/2 MCE150/P	60167406	3 x 400V	15,0	20,0	32,6	MCE150/P	100	80	221

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER - FOR PRESSURIZATION SYSTEM

PERFORMANCE RANGE

NKM-GE - MCE-P - 4 POLES

> 1450 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000
NKM-GE40-250/260/A/BAQE/ 3 /4 MCE30/P	3	4	H (m)	23.3	23.1	22.8	22.2	20.8	19																					
NKM-GE50-250/263/A/BAQE/ 4/4 MCE30/P	4	5.5		23.8		23.8	23.8	23.4	22.7	21.6	20.4	19	17.1																	
NKM-GE65-250/263/A/BAQE/ 5,5 /4MCE55/P	5.5	7.5		24.1				23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3													
NKM-GE65-315/309/A/BAQE/11/4 MCE110/P	11	15		34.2							33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7									
NKM-GE80-250/270/A/BAQE/11/4 MCE110/P	11	15		25.6							25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21								
NKM-GE80-315/305/A/BAQE/15/4 MCE150/P	15	20		32.9									32.7	32.6	32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24							
NKM-GE100-250/250/A/BAQE/11/4 MCE110/P	11	15		21.1										21	21	21	21	21	21	20.9	20	19.8	18	16						
NKM-GE100-250/270/A/BAQE/15/4MCE150/P	15	20		25.5										25.5	25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5					
NKM-GE125-250/243/A/BAQE/15 /4 MCE150/P	15	20		19.5																19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9

NKP-GE - MCE-P - 2 POLES

> 2900 1/min

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
	kW	HP		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
NKP-GE32-125.1/125/A/BAQE /1.5/2 MCE11/P	1.5	2	H (m)	21	20.8	19	16.8																		
NKP-GE 32-125.1/140/A/BAQE/2.2/2 MCE15/P	2.2	3		27	26.9	25.9	23	19.5																	
NKP-GE 32-125/130/A/BAQE / 2.2 /2 MCE15/P	2.2	3		23.6	23.1	23	21.6	19.6	16.8																
NKP-GE 32-125/142/A/BAQE / 3 /2 MCE30/P	3	4		28.6	28	27.6	26.5	24.6	21.8	17.9															
NKP-GE 32-160.1 166/A/BAQE /3/2 MCE30/P	3	4		35.3	35	33	28																		
NKP-GE 32-160/151/A/BAQE/3/2 MCE30/P	3	4		30.5	30	29	27	24	19.5																
NKP-GE 32-160/177/A/BAQE /5,5/2MCE55/P	5.5	7.5		43.5	43.2	42.6	41.5	39	36	31.5	25.5														
NKP-GE32-200.1 205/A/BAQE/5,5/2 MCE55/P	5.5	7.5		56.6	55.7	52	45.8	36.2																	
NKP-GE 32-200/190/A/BAQE/5.5 /2MCE55/P	5.5	7.5		46.9	46.5	45	43	40	35	29															
NKP-GE 32-200/210/A/BAQE/7.5/2MCE55/P	7.5	10		58.8	58	57	56	53	49	44															
NKP-GE 40-125/120/A/BAQE/2.2/2MCE22/P	2.2	3		19	18.7	18.4	17.8	17	15.9	14.6	13	11													
NKP-GE 40-125/130/A/BAQE/3/2 MCE30/P	3	4		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5												
NKP-GE 40-125/139/A/BAQE/4/2 MCE55/P	4	5.5		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15											
NKP-GE 40-160/158/A/BAQE/5,5/2MCE55/P	5.5	7.5		33.7			34	33.4	32.4	31	29.5	27	24												
NKP-GE40-160/172/A/BAQE/7,5/2MCE55/P	7.5	10		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5										
NKP-GE 40-200/210/A/BAQE/11/2 MCE110/P	11	15		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39										
NKP-GE40-250/230/A/BAQE/15/2 MCE150/P	15	20		72.5			72.5	72	70	68	66	62.5	60	56	51.5										
NKP-GE50-125/135/A/BAQE/5,5 /2 MCE55/P	5.5	7.5		24				23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4					
NKP-GE50-125/144/A/BAQE/7,5/2MCE55/P	7.5	10		28				27.8	27.5	27.3	27	26.5	25.8	25.3	24.5	23.5	23	21.5	20.5	18	15.5				
NKP-GE50-160/169/A/BAQE/11/2 MCE110/P	11	15		39.6					39.5	39.3	39.1	39	38.5	38	37.2	36.5	35	34	32.5						
NKP-GE 50-200/200/A/BAQE /15/2 MCE150/P	15	20		55.1					54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41						
NKP-GE 65-125/127/A/BAQE/5,5/2MCE55/P	5.5	7.5		19.5						19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12			
NKP-GE65-125/137/A/BAQE/7,5/2MCE110/P	7.5	10		23.5						23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12		
NKP-GE65-160/157/A/BAQE/11/2MCE110/P	11	15		32.5								32.3	32	31.9	31.3	30.2	30	29.2	28.7	27	24.8	23.6			
NKP-GE65-160/173/A/BAQE/15/2MCE150/P	15	20		40.1								39.7	39.6	39.5	39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9		
NKP-GE80-160/147-127/A/BAQE/11/2MCE110/P	11	15		24															22	21.4	20.4	20	17.4	16.8	12
NKP-GE 80-160/153/A/BAQE/15/2 MCE150/P	15	20		30.5															29	28.4	27.5	27	24.5	21.3	18.3

KDNE - MCE-P

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER

Standardised centrifugal pumps on skid with elastic coupling, electronics designed for a wide range of applications such as:

- Homes;
- Apartment blocks;
- Camp sites;
- Swimming pools;
- Farms;
- Well water supply;
- Irrigation for greenhouses, gardens, agriculture;
- Re-use of rainwater;
- Industrial systems.

Highly versatile pumps thanks to the use of the DAB **MCE-P** inverter, to guarantee performance able to automatically adapt to the various system requirements, maintaining constant pressure. Pressure sensor included. Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron seal cover and motor support, flanges according to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, sealed and dynamically balanced with axial thrust compensation via balancing holes, operating (on request) on interchangeable wear rings. Pump shaft in stainless steel mounted on two generously sized ball bearings, permanently lubricated and housed in a special chamber inside the support. Standard seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. On request, packing seals are available, with hydraulic lubrication ring and gland in two easily removable parts. Sealed, asynchronous motor cooled by external ventilation; 2-pole or 4-pole. Rotor mounted on generously sized ball bearings to ensure silent and durable operation. Electrical protection: according to standards transposed into the ELECTROMAGNETIC COMPATIBILITY DIRECTIVE EEC 89/336 and subsequent amendments, LOW VOLTAGE DIRECTIVE EEC 73/23 and subsequent amendments and standards CEI 2-3.

Construction design B3.

Speed of rotation 1450 - 2900 1/min.

Operating range
From 1 a 440 m^3/h with head up to 70 meters.

Liquid temp. range from -10°C to +140°C.

Pumped liquid clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water.

Max. ambient temperature +40°C.

Maximum operating pressure
16 bar - 1600 kPa (per il DN 200 max 10 bar).

Protection rating IP 55.

Thermal category F.

Flanging
PN 16 DIN 2533.
PN 10 DIN 2532 per DN 200.

Installation fixed horizontally.

IE3 ≥ 0,75 kW

D+ CONNECT PAGE 11 | MCE-P PAGE 45 | SELECTION TABLES PAGE 178 | ACCESSORIES PAGE 245

KDNE - MCE-P - 4 POLES - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A				
			kW	HP					
KDNE 40-250/240/A/BAQE/1/3/4 MCE30/P	60192083	3 x 400 V	3	4	3	MCE30/P	65	40	158
KDNE 40-250/250/A/BAQE/1/4/4 MCE55/P	60192084	3 x 400 V	4	5,5	4	MCE55/P	65	40	209
KDNE 50-250/263/A/BAQE/1/5,5/4 MCE55/P	60192085	3 x 400 V	5,5	7,5	5,5	MCE55/P	65	50	182
KDNE 65-250/240/A/BAQE/1/5,5/4 MCE55/P	60192086	3 x 400 V	5,5	7,5	5,5	MCE55/P	80	65	210
KDNE 65-250/263/A/BAQE/1/7,5/4 MCE110/P	60167407	3 x 400 V	7,5	10	7,5	MCE110/P	80	65	270
KDNE 65-315/260/A/BAQE/1/7,5/4 MCE110/P	60167408	3 x 400 V	7,5	10	7,5	MCE110/P	80	65	305
KDNE 65-315/290/A/BAQE/1/11/4 MCE110/P	60167409	3 x 400 V	11	15	11	MCE110/P	80	65	310
KDNE 65-315/320/A/BAQE/1/15/4 MCE150/P	60167411	3 x 400 V	15	20	15	MCE150/P	80	65	310
KDNE 80-250/230/A/BAQE/1/7,5/4 MCE110/P	60167412	3 x 400 V	7,5	10	7,5	MCE110/P	100	80	232
KDNE 80-250/260/A/BAQE/1/11/4 MCE110/P	60167413	3 x 400 V	11	15	11	MCE110/P	100	80	271
KDNE 80-250/270/A/BAQE/1/15/4 MCE150/P	60167414	3 x 400 V	15	20	15	MCE150/P	100	80	290
KDNE 80-315/290/A/BAQE/1/15/4 MCE150/P	60167415	3 x 400 V	15	20	15	MCE150/P	100	80	403
KDNE100-250/260/A/BAQE/1/15/4 MCE150/P	60167416	3 x 400 V	15	20	15	MCE150/P	125	100	313
KDNE100-315/275/A/BAQE/1/15/4 MCE150/P	60167417	3 x 400 V	15	20	15	MCE150/P	125	100	313

KDNE - MCE-P

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER

KDNE - MCE-P - 2 POLES - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A				
			kW	HP					
KDNE 32-125.1/130/A/BAQE/1/2.2/2 MCE22/P	60192087	1x220-240 V	2,2	3	2,2	MCE22/P	50	32	104
KDNE 32-125.1/140/A/BAQE/1/3/2 MCE30/P	60192088	3 x 400 V	3	4	3	MCE30/P	50	32	111
KDNE 32-125/125/A/BAQE/1/2,2/2 MCE22/P	60192089	1x220-240 V	2,2	3	2,2	MCE22/P	50	32	97
KDNE 32-125/130/A/BAQE/1/3/2 MCE30/P	60192090	3 x 400 V	3	4	3	MCE30/P	50	32	105
KDNE 32-125/142/A/BAQE/1/4/2 MCE55/P	60192091	3 x 400 V	4	5,5	4	MCE55/P	50	32	126
KDNE 32-160.1/137/A/BAQE/1/1,5/2 MCE15/P	60192092	1x220-240 V	1,5	2	1,5	MCE15/P	50	32	98
KDNE 32-160.1/145/A/BAQE/1/2,2/2 MCE22/P	60192093	1x220-240 V	2,2	3	2,2	MCE22/P	50	32	106
KDNE 32-160.1/153/A/BAQE/1/3/2 MCE30/P	60192094	3 x 400 V	3	4	3	MCE30/P	50	32	111
KDNE 32-160.1/177/A/BAQE/1/5,5/2 MCE55/P	60192095	3 x 400 V	5,5	7,5	5,5	MCE55/P	50	32	145
KDNE 32-160/145/A/BAQE/1/3/2 MCE30/P	60192096	3 x 400 V	3	4	3	MCE30/P	50	32	111
KDNE 32-160/161/A/BAQE/1/5,5/2 MCE55/P	60192097	3 x 400 V	5,5	7,5	5,5	MCE55/P	50	32	145
KDNE 32-160/177/A/BAQE/1/7,5/2 MCE110/P	60167423	3 x 400 V	7,5	10	7,5	MCE110/P	50	32	152
KDNE 32-200.1/170/A/BAQE/1/3/2 MCE30/P	60192099	3 x 400 V	3	4	3	MCE30/P	50	32	149
KDNE 32-200.1/190/A/BAQE/1/5,5/2 MCE55/P	60192098	3 x 400 V	5,5	7,5	5,5	MCE55/P	50	32	152
KDNE 32-200.1/207/A/BAQE/1/7,5/2 MCE110/P	60167424	3 x 400 V	7,5	10	7,5	MCE110/P	50	32	179
KDNE 32-200/180/A/BAQE/1/5,5/2 MCE55/P	60192100	3 x 400 V	5,5	7,5	5,5	MCE55/P	50	32	152
KDNE 32-200/200/A/BAQE/1/7,5/2 MCE110/P	60167425	3 x 400 V	7,5	10	7,5	MCE110/P	50	32	190
KDNE 32-200/210/A/BAQE/1/ 11/2 MCE110/P	60167426	3 x 400 V	11	15	11	MCE110/P	50	32	250
KDNE 32-200/219/A/BAQE/1/15/2 MCE150/P	60167427	3 x 400 V	15	20	15	MCE150/P	50	32	261
KDNE 40-125/142/A/BAQE/1/5,5/2 MCE55/P	60192101	3 x 400 V	5,5	7,5	5,5	MCE55/P	65	40	143
KDNE 40-160/145/A/BAQE/1/5,5/2 MCE55/P	60192102	3 x 400 V	5,5	7,5	5,5	MCE55/P	65	40	169
KDNE 40-160/161/A/BAQE/1/7,5/2 MCE110/P	60167439	3 x 400 V	7,5	10	7,5	MCE110/P	65	40	178
KDNE 40-160/177/A/BAQE/1/11/2 MCE110/P	60167440	3 x 400 V	11	15	11	MCE110/P	65	40	186
KDNE 40-200/180/A/BAQE/1/7,5/2 MCE110/P	60167441	3 x 400 V	7,5	10	7,5	MCE110/P	65	40	160
KDNE 40-200/200/A/BAQE/1/11/2 MCE110/P	60167442	3 x 400 V	11	15	11	MCE110/P	65	40	234
KDNE 40-200/219/A/BAQE/1/15/2 MCE150/P	60167443	3 x 400 V	15	20	15	MCE150/P	65	40	244
KDNE 40-250/220/A/BAQE/1/15/2 MCE150/P	60167445	3 x 400 V	15	20	15	MCE150/P	65	40	291
KDNE 50-125/139/A/BAQE/1/7,5/2 MCE110/P	60167446	3 x 400 V	7,5	10	7,5	MCE110/P	65	50	156
KDNE 50-125/144/A/BAQE/1/11/2 MCE110/P	60167447	3 x 400 V	11	15	11	MCE110/P	65	50	156
KDNE 50-160/145/A/BAQE/1/7,5/2 MCE110/P	60167448	3 x 400 V	7,5	10	7,5	MCE110/P	65	50	190
KDNE 50-160/161/A/BAQE/1/11/2 MCE110/P	60167449	3 x 400 V	11	15	11	MCE110/P	65	50	201
KDNE 50-160/177/A/BAQE/1/15/2 MCE150/P	60167450	3 x 400 V	15	20	15	MCE150/P	65	50	213
KDNE 50-200/180/A/BAQE/1/11/2 MCE110/P	60167451	3 x 400 V	11	15	11	MCE110/P	65	50	199
KDNE 50-200/190/A/BAQE/1/15/2 MCE150/P	60167452	3 x 400 V	15	20	15	MCE150/P	65	50	293
KDNE 65-125/130/A/BAQE/1/7,5/2 MCE110/P	60167453	3 x 400 V	7,5	10	7,5	MCE110/P	80	65	159
KDNE 65-125/144/A/BAQE/1/11/2 MCE110/P	60167454	3 x 400 V	11	15	11	MCE110/P	80	65	188
KDNE 65-160/137/A/BAQE/1/7,5/2 MCE110/P	60167455	3 x 400 V	7,5	10	7,5	MCE110/P	80	65	186
KDNE 65-160/153/A/BAQE/1/11/2 MCE110/P	60167456	3 x 400 V	11	15	11	MCE110/P	80	65	196
KDNE 65-160/169/A/BAQE/1/15/2 MCE150/P	60167457	3 x 400 V	15	20	15	MCE150/P	80	65	233
KDNE 65-200/170/A/BAQE/1/15/2 MCE150/P	60167458	3 x 400 V	15	20	15	MCE150/P	80	65	292
KDNE 80-160/153-136/A/BAQE/1/15/2 MCE150/P	60167459	3 x 400 V	15	20	15	MCE150/P	100	80	311

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER FOR PRESSURIZATION SYSTEM

PERFORMANCE RANGE

KDNE - MCE-P - 4 POLES

> 1450 1/min

MODEL	Q (m^3/h) (l/min)	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
		0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
KDNE 40-250/240/A/BAQE/1/3/4 MCE30/P	H (m)	19.1	19	18.2	17	15.5																
KDNE 50-250/263/A/BAQE/1/5,5/4 MCE55/P		23	23	22.9	22.8	22.5	21.7	20.6	19.4	17.5												
KDNE 65-250/240/A/BAQE/1/5,5/4 MCE55/P		19			19	18.9	18.5	18.1	17.5	16.8	16	14.7	13.6									
KDNE 65-250/263/A/BAQE/1/7,5/4 MCE110/P		23.2			23	23	22.9	22.5	22.2	21.6	20.8	19.8	18.6	17.4	16							
KDNE 65-315/260/A/BAQE/1/7,5/4 MCE110/P		22.3			22.2	22.1	22	21.5	21	20.5	20	19.2	18.4	17	16	15						
KDNE 65-315/290/A/BAQE/1/11/4 MCE110/P		28.2			28.2	28.1	28	27.8	27.3	27	26.5	25.5	25	24	23.1	22	19.5					
KDNE 65-315/320/A/BAQE/1/15/4 MCE150/P		35.7			35.4	35.3	35.2	35.1	35	34.8	34.5	33.8	33.5	32.5	31.5	30.8	28	24.8				
KDNE 80-250/230/A/BAQE/1/7,5/4 MCE110/P		17.3						17.3	17.2	17.1	17	16.9	16.8	16.5	16	15.5	14.3	12.4				
KDNE 80-250/260/A/BAQE/1/11/4 MCE110/P		22.6						22.5	22.5	22.4	22.3	22.2	22.1	22	21.8	21.4	20.6	19.6	19	15.1		
KDNE 80-250/270/A/BAQE/1/15/4 MCE150/P		24.5						24.4	24.4	24.4	24.3	24.2	24.1	24	23.7	23.3	22.4	21.4	20.7	16.3		
KDNE 80-315/290/A/BAQE/1/15/4 MCE150/P		27.8							27.8	27.8	27.7	27.7	27.6	27.6	27.5	27.4	26.5	25	24.6	19.1		
KDNE100-250/260/A/BAQE/1/15/4 MCE150/P		22.3									22.1	22.1	22.1	22	21.9	21.8	21.7	21.5	21.4	19.8	17.7	15.1
KDNE100-315/275/A/BAQE/1/15/4 MCE150/P		25.1									25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19	

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER - FOR PRESSURIZATION SYSTEM

PERFORMANCE RANGE

KDNE - MCE-P - 2 POLES

> 2900 1/min

MODEL	Q (m^3/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000
KDNE 32-125.1/130/A/BAQE/1/2.2/2 MCE22/P		22.3	22.2	21.3	19																			
KDNE 32-125.1/140/A/BAQE/1/3/2 MCE30/P		26.5	26.4	25.6	23.4	20.1																		
KDNE 32-125/125/A/BAQE/1/2,2/2 MCE22/P		20.9		20.1	18.9	16.9	13.5																	
KDNE 32-125/130/A/BAQE/1/3/2 MCE30/P		22.9		22	21	19.1	16.2																	
KDNE 32-125/142/A/BAQE/1/4/2 MCE55/P		27.8		27	26.1	24.5	21.7	18																
KDNE 32-160.1/137/A/BAQE/1/1,5/2 MCE15/P		21.5	21.2	19.3																				
KDNE 32-160.1/145/A/BAQE/1/2,2/2 MCE22/P		24.7	24.5	22.3	16.5																			
KDNE 32-160.1/153/A/BAQE/1/3/2 MCE30/P		28.3	28	26	20.5																			
KDNE 32-160.1/177/A/BAQE/1/5,5/2 MCE55/P		39.5	39.3	38.2	34.5	26																		
KDNE 32-160/145/A/BAQE/1/3/2 MCE30/P		27		25.8	23.9	21.2	16.9																	
KDNE 32-160/161/A/BAQE/1/5,5/2 MCE55/P		34		33	31.7	29.1	25.5																	
KDNE 32-160/177/A/BAQE/1/7,5/2 MCE110/P		41.8		41.5	40.5	38.4	35.3	31.4																
KDNE 32-200.1/170/A/BAQE/1/3/2 MCE30/P		34.3	34.2	31.9	23.5																			
KDNE 32-200.1/190/A/BAQE/1/5,5/2 MCE55/P		45.3	44.7	41.5	35.5																			
KDNE 32-200.1/207/A/BAQE/1/7,5/2 MCE110/P		55.3	55	51.8	46.4	37																		
KDNE 32-200/180/A/BAQE/1/5,5/2 MCE55/P		39		38.5	36.5	32.5	28																	
KDNE 32-200/200/A/BAQE/1/7,5/2 MCE110/P		51		49	48	45	40.5	35																
KDNE 32-200/210/A/BAQE/1/ 11/2 MCE110/P		57		56	55	52.5	48.5	43	36															
KDNE 32-200/219/A/BAQE/1/15/2 MCE150/P		63		62	61	59	56.5	52.5	46.5	39.5														
KDNE 40-125/142/A/BAQE/1/5,5/2 MCE55/P		26.8		26.6	26.4	26	25.3	24.4	23	21.4	19.4	17												
KDNE 40-160/145/A/BAQE/1/5,5/2 MCE55/P	H (m)	27.5			27.4	27	25.7	24.2	22.1	19.5														
KDNE 40-160/161/A/BAQE/1/7,5/2 MCE110/P		34.5			34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5												
KDNE 40-160/177/A/BAQE/1/11/2 MCE110/P		42.6			42.5	42.4	42	41.5	40	38.5	35	33	30											
KDNE 40-200/180/A/BAQE/1/7,5/2 MCE110/P		38.8			38.5	38	37	35	32.5	29	25													
KDNE 40-200/200/A/BAQE/1/11/2 MCE110/P		48.7			48.4	48.2	47.5	46.5	44	41.5	38.5	34.5												
KDNE 40-200/219/A/BAQE/1/15/2 MCE150/P		60			59.8	59.7	59.4	59	57	55	52.5	49.5	46	40										
KDNE 40-250/220/A/BAQE/1/15/2 MCE150/P		63.1			62.8	62.5	61	59	57	55	52	48												
KDNE 50-125/139/A/BAQE/1/7,5/2 MCE110/P		24.7					24.5	24.3	24	23.5	23	22.4	21.6	20.8	20	19.2	18	15.5						
KDNE 50-125/144/A/BAQE/1/11/2 MCE110/P		25.9					26.5	26.4	26.1	25.6	25.1	24.5	24	23.2	22.3	21.5	20.5	17.8	15					
KDNE 50-160/145/A/BAQE/1/7,5/2 MCE110/P		27.2					27	26.9	26.6	26.4	25.5	25	23.8	23	21.5	20.5	19							
KDNE 50-160/161/A/BAQE/1/11/2 MCE110/P		33.8					33.7	33.7	33.6	33.6	33.3	32.5	31.8	31	29.8	28.5	27.5							
KDNE 50-160/177/A/BAQE/1/15/2 MCE150/P		41.6					41.5	41.5	41.3	41.2	41	40.6	40.5	39.5	38.8	38	36.7	33.5						
KDNE 50-200/180/A/BAQE/1/11/2 MCE110/P		42.5					42	41.7	41.4	40.5	39.5	38	36	34	32	29								
KDNE 50-200/190/A/BAQE/1/15/2 MCE150/P		47.2					46.8	46.6	46	45.7	44.5	43.5	42	40	38	35.5	33							
KDNE 65-125/130/A/BAQE/1/7,5/2 MCE110/P		21								19.6	19.5	19.1	18.9	18.5	18	17.5	17	15.7	14.2	13.2				
KDNE 65-125/144/A/BAQE/1/11/2 MCE110/P		25.6								25.5	25.4	25.2	25	24.6	24.3	24	23.4	22.5	21.1	20.2	16			
KDNE 65-160/137/A/BAQE/1/7,5/2 MCE110/P		23.1								22.4	22	21.7	21.3	20.5	19.7	19	18	16						
KDNE 65-160/153/A/BAQE/1/11/2 MCE110/P		29.1								28.8	28.5	28.6	28.5	28	27.5	26.6	26	24	22	21				
KDNE 65-160/169/A/BAQE/1/15/2 MCE150/P		36.4								36.3	36.2	36.1	36	35.7	35.3	34.7	34	32.7	31	30				
KDNE 65-200/170/A/BAQE/1/15/2 MCE150/P		37.2								36.8	36.7	36.6	36.5	36	35	34	32.5	30	27	25				
KDNE 80-160/153-136/A/BAQE/1/15/2 MCE150/P		25.6															24.5	23.8	23	22.5	20.2	17.5	15	11.8

KVCE 30, 50, 80, 120 - MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

Vertical multistage centrifugal pump suitable for small and medium consumption water systems.
Particularly versatile thanks to the use of the **MCE-P** inverter, this pump guarantees the automatic adjustment of its performance to the various system requirements, while maintaining constant the differential pressure.
Suitable for booster sets, feeding of drip and spray irrigation systems and washing systems.
Innovative and sturdy design.
Discharge/suction body in technopolymer and IN-LINE suction and discharge ports with threaded metal insert.
Impellers, diffuser bodies and diffusers in technopolymer, entirely stainless.
Pump liner, wear rings and seal plate in AISI 304 stainless steel.
Mechanical seal in carbon/ceramic, mounted on motor shaft extension in stainless steel AISI 303.
Asynchronous, closed motor cooled by external ventilation.
Motor shaft mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Construction to CEI 2-3 and CEI 61-69 (EN 60335-2-41).

Protection rating IP 55.

Insulation class F.

Standard voltage
Single-phase 1x220-240 V / 50/60 Hz.
Three-phase 3x400 V / 50 Hz.

Operating range
From 1 to 12 m³/h with head up to 107 meters.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to the properties of water.

Liquid temperature range
From 0°C to +35°C for domestic use (Safety standards EN 60335-2-41).
From 0°C to +40°C for other uses.

Maximum ambient temperature +40°C.

Maximum working pressure 12 bar (1200 kPa).

Installation fixed, in a vertical position.

D+ CONNECT PAGE 11 MCE-P PAGE 45 ACCESSORIES PAGE 245

KVCE 30, 50, 80, 120 - MCE-P - FOR PRESSURIZATION SYSTEM

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA																		DNA GAS	DNM GAS	H mm	Weight KG
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	0,6	1,2	1,8	2,4	3	3,3	3,9	4,8	5,4	6	7,2	8,4	9	9,6	10,8	12				
						Q=l/min	0	10	20	30	40	50	55	65	80	90	100	120	140	150	160	180	200				
KVCE 35-30 M MCE11/P	60183574	1 x 230V	0,45	0,6	7,6	H (m)	40,2	39,3	37,3	34,1	29,8	24,3	21,0	13,5										1"¼	1"¼	560	19,5
KVCE 45-30 M MCE11/P	60183658	1 x 230V	0,65	0,88	8,4		49,7	48,7	46,5	43,1	38,4	32,1	28,5	19,6										1"¼	1"¼	560	19,9
KVCE 50-30 M MCE11/P	60183659	1 x 230V	0,75	1,0	9,6		61,5	59,9	56,8	52,2	46,0	38,0	33,5	22,7										1"¼	1"¼	652	22,5
KVCE 60-30 M MCE11/P	60183660	1 x 230V	0,9	1,2	10,7		69,6	67,6	64,0	58,5	51,1	41,8	36,2	23,8										1"¼	1"¼	652	22,3
KVCE 65-30 M MCE11/P	60183661	1 x 230V	1	1,36	11,6		78,4	76,8	73,5	68,4	61,2	51,9	46,0	33,3										1"¼	1"¼	679	23,9
KVCE 30-50 M MCE11/P	60144871	1 x 230V	0,55	0,75	8,51		41,1	40,3	39,0	37,3	34,7	31,6	29,7	25,3	17,1									1"¼	1"¼	506	19,1
KVCE 40-50 M MCE11/P	60144872	1 x 230V	0,8	1,1	10,2		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9									1"¼	1"¼	562	22,4
KVCE 55-50 M MCE11/P	60144873	1 x 230V	1,0	1,4	12		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6									1"¼	1"¼	562	22,4
KVCE 65-50 M MCE11/P	60201913	1 x 230V	1,1	1,5	14,6		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3									1"¼	1"¼	655	26,4
KVCE 30-80 M MCE11/P	60183754	1 x 230V	0,9	1,2	10,2		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7				1"¼	1"¼	505	18,7
KVCE 40-80 M MCE11/P	60183745	1 x 230V	1	1,36	12,4		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5				1"¼	1"¼	560	23
KVCE 45-80 M MCE15/P	60201923	1 x 230V	1,5	2	15,5		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1				1"¼	1"¼	634	23
KVCE 35-120 M MCE11/P	60201915	1 x 230V	1,1	1,5	16		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	24,2	18,0	11,0	1"¼	1"¼	505	23,8
KVCE 45-120 M MCE22/P	60201916	1 x 230V	1,84	2,5	19,5		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	34,0	26,3	17,0	1"¼	1"¼	635	29,0
KVCE 60-120 T MCE30/P	60201917	3 x 400V	2,2	3,0	6,91		78,0	77,5	76,7	75,9	75,1	73,9	73,3	71,5	68,3	65,9	63,2	58,0	51,0	47	43,4	35,0	24,5	1"¼	1"¼	635	27,1
KVCE 70-120 T MCE30/P	60201918	3 x 400V	2,2	3,0	8,26		95,0	94,3	93,4	92,5	91,4	89,8	88,9	86,8	83,2	80,5	77,9	71,7	63,9	59,2	54,7	44,0	31,0	1"¼	1"¼	730	30,8
KVCE 85-120 T MCE30/P	60201929	3 x 400V	2,2	3,0	9,18		112,7	111,6	110,3	109,0	107,6	105,7	104,5	101,9	97,5	94,1	89,9	81,6	72,1	66,7	61,2	48,9	34,0	1"¼	1"¼	730	30,8

NKVE 1, 3, 6 ,10, 15, 20 - S MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

The image of the product is purely indicative.

Vertical multi-impeller centrifugal pumps in AISI 304 stainless steel (versions 1 S, 3 S, 6 S, 10 S, 15 S, 20 S) or in cataphoresis cast iron (NKVE 32, 45, 65, 95) with joint and with MCE-P variable frequency drive installed as standard, designed for pressurization activities in commercial building service, usable also in agriculture in irrigation systems and washing systems.
Impellers, diffusers and pump liner made of AISI 304 stainless steel (AISI 316 stainless steel available on request - X version).
Centre distance between the two in-line ports designed to maximize interchangeability.
Starting from 5,5 kW models, the mechanical seal can be removed without removing the motor.
Mechanical seals for aggressive liquids and different connections (round, oval, Victaulic, clamp, flanges).
All models in stainless steel AISI 316 - version X - are certified for use with drinking water (WRAS and ACS certifications).
Coupled by means of a removable rigid joint to high energy efficiency IE3 electric motors.
DConnect compatible (with DConnect Box supplied separately).

Operating range (flow rate and head)
1 m³/h to 30 m³/h with head up to 320 m.

Type of pumped liquid Clean, free of solids and abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum % of glycol 30%.

Min. and max. supported liquid temperature
-30°C to +120°C (EPDM).
-15°C to +120°C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum operating pressure bar / kPa
25 bar / 2500 kPa.

Class of protection IP 55.

Motor insulation class F.

Impeller/s material
AISI 304 stainless steel for NKV S.
AISI 316 stainless steel for NKV X (only on request).

Single phase power input 1x230 V up to 2,2 kW.

Three phase power input
380 - 415 V at 50 Hz from 3 kW.

Possible type of installation Vertical position.

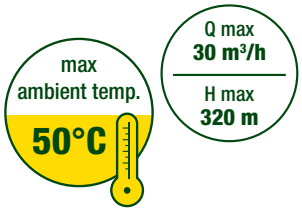
Special versions on request
Yes, available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic, clamp flanges), **with parts in contact with the liquid in AISI 316 stainless steel (X versions)**, other voltages and frequencies.

D+ CONNECT PAGE 11 | MCE-P PAGE 45 | ACCESSORIES PAGE 245

HIGH EFFICIENCY

The NKVE pumps are supplied with the new **premium efficiency motors** and comply with the highest energy efficiency standards on the water handling market.

PERFORMANCE FOR EVERY NEED



They offer incredible application flexibility thanks to a complete performance range and the ability to work with ambient temperatures up to 50°C.

ROBUSTNESS AND RELIABILITY

All parts in contact with liquids are made of AISI 304 stainless steel (AISI 316 X versions).
DAB construction quality guarantees solidity and greater resistance to wear and tear.

THE EASIEST REPLACEMENT EVER

In addition, the new range has been designed to simplify replacement thanks to the standard flanges and standard centre distances.

NKVE 15 / 10 S 110 E1 IE3

NOMINAL FLOW (m³/h)
NUMBER OF STAGES/IMPELLERS
MATERIALS*: S=AISI 304 ; X=AISI 316
MOTOR POWER P2 kW x 10 (110 = 11kW)
Mechanical seal Type (E1=STANDARD)
E1=BQGE=Graphite/Silicon Carbide/AISI 316/EPDM
E2=QQGE=Sil. Carbide/Sil. Carbide/AISI 316/EPDM
V3=QQGV=Sil. Carbide/Sil. Carbide/AISI 316/FKM
V4=BQGV=Graphite/Sil. Carbide/AISI 316/FKM
E5=UUGE=Tungsten C/Tungsten C/AISI 316/EPDM
Motor efficiency

* MATERIALS:
"S" version with pump body/impellers/diffusers in stainless steel AISI 304
"X" version with pump body/ impellers/diffusers in stainless steel AISI 316

NKVE 1, 3, 6 ,10, 15, 20 - S MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

NKVE 1 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m3/h	0	0.5	1	1.5	2	2.5					
			kW	HP		Q=l/min	0	8.3	16.7	25.0	33.3	42					
NKVE 1/03 S 003 M MCE11/P	60206471	1 x 230 V	0,4	0,5	5,5	H (m)	21.5	20,0	19,0	17,0	14,0	11,0	25	25	752	250	23,8
NKVE 1/05 S 003 M MCE11/P	60206472	1 x 230 V	0,4	0,5	5,5		35,0	33,0	30.5	27,0	22.5	17,0	25	25	797	250	24,8
NKVE 1/07 S 003 M MCE11/P	60206473	1 x 230 V	0,4	0,5	5,5		48,0	45,0	41.5	36.5	30,0	22,0	25	25	842	250	25,8
NKVE 1/09 S 005 M MCE11/P	60206467	1 x 230 V	0,6	0,8	7,2		61.5	58,0	53,0	47,0	39,0	28.5	25	25	887	250	27,2
NKVE 1/11 S 005 M MCE11/P	60206468	1 x 230 V	0,6	0,8	7,2		74.5	69.5	64,0	56.5	46.5	34,0	25	25	932	250	28,2
NKVE 1/13 S 007 M MCE11/P	60190493	1 x 230 V	0,8	1,0	8,1		89.5	84.5	77.5	68.5	57,0	42,0	25	25	993	250	32,5
NKVE 1/15 S 007 M MCE11/P	60190494	1 x 230 V	0,8	1,0	8,1		102.5	96,0	88,0	78,0	64,0	47,0	25	25	1038	250	33,0
NKVE 1/19 S 011 M MCE11/P	60190495	1 x 230 V	1,1	1,5	10,9		131,0	123.5	114,0	101,0	84,0	62,0	25	25	1128	250	36,6
NKVE 1/22 S 011 M MCE11/P	60190496	1 x 230 V	1,1	1,5	10,9		150.5	141.5	130,0	115,0	95,0	69.5	25	25	1195	250	38,1
NKVE 1/25 S 015 M MCE11/P	60190497	1 x 230 V	1,5	2,0	13,9		174,0	164,0	151.5	134.5	112,0	83.5	25	25	1308	250	43,0
NKVE 1/30 S 015 M MCE11/P	60190498	1 x 230 V	1,5	2,0	13,9		206.5	194.5	179,0	158,0	131,0	96.5	25	25	1420	250	45,0
NKVE 1/34 S 022 M MCE15/P	60207569	1 x 230 V	2,2	3,0	19,4		238,0	225.5	208.5	185.5	155.5	116.5	25	25	1510	250	49,0
NKVE 1/37 S 022 M MCE15/P	60207570	1 x 230 V	2,2	3,0	19,4		258,0	244,0	225.5	200.5	167.5	125,0	25	25	1578	250	50,5

NKVE 3 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m3/h	0	1	1.5	2	2.5	3	3.5	4	4.5					
			kW	HP		Q=l/min	0	16.7	25.0	33.3	42	50.0	58.3	67	75.0					
NKVE 3/04 S 003 M MCE11/P	60206474	1 x 230 V	0,4	0,5	5,5	H (m)	30,0	28,5	27,5	26,0	24,0	21,5	18,5	15,0	10,5	25	25	774	250	24,3
NKVE 3/06 S 005 M MCE11/P	60206469	1 x 230 V	0,6	0,8	5,5		44,5	42,5	40,5	38,5	35,5	32,0	27,0	21,5	15,0	25	25	819	250	25,7
NKVE 3/09 S 007 M MCE11/P	60190503	1 x 230 V	0,8	1,0	5,5		67,0	64,0	61,5	58,0	53,5	48,0	41,0	32,5	22,5	25	25	903	250	30,5
NKVE 3/11 S 011 M MCE11/P	60190504	1 x 230 V	1,1	1,5	7,2		82,5	79,5	76,5	72,5	67,0	60,5	52,0	42,0	29,5	25	25	948	250	33,1
NKVE 3/13 S 011 M MCE11/P	60190505	1 x 230 V	1,1	1,5	7,2		96,5	93,0	89,0	84,5	78,0	70,0	60,0	47,5	33,5	25	25	993	250	34,1
NKVE 3/15 S 015 M MCE11/P	60190506	1 x 230 V	1,5	2,0	8,1		112,5	109,0	105,0	99,5	92,5	83,0	71,5	58,0	41,5	25	25	1083	250	38,5
NKVE 3/17 S 015 M MCE11/P	60190507	1 x 230 V	1,5	2,0	8,1		127,0	122,5	118,0	111,5	103,5	93,0	80,0	64,0	45,5	25	25	1128	250	39,0
NKVE 3/21 S 022 M MCE15/P	60190508	1 x 230 V	2,2	3,0	10,9		158,5	153,5	148,0	140,5	130,5	118,0	102,0	83,0	60,0	25	25	1218	250	43,0
NKVE 3/25 S 022 T MCE30/P	60187820	3 x 380-415Δ	2,2	3,0	10,9		187,5	181,0	174,5	165,5	153,5	138,0	119,0	96,0	68,5	25	25	1308	250	45,0
NKVE 3/29 S 030 T MCE30/P	60187821	3 x 380-415Δ	3,0	4,0	13,9		220,0	213,5	206,5	196,5	183,5	166,0	144,0	117,5	86,0	25	25	1447	250	57,3
NKVE 3/33 S 030 T MCE30/P	60190509	3 x 380-415Δ	3,0	4,0	13,9		249,5	242,0	234,0	222,0	206,5	187,0	162,0	131,5	95,5	25	25	1537	250	59,3

NKVE 1, 3, 6 ,10, 15, 20 - S MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

NKVE 6 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m3/h	0	3	3.5	4	4.5	5	5.4	6	7					
						Q=l/min	0	50.0	58.3	67	75.0	83.3	90	100.0	116.7					
NKVE 6/02 S 003 M MCE11/P	60206475	1 x 230 V	0,4	0,5	5,5		15,0	13.5	13,0	12.5	12,0	11.5	11,0	10,0	8,0	32	32	736	250	23,8
NKVE 6/04 S 005 M MCE11/P	60206470	1 x 230 V	0,6	0,8	7,2		29.5	26,0	25,0	24,0	22.5	21.5	20.5	18.5	14.5	32	32	788	250	25,2
NKVE 6/06 S 007 M MCE11/P	60190512	1 x 230 V	0,8	1,0	8,1		44.5	39.5	37.5	36,0	34,0	32.5	30.5	28,0	22,0	32	32	856	250	29,5
NKVE 6/09 S 011 M MCE11/P	60190513	1 x 230 V	1,1	1,5	10,9		67,0	59,0	56.5	54,0	51.5	48.5	46,0	42.5	33.5	32	32	934	250	32,6
NKVE 6/11 S 015 M MCE11/P	60190514	1 x 230 V	1,5	2,0	13,9		82.5	73.5	71,0	67.5	64.5	61,0	58,0	53.5	42.5	32	32	1031	250	37,5
NKVE 6/13 S 015 M MCE11/P	60190515	1 x 230 V	1,5	2,0	13,9		97,0	86,0	82,0	78.5	74.5	70.5	67,0	61.5	48.5	32	32	1083	250	38,5
NKVE 6/16 S 022 M MCE15/P	60190516	1 x 230 V	2,2	3,0	19,4	H (m)	120.5	108,0	104,0	99,0	94.5	89.5	85.5	78.5	62.5	32	32	1161	250	42,0
NKVE 6/19 S 030 T MCE30/P	60207573	1 x 230 V	2,2	3,0	19,4		142,0	126.5	121.5	115.5	110,0	104,0	99,0	91,0	72,0	32	32	1239	250	43,5
NKVE 6/21 S 030 T MCE30/P	60190518	3 x 380-415Δ	3,0	4,0	7,1		159,0	144.5	139,0	133,0	127,0	120.5	115,0	106,0	85.5	32	32	1340	250	54,8
NKVE 6/25 S 030 T MCE30/P	60190519	3 x 380-415Δ	3,0	4,0	7,1		189,0	170,0	164,0	157.5	150.5	142.5	135.5	123.5	98.5	32	32	1444	250	56,8
NKVE 6/28 S 040 T MCE30/P	60190520	3 x 380-415Δ	4,0	5,5	8,9		214,0	194.5	188,0	181,0	173.5	164.5	156.5	143,0	115.5	32	32	1522	250	62,0
NKVE 6/33 S 040 T MCE30/P	60190521	3 x 380-415Δ	4,0	5,5	8,9		251.5	227,0	219.5	211,0	201.5	191,0	182,0	166,0	133.5	32	32	1652	250	65,0
*NKVE 6/36 S 055 T MCE55/P	60190522	3 x 380-415Δ	5,5	7,5	12,6		275,0	249.5	241.5	232.5	222.5	211.5	201.5	184,0	148.5	32	32	1928	250	93,1

* Only available with Victaulic type connection®

NKVE 10 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m3/h	0	3	5	6	7	8	9	10	11	14					
						Q=l/min	0	50.0	83.3	100.0	116.7	133	150.0	166.7	183	233.3					
NKVE 10/02 S 007 M MCE11/P	60190523	1 x 230 V	0,8	1,0	8,1		20,0	20,0	19,0	18.5	17.5	17,0	16,0	15,0	13.5	9,0	40	40	773	280	28,5
NKVE 10/03 S 011 M MCE11/P	60185542	1 x 230 V	1,1	1,5	10,9		30,0	30,0	28.5	27.5	26.5	25.5	24,0	22.5	20.5	13.5	40	40	803	280	31,1
NKVE 10/04 S 015 M MCE11/P	60190524	1 x 230 V	1,5	2,0	13,9		40.5	40,0	38.5	37,0	35.5	34,0	32.5	30.5	28,0	18,0	40	40	878	280	35,0
NKVE 10/05 S 015 M MCE11/P	60190525	1 x 230 V	1,5	2,0	13,9		50.5	49.5	47,0	45.5	43.5	41.5	39.5	37,0	33.5	21.5	40	40	908	280	35,5
NKVE 10/06 S 022 M MCE15/P	60188934	1 x 230 V	2,2	3,0	19,4		61,0	60.5	57.5	56,0	54,0	51.5	49,0	46,0	42,0	27.5	40	40	938	280	38,5
NKVE 10/07 S 022 M MCE15/P	60190526	1 x 230 V	2,2	3,0	19,4		70.5	70,0	66.5	64.5	62,0	59.5	56,0	52.5	48,0	31,0	40	40	968	280	39,0
NKVE 10/08 S 030 T MCE30/P	60190527	3 x 380-415Δ	3,0	4,0	7,1		81.5	81,0	78,0	75.5	73,0	70,0	66.5	62.5	57.5	38,0	40	40	1047	280	50,3
NKVE 10/09 S 030 T MCE30/P	60190528	3 x 380-415Δ	3,0	4,0	7,1	H (m)	91.5	91,0	87.5	84.5	81.5	78,0	74,0	69.5	64,0	42,0	40	40	1077	280	50,8
NKVE 10/10 S 040 T MCE30/P	60190529	3 x 380-415Δ	4,0	5,5	8,9		102.5	102.5	99,0	96,0	93,0	89,0	84.5	79.5	73.5	49,0	40	40	1107	280	55,0
NKVE 10/12 S 040 T MCE30/P	60190530	3 x 380-415Δ	4,0	5,5	8,9		123,0	122.5	117.5	114,0	110,0	105.5	100.5	94,0	87,0	57.5	40	40	1167	280	56,5
NKVE 10/15 S 055 T MCE55/P	60190531	3 x 380-415Δ	5,5	7,5	12,6		153.5	153,0	147,0	142.5	138,0	132,0	125.5	118,0	109,0	72,0	40	40	1454	280	85,1
NKVE 10/17 S 055 T MCE55/P	60190532	3 x 380-415Δ	5,5	7,5	12,6		173.5	172.5	165.5	160.5	155,0	148.5	141,0	132.5	122,0	80.5	40	40	1514	280	86,1
NKVE 10/19 S 075 T MCE55/P	60190533	3 x 380-415Δ	7,5	10,0	16,5		195,0	194.5	187.5	182,0	176,0	169,0	160.5	151,0	139.5	93,0	40	40	1646	280	96,0
NKVE 10/23 S 075 T MCE55/P	60190534	3 x 380-415Δ	7,5	10,0	16,5		235.5	234,0	225,0	218.5	211,0	202,0	192,0	180.5	166.5	110,0	40	40	1766	280	98,5
NKVE 10/24 S 110 T MCE110/P	60190535	3 x 380-415Δ	11,0	15,0	24,8		248,0	247,0	240.5	234,0	227,0	218,0	208,0	196,0	182,0	122.5	40	40	1891	280	124,5

NKVE 1, 3, 6 ,10, 15, 20 - S MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

NKVE 15 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m3/h	0	8	10	12	14	16	18	20	22	24					
						Q=l/min	0	133	167	200	233	266	300	333	367	400					
NKVE 15/02 S 015 M MCE15/P	60207585	1 x 230 V	2,2	3,0	8,1		29,0	26,0	25,0	24,0	23,0	21.5	19.5	17,0	14,0	11,0	50	50	878	300	43,0
NKVE 15/03 S 022 M MCE22/P	60207586	3 x 380-415Δ	3,0	4,0	10,9		43.5	39,0	38,0	36.5	34.5	32.5	29.5	26,0	21.5	17,0	50	50	975	300	54,8
NKVE 15/04 S 030 T MCE55/P	60207603	3 x 380-415Δ	4,0	5,5	13,9		58,0	52.5	51,0	49,0	46.5	44,0	40.5	35.5	29.5	23.5	50	50	1023	300	60,0
NKVE 15/05 S 040 T MCE55/P	60190538	3 x 380-415Δ	4,0	5,5	13,9		72.5	65.5	63.5	60.5	57.5	54.5	49.5	43,0	36,0	28.5	50	50	1071	300	61,5
NKVE 15/06 S 055 T MCE55/P	60190539	3 x 380-415Δ	5,5	7,5	19,4		87.5	79.5	77,0	74,0	71,0	67,0	61.5	54,0	46,0	36.5	50	50	1328	300	90,1
NKVE 15/07 S 055 T MCE55/P	60190540	3 x 380-415Δ	5,5	7,5	19,4		102,0	92,0	89,0	86,0	82,0	77.5	70.5	62,0	52.5	41.5	50	50	1376	300	91,6
NKVE 15/08 S 075 T MCE55/P	60190541	3 x 380-415Δ	7,5	10,0	7,1	H (m)	117,0	106.5	103,0	99.5	95,0	90,0	82.5	72.5	62,0	49,0	50	50	1496	300	101,5
NKVE 15/09 S 075 T MCE55/P	60190542	3 x 380-415Δ	7,5	10,0	7,1		131.5	119,0	115.5	111,0	106,0	100.5	92,0	81,0	69,0	54.5	50	50	1544	300	103,0
NKVE 15/10 S 110 T MCE110/P	60190543	3 x 380-415Δ	11,0	15,0	8,9		147.5	134.5	131,0	126.5	121,0	115,0	106,0	94,0	80.5	65,0	50	50	1687	300	130,0
NKVE 15/12 S 110 T MCE110/P	60190544	3 x 380-415Δ	11,0	15,0	8,9		176.5	161,0	156.5	151,0	144.5	137.5	126.5	112,0	96,0	77,0	50	50	1783	300	133,0
NKVE 15/14 S 110 T MCE110/P	60190545	3 x 380-415Δ	11,0	15,0	12,6		205.5	187.5	182,0	175.5	168,0	159,0	146,0	129,0	110.5	88,0	50	50	1879	300	136,0
NKVE 15/16 S 150 T MCE150/P	60190546	3 x 380-415Δ	15,0	20,0	12,6		235.5	214,0	208,0	200.5	192,0	182.5	167.5	148,0	126.5	101.5	50	50	2026	300	147,5
NKVE 15/17 S 150 T MCE150/P	60190547	3 x 380-415Δ	15,0	20,0	16,5		249.5	227.5	220.5	213,0	203.5	193,0	177.5	156.5	134,0	107,0	50	50	2074	300	149,0

NKVE 20 - S MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m3/h	0	10	12	14	16	18	20	22	24	28					
						Q=l/min	0	167	200	233	266	300	333	367	400	467					
NKVE 20/02 S 022 M MCE15/P	60190548	1 x 230 V	2,2	3,0	8,1		31,0	27,5	27,0	26,0	25,0	24,0	22,5	20,5	18,0	12,0	50	50	878	300	43,0
NKVE 20/03 S 030 T MCE30/P	60190549	3 x 380-415Δ	3,0	4,0	10,9		46,5	41,5	40,5	39,5	38,0	36,5	34,5	31,0	27,5	18,5	50	50	975	300	54,8
NKVE 20/04 S 040 T MCE55/P	60190550	3 x 380-415Δ	4,0	5,5	13,9		62,5	56,0	55,0	53,5	51,5	49,5	46,5	42,5	37,0	25,5	50	50	1023	300	60,0
NKVE 20/05 S 055 T MCE55/P	60189126	3 x 380-415Δ	5,5	7,5	13,9		78,0	70,0	68,5	66,5	64,5	62,0	58,0	53,0	47,0	32,5	50	50	1280	300	89,1
NKVE 20/06 S 075 T MCE55/P	60190551	3 x 380-415Δ	7,5	10,0	19,4		94,5	86,5	84,5	82,5	80,0	77,5	73,5	67,5	60,0	42,5	50	50	1400	300	99,0
NKVE 20/07 S 075 T MCE55/P	60190552	3 x 380-415Δ	7,5	10,0	19,4	H (m)	110,0	100,5	98,0	95,5	93,0	90,0	85,0	77,5	69,0	48,5	50	50	1448	300	100,0
NKVE 20/08 S 110 T MCE110/P	60190553	3 x 380-415Δ	11,0	15,0	7,1		126,5	117,0	114,0	112,0	109,0	106,0	100,5	92,5	82,5	59,5	50	50	1591	300	127,5
NKVE 20/09 S 110 T MCE110/P	60190554	3 x 380-415Δ	11,0	15,0	7,1		142,5	131,0	128,0	125,5	122,0	118,5	112,5	103,5	92,5	66,5	50	50	1639	300	129,0
NKVE 20/10 S 110 T MCE110/P	60190555	3 x 380-415Δ	11,0	15,0	8,9		158,0	145,5	142,0	139,0	135,0	131,5	124,5	114,0	102,0	73,0	50	50	1687	300	130,0
NKVE 20/12 S 150 T MCE150/P	60190556	3 x 380-415Δ	15,0	20,0	8,9		189,5	174,5	170,5	167,0	162,0	157,5	149,0	137,0	122,5	87,5	50	50	1834	300	142,0
NKVE 20/14 S 150 T MCE150/P	60190557	3 x 380-415Δ	15,0	20,0	12,6		220,5	202,5	198,0	193,5	188,0	182,5	172,5	158,0	141,0	100,5	50	50	1930	300	145,0

SPECIAL VERSION

MODEL
NKVE 1 - 3 - 6 - 10
NKVE 15 - 20

VERSION WITH SPECIAL MECHANICAL SEALS

(1) **Mech. seal SPECIAL type E2 =** SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
(2) **Mech. seal SPECIAL type V3 =** SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
(3) **Mech. seal SPECIAL type V4 =** SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
(4) **Mech. seal SPECIAL type E5 =** WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKVE 32, 45, 65, 95 - MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

The image of the product is purely indicative.

Vertical multi-impeller centrifugal pumps in AISI 304 stainless steel (versions 1 S, 3 S, 6 S, 10 S, 15 S, 20 S) or in cataphoresis cast iron (NKVE 32, 45, 65, 95) with joint and with MCE-P variable frequency drive installed as standard, designed for pressurization activities in commercial building service, usable also in agriculture in irrigation systems and washing systems.
Impellers, diffusers and pump liner made of AISI 304 stainless steel (AISI 316 stainless steel available on request - X version).
Centre distance between the two in-line ports designed to maximize interchangeability.
Starting from 5,5 kW models, the mechanical seal can be removed without removing the motor.
Mechanical seals for aggressive liquids and different connections (round, oval, Victaulic, clamp, flanges).
All models in stainless steel AISI 316 - version X - are certified for use with drinking water (WRAS and ACS certifications).
Coupled by means of a removable rigid joint to high energy efficiency IE3 electric motors.
DConnect compatible (with DConnect Box supplied separately).

Operating range
From 1 m^3/h to 120 m^3/h with head up to 320 m.

Type of pumped liquid Clean, free of solids and abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum % of glycol 30%.

Min. and max. supported liquid temperature
From -30 to +120°C (EPDM).
From -15°C to +120°C (Viton/FKM).

Class of protection IP 55.

Motor insulation class F.

Impeller/s material
AISI 304 stainless steel.
AISI 316 for NKV X only on request.

Single phase power input 1x230 V up to 2,2 kW.

Three phase power input
380 - 415 V at 50 Hz from 3 kW.

Possible type of installation Vertical position.

Special versions on request
Yes, available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic, clamp flanges), **with parts in contact with the liquid in AISI 316 stainless steel (X versions)**, other voltages and frequencies.

D+ CONNECT PAGE 11 | MCE-P PAGE 45 | ACCESSORIES PAGE 245

NKVE 32 / 13 - 2 X 300 E1 IE3

- NOMINAL FLOW RATE (m^3/h)
- NUMBER OF STAGES/IMPELLERS
- NUMBER AND TYPE OF TURNED IMPELLER
- MATERIALS*: " "=CAST IRON/AISI 304; X=AISI 316
- MOTOR POWER P2 KW X 10 (300 = 30KW)
- **Type of mechanical seal (E1=STANDARD)**
  - E1=BQGE=Carbon/Silicon carbide/AISI 316/EPDM STD
  - E2=QQGE=Silicon Carbide/Silicon Carbide/AISI 316/EPDM
  - V3=QQGV=Silicon Carbide/Silicon Carbide/AISI 316/FKM-Viton
  - V4=BQGV= Carbon/Silicon carbide /AISI 316/ FKM-Viton
  - E5=UUGE=Tungsten carbide/Tungsten carbide/AISI 316/EPDM
- Motor efficiency

*MATERIALS:
"X" version with pump body/impellers/diffusers in AISI 316 stainless steel
" " standard version with pump body in cast iron and impellers in AISI 304 stainless steel

NKVE 32, 45, 65, 95 - MCE-P

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS WITH INVERTER MCE-P

NKVE 32 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	15	18	22	25	30	35	40	45					
						Q=l/min	0	250	300	367	417	500	583	667	750					
NKVE 32/2 T MCE 55/P	60192237	3 x 380-415Δ	5,5	7,5	13,1	H (m)	48,5	43,5	42,5	41,0	39,5	36,5	33,5	29,0	23,5	65	65	1311	320	148
NKVE 32/3-2 T MCE 55/P	60192238	3 x 380-415Δ	5,5	7,5	13,1		60,0	54,5	53,0	50,5	48,0	44,0	38,0	31,5	23,5	65	65	1392	320	152
NKVE 32/3 T MCE 110/P	60167485	3 x 380-415Δ	7,5	10,0	17,6		73,0	65,0	63,5	61,0	59,0	55,0	50,0	43,5	35,5	65	65	1440	320	163
NKVE 32/4 T MCE 110/P	60167486	3 x 380-415Δ	11,0	15,0	25,5		98,0	88,0	86,0	83,0	80,5	75,0	69,0	60,0	49,5	65	65	1657	320	218
NKVE 32/5-2 T MCE 110/P	60167487	3 x 380-415Δ	11,0	15,0	25,5		109,5	99,5	97,0	93,0	89,5	83,0	74,0	63,0	49,5	65	65	1739	320	222
NKVE 32/5 T MCE 150/P	60167488	3 x 380-415Δ	15,0	20,0	34		122,5	109,5	107,0	103,5	100,0	93,5	85,5	75,0	61,5	65	65	1739	320	236
NKVE 32/6 T MCE 150/P	60167489	3 x 380-415Δ	15,0	20,0	34		146,5	131,0	128,0	123,5	119,5	111,5	102,0	89,0	73,0	65	65	1821	320	240
NKVE 32/7-2 T MCE 150/P	60167490	3 x 380-415Δ	15,0	20,0	34		158,0	142,5	139,0	133,5	128,5	119,0	107,0	91,5	72,5	65	65	1903	320	244

NKVE 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	18	25	30	40	54	60	65	70					
						Q=l/min	0	300	417	500	667	900	1000	1083	1166					
NKVE 45/2-2 T MCE 55/P	60192239	3 x 380-415Δ	5,5	7,5	13,1	H (m)	38,5	37,0	35,5	34,5	31,0	23	18,5	14,5	10,0	80	80	1345	365	154
NKVE 45/2 T MCE 110/P	60167491	3 x 380-415Δ	7,5	10,0	17,6		48,5	47,0	45,5	44,0	41,5	34,0	30,5	26,5	23,0	80	80	1393	365	165
NKVE 45/3 T MCE 110/P	60167492	3 x 380-415Δ	11,0	15,0	25,5		73,5	71,0	69,0	67,0	63,0	52,5	47,0	41,0	34,0	80	80	1610	365	220
NKVE 45/4 T MCE 150/P	60167493	3 x 380-415Δ	15,0	20,0	34		97,5	94,5	91,5	89,0	84,0	69,5	62,0	54,5	45,0	80	80	1692	365	238

NKVE 65 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	30	42	45	54	60	72	78	85					
						Q=l/min	0	500	700	750	900	1000	1200	1300	1417					
NKVE 65/2-2 T MCE 110/P	60192240	3 x 380-415Δ	7,5	10,0	17,6	H (m)	39,0	37,5	35,5	35,0	33,0	31	25,0	22,0	17,5	100	100	1484	365	169,5
NKVE 65/2 T MCE 110/P	60192241	3 x 380-415Δ	11,0	15,0	25,5		56,5	51,0	48,5	48,0	46,0	45,0	41,0	38,5	34,5	100	100	1619	365	220,5
NKVE 65/3-2 T MCE 150/P	60192242	3 x 380-415Δ	15,0	20,0	34		67,5	63,5	60,5	59,5	56,5	54,0	46,5	42,0	35,5	100	100	1711	365	239,0

NKVE 95 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	45	60	72	78	85	96	108	118					
						Q=l/min	0	750	1000	1200	1300	1417	1600	1800	1967					
NKVE 95/2-2 T MCE 110/P	60192243	3 x 380-415Δ	11,0	15,0	25,5	H (m)	44,5	43,0	41,0	38,5	36,5	34	28,5	21,5	15,0	100	100	1619	380	221
NKVE 95/2 T MCE 150/P	60192244	3 x 380-415Δ	15,0	20,0	34		62,0	55,5	51,5	49,0	47,5	45,0	41,0	35,0	28,5	100	100	1619	380	235

SPECIAL VERSION

MODEL
NKVE 32 - 45 - 65 - 95

VERSION WITH SPECIAL MECHANICAL SEALS

(1) **Mech. seal SPECIAL type E2 =** SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
(2) **Mech. seal SPECIAL type V3 =** SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
(3) **Mech. seal SPECIAL type V4 =** SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
(4) **Mech. seal SPECIAL type E5 =** WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKM-GE, NKP-GE - MCE-C

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER

Enbloc electric centrifugal pumps with coupling, designed for a wide range of applications such as:
- Circulation of hot water for heating.
- Circulation of cold water for air conditioning.
- Circulation of cold water for cooling.

Highly versatile pumps thanks to the use of the **MCE-C** inverter, to guarantee performance able to automatically adapt to the various system requirements, while maintaining constant differential pressure. Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron support, flanges according to DIN 2533 and DIN 2532 for DN 200. Cast iron impeller, sealed and dynamically balanced with compensation of the axial thrust via balancing holes, operating (on request) on interchangeable wear rings.
Pump shaft in AISI 304 stainless steel. Seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. Asynchronous, closed motor cooled by external ventilation, construction design B3/B5, 2-pole for NKPGE and 4-pole for NKM-GE. Rotor mounted on generously sized ball bearings to ensure silent and durable operation.

Speed of rotation 1450 - 2900 1/min.

Operating range
From 1 a 450 m³/h head up to 72 meters.

Liquid temp. range from -10°C to +140°C.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Installation normally horizontal or vertical provided the motor is always above the pump.

Max. ambient temperature +40°C.

Maximum operating pressure
16 bar - 1600 kPa (for DN 200 max. 10 bar).

Protection rating IP 55.

Insulation class F.

Flanging PN 16 DIN 2533.

Special versions on request
Pumps for liquids other than water.
Other voltages and/or frequencies.
Inverter modulation with 0-10V signal.

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NKM-GE - MCE-C - 4 POLES - FOR CIRCULATING SYSTEM

MODEL	FLANGE DIMENS. (mm)		VOLTAGE 50/60 Hz - 1x230 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (Kg)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (Kg)
NKM-GE 32-125.1/140	50	32	60206466	MCE11/C	0,25	0,33	4,7	36						
NKM-GE 32-125/142	50	32	60206459	MCE11/C	0,37	0,50	5,5	39						
NKM-GE 32-160.1/169	50	32	60206460	MCE11/C	0,37	0,50	5,5	38						
NKM-GE 32-160/169	50	32	60206462	MCE11/C	0,55	0,75	6,9	46						
NKM-GE 32-200.1/200	50	32	60206463	MCE11/C	0,55	0,75	6,9	55						
NKM-GE 32-200/219	50	32	60192245	MCE11/C	1,10	1,50	10,4	66	60192104	MCE30/C	1,10	1,50	3,2	68,6
NKM-GE 40-125/142	65	40	60206464	MCE11/C	0,55	0,75	6,9	51						
NKM-GE 40-160/166	65	40	60192246	MCE11/C	0,75	1,00	9,9	54	60192105	MCE30/C	0,75	1,00	2,7	56,6
NKM-GE 40-200/219	65	40	60192247	MCE15/C	1,50	2,00	13,9	70	60192107	MCE30/C	1,50	2,00	4,5	72,6
NKM-GE 40-250/260	65	40							60192248	MCE30/C	3,00	4,00	7,2	98
NKM-GE 50-125/141	65	50	60192249	MCE11/C	0,75	1,00	9,7	55	60192108	MCE30/C	0,75	1,00	t.b.d.	57,6
NKM-GE 50-160/177	65	50	60192250	MCE15/C	1,50	2,00	13,7	64	60192106	MCE30/C	1,50	2,00	4,4	66,6
NKM-GE 50-200/219	65	50							60192251	MCE30/C	3,00	4,00	6,7	90
NKM-GE 50-250/263	65	50							60192252	MCE30/C	4,00	5,50	9,4	105
NKM-GE 65-125/144	80	65	60192253	MCE11/C	1,10	1,50	10,9	65	60192109	MCE30/C	1,10	1,50	t.b.d.	67,6
NKM-GE 65-160/153	80	65	60192254	MCE11/C	1,10	1,50	11,2	67	60192110	MCE30/C	1,10	1,50	3,5	69,6
NKM-GE 65-160/177	80	65	60192255	MCE22/C	2,20	3,00	17,3	80	60192111	MCE30/C	2,20	3,00	5,8	82,6
NKM-GE 65-200/210	80	65							60192256	MCE30/C	3,00	4,00	7,8	97
NKM-GE 65-200/219	80	65							60192257	MCE55/C	4,00	5,50	10,3	105
NKM-GE 65-250/263	80	65							60192258	MCE55/C	5,50	7,50	12,7	168
NKM-GE 65-315/309	80	65							60167494	MCE110/C	11,00	15,00	26,6	263
NKM-GE 80-160/163	100	80							60192262	MCE22/C	2,20	3,00	19,6	87
NKM-GE 80-160/163	100	80							60192112	MCE30/C	2,20	3,00	t.b.d.	89,6
NKM-GE 80-160/177	100	80							60192263	MCE30/C	3,00	4,00	7,6	96
NKM-GE 80-200/222	100	80							60192264	MCE55/C	5,50	7,50	12,9	156
NKM-GE 80-250/270	100	80							60167495	MCE110/C	11,00	15,00	24,4	237
NKM-GE 80-315/305	100	80							60167496	MCE150/C	15,00	20,00	34,7	294
NKM-GE 100-200/200	125	100							60192265	MCE55/C	5,50	7,50	13,7	169
NKM-GE 100-200/214	125	100							60167497	MCE110/C	7,50	10,00	17,7	181
NKM-GE 100-250/250	125	100							60167498	MCE110/C	11,00	15,00	26,0	245
NKM-GE 100-250/270	125	100							60167499	MCE150/C	15,00	20,00	33,2	268
NKM-GE 125-250/243	150	125							60167501	MCE150/C	15,00	20,00	36,7	305
NKM-GE 150-200/218	200	150							60167502	MCE110/C	11,00	15,00	27,8	406

NKM-GE, NKP-GE - MCE-C

ENBLOC CENTRIFUGAL PUMPS WITH INVERTER

NKP-GE - MCE-C - 2 POLES - FOR CIRCULATING SYSTEM

MODEL	FLANGE DIMENS. (mm)		VOLTAGE 50/60 Hz - 1x230 ~ V						VOLTAGE 50 Hz - 3x400 ~ V					
	DNA	DNM	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (Kg)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	In A	WEIGHT (Kg)
NKP-GE 32-125.1/115	50	32	60192113	MCE11/C	1,10	1,5	10,9	51	60192134	MCE30/C	1,10	1,5	t.b.d.	53,6
NKP-GE 32-125.1/125	50	32	60192114	MCE11/C	1,50	2,0	14,7	56	60192135	MCE30/C	1,50	2,0	t.b.d.	58,6
NKP-GE 32-125.1/140	50	32	60192115	MCE15/C	2,20	3,0	19,9	58	60192136	MCE30/C	2,20	3,0	5,6	60,6
NKP-GE 32-125/110	50	32	60192116	MCE11/C	1,10	1,5	13,7	44	60192137	MCE30/C	1,10	1,5	t.b.d.	46,6
NKP-GE 32-125/120	50	32	60192117	MCE11/C	1,50	2,0	17,9	56	60192138	MCE30/C	1,50	2,0	4,1	58,6
NKP-GE 32-125/130	50	32	60192118	MCE15/C	2,20	3,0	24,3	58	60192139	MCE30/C	2,20	3,0	t.b.d.	60,6
NKP-GE 32-125/142	50	32							60192119	MCE30/C	3,00	4,00	7,0	76
NKP-GE 32-160.1/166	50	32							60192120	MCE30/C	3,00	4,00	6,7	70
NKP-GE 32-160.1/177	50	32							60192121	MCEC55/C	4,00	5,5	8,5	90,6
NKP-GE 32-160/151	50	32							60192123	MCE30/C	3,00	4,0	7,1	70
NKP-GE 32-160/177	50	32							60192124	MCE55/C	5,50	7,5	12,7	114
NKP-GE 32-200.1/205	50	32							60192125	MCE55/C	5,50	7,5	11,4	114
NKP-GE 32-200/190	50	32							60192126	MCE55/C	5,50	7,5	12,3	126
NKP-GE 32-200/210	50	32							60167568	MCE110/C	7,50	10,0	17,1	135
NKP-GE 40-125/107	65	40	60192127	MCE11/C	1,50	2,0	14,7	61	60192140	MCE30/C	1,50	2,0	t.b.d.	63,6
NKP-GE 40-125/120	65	40	60192128	MCE22/C	2,20	3,0	19,9	74	60192141	MCE30/C	2,20	3,0	t.b.d.	76,6
NKP-GE 40-125/130	65	40							60192129	MCE30/C	3,00	4,0	7,2	85
NKP-GE 40-125/139	65	40							60192130	MCE55/C	4,00	5,5	9,6	107
NKP-GE 40-160/158	65	40							60192122	MCE55/C	5,50	7,5	12,4	119
NKP-GE 40-160/172	65	40							60167569	MCE110/C	7,50	10,0	17,1	127
NKP-GE 40-200/210	65	40							60167570	MCE110/C	11,00	15,0	24,9	207
NKP-GE 40-250/230	65	40							60167571	MCE150/C	15,00	20,0	34,5	220
NKP-GE 50-125/115	65	50							60192131	MCE30/C	3,00	4,0	7,2	87
NKP-GE 50-125/135	65	50							60192132	MCE55/C	5,50	7,5	12,6	124
NKP-GE 50-125/144	65	50							60167572	MCE110/C	7,50	10,0	17,1	133
NKP-GE 50-160/169	65	50							60167573	MCE110/C	11,00	15,0	24,0	132
NKP-GE 50-200/200	65	50							60167574	MCE150/C	15,00	20,0	32,5	216
NKP-GE 65-125/127	80	65							60192133	MCE55/C	5,50	7,5	12,8	122
NKP-GE 65-125/137	80	65							60167575	MCE110/C	7,50	10,0	17,4	131
NKP-GE 65-160/157	80	65							60167576	MCE110/C	11,00	15,0	23,4	202
NKP-GE 65-160/173	80	65							60167577	MCE150/C	15,00	20,0	33,5	212
NKP-GE 80-160/147-127	100	80							60167578	MCE110/C	11,00	15,0	24,1	215
NKP-GE 80-160/153	100	80							60167579	MCE150/C	15,00	20,0	32,6	221

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS WITH MCE-C FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

NKM-GE - MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m^3/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
NKM-GE 32-125.1/140/0,25/4	H (m)	6,2	5,8	4,2																										
NKM-GE 32-125/142/0,37/4		7	6,75	5,85	4,2																									
NKM-GE 32-160.1/169/0,37/4		8,9	8,2	4,6																										
NKM-GE 32-160/169/0,55/4		9,4	9	7,9	5,6																									
NKM-GE 32-200.1/200/0,55/4		12,7	11,2	7,2																										
NKM-GE 32-200/219/1,1/4		16	15,4	14,3	12,2																									
NKM-GE 40-125/142/0,55/4		6,6	6,5	6,2	5,7	4,8																								
NKM-GE 40-160/166/0,75/4		9,2	9,2	9	8,4	7,4	5,7																							
NKM-GE 40-200/219/1,5/4		15,6	15,6	15,3	14,7	13,4	11,8	9,8																						
NKM-GE 40-250/260/3/4		23,1	23,1	22,8	22,2	20,8	19																							
NKM-GE 50-125/141/0,75/4		6,5	-	6,3	6,1	5,8	5,5	5	4,5	3,9																				
NKM-GE 50-160/177/1,5/4		10,7	-	10,7	10,7	10,5	10,2	9,8	9,2	8,3																				
NKM-GE 50-200/219/3/4		16,8	-	16,8	16,5	16,1	15,5	14,6	13,6	12,4	10,9																			
NKM-GE 50-250/263/4/4		23,8	-	23,8	23,8	23,4	22,7	21,6	20,4	19	17,1																			
NKM-GE 65-125/144/1,1/4		6,5	-	6,4	6,4	6,3	6,2	6	5,75	5,5	5,1	4,65	4,2	3,75																
NKM-GE 65-160/153/1,1/4		7,4	-	7,4	7,3	7,15	6,9	6,65	6,25	5,8	5,3	4,4																		
NKM-GE 65-160/177/2,2/4		10,5	-	-	-	10,4	10,3	10,2	9,9	9,6	9,2	8,75	8,2	7,4	6,6															
NKM-GE 65-200/210/3/4		15,3	-	-	-	15,2	15,2	15,1	14,6	14,1	13,5	12,9	12,2	11,3																
NKM-GE 65-200/219/4/4		17	-	-	-	17	16,9	16,8	16,4	16,2	15,8	15,2	14,3	13,8	12,6															
NKM-GE 65-250/263/5,5/4		24,1	-	-	-	23,8	23,6	23,3	22,8	22,3	21,5	20,8	19,7	18,6	17,3															
NKM-GE 65-315/309/11/4		34,2	-	-	-	-	-	-	33,2	33	32,5	32	31,5	30,7	29,8	29	28	25	21,7											
NKM-GE 80-160/163/2,2/4		8,65	-	-	-	-	8,5	8,45	8,3	8,15	7,9	7,7	7,4	7,2	6,9	6,65	6,3	5,7	4,9	4,6										
NKM-GE 80-160/177/3/4		10,2	-	-	-	-	10,2	10,1	10	9,9	9,75	9,65	9,5	9,25	9	8,8	8,6	7,9	7,2	6,7										
NKM-GE 80-200/222/5,5/4		16,6	-	-	-	-	-	-	16,5	16,5	16,4	16,2	16,1	16	15,7	15,4	15	14,3	13,3	12,7										
NKM-GE 80-250/270/11/4		25,6	-	-	-	-	-	-	25,5	25,5	25,4	25,1	25	24,8	24,6	24,2	24	23	21,5	21										
NKM-GE 80-315/305/15/4		32,9	-	-	-	-	-	-	-	-	32,7	32,6	32,6	32,5	32,4	32	31,6	30,5	29,5	28,9	24									
NKM-GE 100-200/200/5,5/4		12.7	-	-	-	-	-	-	-	-	-	12,6	12,6	12,5	12,5	12,4	12,3	12	11,5	11,4	10,1	8,5								
NKM-GE 100-200/214/7,5/4		15.6	-	-	-	-	-	-	-	-	-	15,4	15,4	15,3	15,2	15,1	15	14,7	14,5	14,3	13,3	11,6	9,8							
NKM-GE 100-250/250/11/4		21.1	-	-	-	-	-	-	-	-	-	21	21	21	21	21	21	20,9	20	19,8	18	16								
NKM-GE 100-250/270/15/4		25.5	-	-	-	-	-	-	-	-	-	25,5	25,5	25,5	25,3	25,1	25,1	25	24,5	24	22,5	20,5	17,5							
NKM-GE 125-250/243/15/4		19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19,3	19,3	19,2	19,2	18,7	17,8	16,8	15,5	14,1	12,5	10,9		
NKM-GE 150-200/218/11/4		13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,1	13	13	12,8	12,5	12,1	11,5	11	10,4	9,7	9	8	7

ENBLOC ELECTRONIC CENTRIFUGAL PUMPS WITH MCE-C FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

NKP-GE - MCE-C - 2 POLES

> 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500
NKP-GE 32-125.1/115/1,1/2		17,2	17	15	12,5																		
NKP-GE 32-125.1/125/1,5/2		21	20,8	19	16,8																		
NKP-GE 32-125.1/140/2,2/2		27	26,9	25,9	23	19,5																	
NKP-GE 32-125/110/1,1/2		15,8	15,2	14,5	12,9	9,9																	
NKP-GE 32-125/120/1,5/2		19,3	18,9	18,2	16,8	14,5																	
NKP-GE 32-125/130/2,2/2		23,6	23,1	23	21,6	19,6	16,8																
NKP-GE 32-125/142/3/2		28,6	28	27,6	26,5	24,6	21,8	17,9															
NKP-GE 32-160.1/166/3/2		35,3	35	33	28																		
NKP-GE 32-160.1/177/4/2		42,7	43,4	42,6	38,5	33,9																	
NKP-GE 32-160/151/3/2		30,5	30	29	27	24	19,5																
NKP-GE 32-160/177/5,5/2		43,5	43,2	42,6	41,5	39	36	31,5	25,5														
NKP-GE 32-200.1/205/5,5/2		56,6	55,7	52	45,8	36,2																	
NKP-GE 32-200/190/5,5/2		46,9	46,5	45	43	40	35	29															
NKP-GE 32-200/210/7,5/2		58,8	58	57	56	53	49	44															
NKP-GE 40-125/107/1,5/2		14,7	14,5	14,3	13,8	13	11,8	10,5	8,6	7													
NKP-GE 40-125/120/2,2/2		19	18,7	18,4	17,8	17	15,9	14,6	13	11													
NKP-GE 40-125/130/3/2	H (m)	22,8	22,5	22,3	22	21,2	20,2	19	17,4	15,5	13,5												
NKP-GE 40-125/139/4/2		26,4	26,2	26	25,6	25	24	23	21,5	19,5	17,5	15											
NKP-GE 40-160/158/5,5/2		33,7	-	-	34	33,4	32,4	31	29,5	27	24												
NKP-GE 40-160/172/7,5/2		40,7	-	-	40,2	40,1	39,8	38,5	37,5	35,5	33	30	26,5										
NKP-GE 40-200/210/11/2		57,1	57	57	56,8	56,5	56	55	53	50	47	43,5	39										
NKP-GE 40-250/230/15/2		72,5	-	-	72,5	72	70	68	66	62,5	60	56	51,5										
NKP-GE 50-125/115/3/2		17	-	-	-	16,5	16	15,5	15	14,5	13,7	13	12	11	10	9							
NKP-GE 50-125/135/5,5/2		24	-	-	-	23,6	23,5	23,2	22,8	22,2	21,5	21	20	19,1	18,5	17,5	16,5	13,4					
NKP-GE 50-125/144/7,5/2		28	-	-	-	27,8	27,5	27,3	27	26,5	25,8	25,3	24,5	23,5	23	21,5	20,5	18	15,5				
NKP-GE 50-160/169/11/2		39,6	-	-	-	-	39,5	39,3	39,1	39	38,5	38	37,2	36,5	35	34	32,5						
NKP-GE 50-200/200/15/2		55,1	-	-	-	-	54,7	54,6	54	53,5	52	51	49	47,5	45,5	43	41						
NKP-GE 65-125/127/5,5/2		19,5	-	-	-	-	-	19	18,9	18,7	18,4	18,1	17,5	17,2	16,9	16,5	15,8	14,5	13	12			
NKP-GE 65-125/137/7,5/2		23,5	-	-	-	-	-	23,1	23	22,8	22,6	22,5	22	21,6	21,1	20,7	20,2	19	17,5	14,8	12		
NKP-GE 65-160/157/11/2		32,5	-	-	-	-	-	-	-	32,3	32	31,9	31,3	30,2	30	29,2	28,7	27	28,4	23,6			
NKP-GE 65-160/173/15/2		40,1	-	-	-	-	-	-	-	39,7	39,6	39,5	39,5	39	38,5	38,2	37,5	36	34,5	33,5	26,9		
NKP-GE 80-160/147-127/11/2		24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	21,4	20,4	20	17,4	16,8	12
NKP-GE 80-160/153/15/2		30,5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	28,4	27,5	27	24,5	21,3	18,3

KDNE - MCE-C

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER

Standardised centrifugal pumps on skid with elastic coupling, electronics designed for a wide range of applications such as:
- Circulation of hot water for heating.
- Circulation of cold water for air conditioning.
- Circulation of cold water for cooling.

Highly versatile pumps thanks to the use of the DAB MCE-C inverter, to guarantee performance able to automatically adapt to the various system requirements, while maintaining constant differential pressure.
Spiral single-stage body in cast iron according to DIN-EN 733 (ex DIN 24255), cast iron seal cover and motor support, flanges according to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, sealed and dynamically balanced with axial thrust compensation via balancing holes, operating (on request) on interchangeable wear rings. Pump shaft in stainless steel mounted on two generously sized ball bearings, permanently lubricated and housed in a special chamber inside the support.
Standard seal: standardised mechanical seal according to DIN 24960 in carbon/silicon carbide with O-rings in EPDM. On request, packing seals are available, with hydraulic lubrication ring and gland in two easily removable parts.
Sealed, asynchronous motor cooled by external ventilation; 2-poles or 4-poles. Rotor mounted on generously sized ball bearings to ensure silent and durable operation. Electrical protection: according to standards transposed into the ELECTROMAGNETIC COMPATIBILITY DIRECTIVE EEC 89/336 and subsequent amendments, LOW VOLTAGE DIRECTIVE EEC 73/23 and subsequent amendments and standards CEI 2-3.

Construction design B3.

Speed of rotation 1450 - 2900 1/min.

Operating range from 1 a 440 m^3/h with head up to 70 meters.

Liquid temp. range from -10°C to +140°C.

Pumped liquid clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, characteristics similar to water.

Max. ambient temperature +40°C.

Maximum operating pressure 16 bar - 1600 kPa (per il DN 200 max 10 bar).

Protection rating IP 55.

Thermal category F.

Flanging
PN 16 DIN 2533.
PN 10 DIN 2532 per DN 200.

Installation fixed horizontally.

Special versions on request.

D+ CONNECT PAGE 11 | MCE-C PAGE 44 | SELECTION TABLES PAGE 194 | ACCESSORIES PAGE 245

KDNE - MCE-C - 4 POLES - FOR CIRCULATING SYSTEM

CAST IRON IMPELLER

MODEL	FLANGE DIMENS. (mm)		VOLTAGE 50/60 Hz - 1x230 ~ V					VOLTAGE 50 Hz - 3x400 ~ V				
	DNA	DNM	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)
KDNE 32-125.1/140	50	32	60207043	MCE11/C	0,55	0,75	87					
KDNE 32-125/142	50	32	60192194	MCE11/C	0,75	1	88	60192167	MCE30/C	0,75	1	90,6
KDNE 32-160.1/177	50	32	60192195	MCE11/C	0,75	1	95	60192168	MCE30/C	0,75	1	97,6
KDNE 32-160/177	50	32	60192196	MCE11/C	1,1	1,5	97	60192169	MCE30/C	1,1	1,5	99,6
KDNE 32-200.1/207	50	32	60192197	MCE11/C	1,1	1,5	110	60192170	MCE30/C	1,1	1,5	112,6
KDNE 32-200/200	50	32	60192198	MCE11/C	1,1	1,5	105	60192171	MCE30/C	1,1	1,5	107,6
KDNE 32-200/219	50	32	60192199	MCE22/C	2,2	3	106	60192172	MCE30/C	2,2	3	108,6
KDNE 40-125/142	65	40	60192200	MCE11/C	1,1	1,5	90	60192173	MCE30/C	1,1	1,5	92,6
KDNE 40-160/161	65	40	60192201	MCE11/C	1,1	1,5	95	60192174	MCE30/C	1,1	1,5	97,6
KDNE 40-160/177	65	40	60192202	MCE15/C	1,5	2	105	60192175	MCE30/C	1,5	2	107,6
KDNE 40-200/180	65	40	60192203	MCE11/C	1,1	1,5	105	60192176	MCE30/C	1,1	1,5	107,6
KDNE 40-200/200	65	40	60192204	MCE15/C	1,5	2	109	60192177	MCE30/C	1,5	2	111,6
KDNE 40-200/219	65	40	60192205	MCE22/C	2,2	3	115	60192178	MCE30/C	2,2	3	117,6
KDNE 40-250/230	65	40	60192206	MCE22/C	2,2	3	133	60192181	MCE30/C	2,2	3	135,6
KDNE 40-250/240	65	40						60192207	MCE30/C	3	4	158
KDNE 40-250/260	65	40						60192208	MCE55/C	4	5,5	209

KDNE - MCE-C

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER

KDNE - MCE-C - 4 POLES - FOR CIRCULATING SYSTEM

CAST IRON IMPELLER

MODEL	FLANGE DIMENS. (mm)		VOLTAGE 50/60 Hz - 1x230 ~ V					VOLTAGE 50 Hz - 3x400 ~ V				
	DNA	DNM	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)
KDNE 50-125/139	65	50	60192209	MCE11/C	1,1	1,5	97	60192182	MCE30/C	1,1	1,5	99,6
KDNE 50-125/144	65	50	60192210	MCE15/C	1,5	2	105	60192179	MCE30/C	1,5	2	107,6
KDNE 50-160/137	65	50	60192211	MCE11/C	1,1	1,5	104	60192180	MCE30/C	1,1	1,5	106,6
KDNE 50-160/153	65	50	60192212	MCE15/C	1,5	2	107	60192183	MCE30/C	1,5	2	109,6
KDNE 50-160/169	65	50	60192213	MCE22/C	2,2	3	111	60192184	MCE30/C	2,2	3	113,6
KDNE 50-160/177	65	50						60192214	MCE30/C	3	4	119
KDNE 50-200/170	65	50	60192215	MCE15/C	1,5	2	118	60192185	MCE30/C	1,5	2	120,6
KDNE 50-200/190	65	50	60192216	MCE22/C	2,2	3	127	60192186	MCE30/C	2,2	3	129,6
KDNE 50-200/210	65	50						60192217	MCE30/C	3	4	131
KDNE 50-200/219	65	50						60192218	MCE55/C	4	5,5	131
KDNE 50-250/220	65	50						60192219	MCE30/C	3	4	147
KDNE 50-250/263	65	50						60192220	MCE55/C	5,5	7,5	182
KDNE 65-125/130	80	65	60192221	MCE11/C	1,1	1,5	104	60192187	MCE30/C	1,1	1,5	106,6
KDNE 65-125/144	80	65	60192222	MCE15/C	1,5	2	107	60192188	MCE30/C	1,5	2	109,6
KDNE 65-160/137	80	65	60192223	MCE11/C	1,1	1,5	107	60192189	MCE30/C	1,1	1,5	109,6
KDNE 65-160/153	80	65	60192224	MCE15/C	1,5	2	118	60192190	MCE30/C	1,5	2	120,6
KDNE 65-160/169	80	65	60192225	MCE22/C	2,2	3	118	60192191	MCE30/C	2,2	3	120,6
KDNE 65-160/177	80	65						60192226	MCE30/C	3	4	157
KDNE 65-200/180	80	65	60192227	MCE22/C	2,2	3	151	60192192	MCE30/C	2,2	3	153,6
KDNE 65-200/190	80	65						60192228	MCE30/C	3	4	159
KDNE 65-200/219	80	65						60192229	MCE55/C	5,5	7,5	209
KDNE 65-250/240	80	65						60192230	MCE55/C	5,5	7,5	210
KDNE 65-250/263	80	65						60167580	MCE110/C	7,5	10	270
KDNE 65-315/260	80	65						60167581	MCE110/C	7,5	10	305
KDNE 65-315/290	80	65						60167582	MCE110/C	11	15	310
KDNE 65-315/320	80	65						60167583	MCE150/C	15	20	310
KDNE 80-160/153	100	80	60192231	MCE22/C	2,2	3	143	60192193	MCE30/C	2,2	3	145,6
KDNE 80-160/161	100	80						60192232	MCE30/C	3	4	147
KDNE 80-160/177	100	80						60192233	MCE55/C	4	5,5	147
KDNE 80-200/170	100	80						60192234	MCE30/C	3	4	177
KDNE 80-200/200	100	80						60192235	MCE55/C	5,5	7,5	197
KDNE 80-200/222	100	80						60167584	MCE110/C	7,5	10	201
KDNE 80-250/230	100	80						60167585	MCE110/C	7,5	10	232
KDNE 80-250/260	100	80						60167586	MCE110/C	11	15	271
KDNE 80-250/270	100	80						60167587	MCE150/C	15	20	290
KDNE 80-315/290	100	80						60167588	MCE150/C	15	20	403
KDNE 100-200/180	125	100						60192236	MCE55/C	5,5	7,5	223
KDNE 100-200/200	125	100						60167589	MCE110/C	7,5	10	222
KDNE 100-200/219	125	100						60167590	MCE110/C	11	15	320
KDNE 100-250/240	125	100						60167591	MCE110/C	11	15	305
KDNE 100-250/260	125	100						60167592	MCE150/C	15	20	313
KDNE 100-315/275	125	100						60167593	MCE150/C	15	20	313
KDNE 125-250/230	150	125						60167594	MCE150/C	15	20	429
KDNE 150-200/218-182	200	150						60167595	MCE110/C	11	15	467
KDNE 150-200/224	200	150						60167596	MCE150/C	15	20	467

KDNE - MCE-C

STANDARDISED CENTRIFUGAL PUMPS ON SKID WITH INVERTER

KDNE - MCE-C - 2 POLES - FOR CIRCULATING SYSTEM

CAST IRON IMPELLER

MODEL	FLANGE DIMENS. (mm)		VOLTAGE 50/60 Hz - 1x230 ~ V					VOLTAGE 50 Hz - 3x400 ~ V				
	DNA	DNM	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)	CODE	MODEL MCE	P2 NOMINAL kW	P2 NOMINAL HP	WEIGHT (Kg)
KDNE 32-125.1/110	50	32	60192147	MCE15/C	1,5	2	97	60192142	MCE30/C	1,5	2	99,6
KDNE 32-125.1/130	50	32	60192148	MCE22/C	2,2	3	104	60192143	MCE30/C	2,2	3	106,6
KDNE 32-125.1/140	50	32						60192149	MCE30/C	3	4	111
KDNE 32-125/125	50	32	60192150	MCE15/C	2,2	3	97	60192144	MCE30/C	2,2	3	99,6
KDNE 32-125/130	50	32						60192151	MCE30/C	3	4	105
KDNE 32-125/142	50	32						60192152	MCE55/C	4	5,5	126
KDNE 32-160.1/137	50	32	60192153	MCE15/C	1,5	2	98	60192145	MCE30/C	1,5	2	100,6
KDNE 32-160.1/145	50	32	60192154	MCE22/C	2,2	3	106	60192146	MCE30/C	2,2	3	108,6
KDNE 32-160.1/153	50	32						60192155	MCE30/C	3	4	111
KDNE 32-160.1/177	50	32						60192156	MCE55/C	5,5	7,5	145
KDNE 32-160/145	50	32						60192157	MCE30/C	3	4	111
KDNE 32-160/161	50	32						60192158	MCE55/C	5,5	7,5	145
KDNE 32-160/177	50	32						60167597	MCE110/C	7,5	10	152
KDNE 32-200.1/170	50	32						60192160	MCE30/C	3	4	149
KDNE 32-200.1/190	50	32						60192159	MCE55/C	5,5	7,5	152
KDNE 32-200.1/207	50	32						60167598	MCE110/C	7,5	10	179
KDNE 32-200/180	50	32						60192161	MCE55/C	5,5	7,5	152
KDNE 32-200/200	50	32						60167599	MCE110/C	7,5	10	190
KDNE 32-200/210	50	32						60167600	MCE110/C	11	15	250
KDNE 32-200/219	50	32						60167601	MCE150/C	15	20	261
KDNE 40-125/120	65	40						60192162	MCE30/C	3	4	100
KDNE 40-125/142	65	40						60192163	MCE55/C	5,5	7,5	143
KDNE 40-160/145	65	40						60192164	MCE55/C	5,5	7,5	169
KDNE 40-160/161	65	40						60167602	MCE110/C	7,5	10	178
KDNE 40-160/177	65	40						60167603	MCE110/C	11	15	186
KDNE 40-200/180	65	40						60167604	MCE110/C	7,5	10	160
KDNE 40-200/200	65	40						60167605	MCE110/C	11	15	234
KDNE 40-200/219	65	40						60167606	MCE150/C	15	20	244
KDNE 40-250/220	65	40						60167607	MCE150/C	15	20	291
KDNE 50-125/125	65	40						60192165	MCE55/C	5,5	7,5	152
KDNE 50-125/139	65	40						60167608	MCE110/C	7,5	10	156
KDNE 50-125/144	65	50						60167609	MCE110/C	11	15	156
KDNE 50-160/145	65	50						60167610	MCE110/C	7,5	10	190
KDNE 50-160/161	65	50						60167611	MCE110/C	11	15	201
KDNE 50-160/177	65	50						60167612	MCE150/C	15	20	213
KDNE 50-200/180	65	50						60167613	MCE110/C	11	15	199
KDNE 50-200/190	65	50						60167614	MCE150/C	15	20	293
KDNE 65-125/120-110	80	65						60192166	MCE55/C	5,5	7,5	152
KDNE 65-125/130	80	65						60167615	MCE110/C	7,5	10	159
KDNE 65-125/144	80	65						60167616	MCE110/C	11	15	188
KDNE 65-160/137	80	65						60167617	MCE110/C	7,5	10	186
KDNE 65-160/153	80	65						60167618	MCE110/C	11	15	196
KDNE 65-160/169	80	65						60167619	MCE150/C	15	20	233
KDNE 65-200/170	80	65						60167620	MCE150/C	15	20	292
KDNE 80-160/153-136	80	65						60167621	MCE150/C	15	20	311

STANDARDISED CENTRIFUGAL PUMPS WITH INVERTER FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

KDNE - MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m^3/h) (l/min)	0	3	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
		0	50	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDNE 32-125.1/140/A/BAQE/1/0,55/4 M MCE11/C	H (m)	6.6	6.6	6.4	5.1															
KDNE 32-125/142/A/BAQE/1/0,75/4 M MCE11/C		6.9		6.75	6.15	4.5														
KDNE 32-160.1/177/A/BAQE/1/0.75/4 M MCE11/C		9	9.8	9.5	6.6															
KDNE 32-160/177/A/BAQE/1/1,1/4 M MCE11/C		10.5		10.4	9.6	7.8														
KDNE 32-200.1/207/A/BAQE/1/1.1/4 M MCE11/C		13.8	13.8	13	8.9															
KDNE 32-200/200/A/BAQE/1/1,1/4 M MCE11/C		12.6		12.3	11.1	8.7														
KDNE 32-200/219/A/BAQE/1/2,2/4 M MCE22/C		15.7		15.4	14.8	13	9.8													
KDNE 40-125/142/A/BAQE/1/1.1/4 M MCE11/C		6.7		6.6	6.5	6	5.3	4.1												
KDNE 40-160/161/A/BAQE/1/1,1/4 M MCE11/C		8.6		8.5	8.4	8	7.1	5.6												
KDNE 40-160/177/A/BAQE/1/1,5/4 M MCE15/C		10.7		10.7	10.6	10.2	9.5	8.3												
KDNE 40-200/180/A/BAQE/1/1,1/4 M MCE11/C		9.7		9.7	9.4	8.8	7.2													
KDNE 40-200/200/A/BAQE/1/1,5/4 M MCE15/C		12.2		12.1	12	11.7	10.4	8.6												
KDNE 40-200/219/A/BAQE/1/2,2/4 M MCE22/C		15		15	15	14.7	13.8	12.4	10.4											
KDNE 40-250/230/A/BAQE/1/2,2/4 M MCE22/C		17.4			17.2	16.5	15.3	13.7												
KDNE 40-250/240/A/BAQE/1/3/4 T MCE30/C		19.1			19	18.2	17	15.5												
KDNE 40-250/260/A/BAQE/1/4/4 T MCE55/C		22.7			22.6	22.1	21	19.5												
KDNE 50-125/139/A/BAQE/1/1,1/4 M MCE11/C		6.3			6.2	6.1	5.9	5.6	5.2	4.8	4.2									
KDNE 50-125/144/A/BAQE/1/1,5/4 M MCE15/C		6.7			6.7	6.6	6.4	6.2	5.8	5.3	4.8	4.1								
KDNE 50-160/137/A/BAQE/1/1,1/4 M MCE11/C		6			6	5.9	5.6	5.2	4.8											
KDNE 50-160/153/A/BAQE/1/1,5/4 M MCE15/C		7.6			7.6	7.5	7.4	7.2	6.7											
KDNE 50-160/169/A/BAQE/1/2,2/4 M MCE22/C		9.4			9.3	9.2	9.2	9.1	8.8											
KDNE 50-160/177/A/BAQE/1/3/4 T MCE30/C		10.4			10.3	10.3	10.2	10.1	9.95											
KDNE 50-200/170/A/BAQE/1/1,5/4 M MCE15/C		9.5			9.3	9.2	8.8	8	6.85											
KDNE 50-200/190/A/BAQE/1/2,2/4 M MCE22/C		11.8			11.7	11.6	11.4	10.8	10.1	8.9										
KDNE 50-200/210/A/BAQE/1/3/4 T MCE30/C		14.6			14.6	14.5	14.4	13.9	13.2	12.2	11									
KDNE 50-200/219/A/BAQE/1/4/4 T MCE55/C		16			16	16	15.9	15.4	14.2	13.8	12.7	11.4								
KDNE 50-250/220/A/BAQE/1/3/4 T MCE30/C		15.9			15.7	15.6	15.4	14.9	13.8	12.4	10.5									
KDNE 50-250/263/A/BAQE/1/5,5/4 T MCE55/C		23			23	22.9	22.8	22.5	21.7	20.6	19.4	17.5								
KDNE 65-125/130/A/BAQE/1/1,1/4 M MCE11/C		5.1					4.9	4.75	4.6	4.3	4.1	3.8	3.3	2.8						
KDNE 65-125/144/A/BAQE/1/1.5/4 M MCE15/C		6.4					6.35	6.25	6.2	5.9	5.7	5.4	5	4.65	4.2	3.7				
KDNE 65-160/137/A/BAQE/1/1,1/4 M MCE11/C		5.8					5.7	5.4	5.2	4.75	4.3	3.7								
KDNE 65-160/153/A/BAQE/1/1,5/4 M MCE15/C		7.3					7.2	7.2	6.9	6.7	6.3	5.8	5.25							
KDNE 65-160/169/A/BAQE/1/2,2/4 M MCE22/C		9.1					9.1	9	8.9	8.7	8.4	8	7.6	7.1	6.4					
KDNE 65-160/177/A/BAQE/1/3/4 T MCE30/C		10					10	9.9	9.8	9.7	9.45	9.1	8.7	8.2	7.5					
KDNE 65-200/180/A/BAQE/1/2,2/4 M MCE22/C		10.4				10.4	10.4	10.3	10.2	10	9.5	8.8	8.1							
KDNE 65-200/190/A/BAQE/1/3/4 T MCE30/C		12.1				12	12	12	11.9	11.5	11.1	10.5	9.8	8.8						
KDNE65-200/219/A/BAQE/1/5,5/4 T MCE55/C		16.2				16.2	16.2	16.1	16	15.9	15.8	15.4	15	14.4	13.5	12.7				
KDNE 65-250/240/A/BAQE/1/5,5/4 T MCE55/C		19					19	18.9	18.5	18.1	17.5	16.8	16	14.7	13.6					
KDNE 65-250/263/A/BAQE/1/7,5/4 T MCE110/C		23.2					23	23	22.9	22.5	22.2	21.6	20.8	19.8	18.6	17.4	16			
KDNE 65-315/260/A/BAQE/1/7,5/4 T MCE110/C		22.3					22.2	22.1	22	21.5	21	20.5	20	19.2	18.4	17	16	15		
KDNE 65-315/290/A/BAQE/1/11/4 T MCE110/C		28.2					28.2	28.1	28	27.8	27.3	27	26.5	25.5	25	24	23.1	22	19.5	
KDNE 65-315/320/A/BAQE/1/15/4 T MCE150/C		35.7					35.4	35.3	35.2	35.1	35	34.8	34.5	33.8	33.5	32.5	31.5	30.8	28	24.8

STANDARDISED CENTRIFUGAL PUMPS WITH INVERTER FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

KDNE - MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m^3/h) (l/min)	0	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
		0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDNE 80-160/153/A/ BAQE/1/2,2/4 M MCE22/C	H (m)	7.3	7.1	6.9	6.7	6.5	6.3	6	5.75	5.4	5.2	4.55	3.9	3.6										
KDNE 80-160/161/A/ BAQE/1/3/4 T MCE30/C		8.2	8	7.9	7.75	7.5	7.3	7.05	6.8	6.5	6.25	5.6	4.9	4.6										
KDNE 80-160/177/A/ BAQE/1/4/4 T MCE55/C		10	9.9	9.85	9.8	9.7	9.5	9.3	9.1	8.85	8.7	8.1	7.25	6.9										
KDNE 80-200/170/A/ BAQE/1/3/4 T MCE30/C		9.2	9.1	9	8.7	8.5	8.2	7.8	7.5	7.1	6.7	5.6												
KDNE 80-200/200/A/ BAQE/1/5,5/4 T MCE55/C		12.7	12.6	12.6	12.6	12.5	12.4	12.3	12	11.6	11.4	10.5	9.4	8.8										
KDNE 80-200/222/A/ BAQE/1/7,5/4 T MCE110/C		15.9	15.9	15.8	15.7	15.6	15.6	15.5	15.4	15.3	15	14.3	13.4	12.8										
KDNE 80-250/230/A/ BAQE/1/7,5/4 T MCE110/C		17.3	17.3	17.2	17.1	17	16.9	16.8	16.5	16	15.5	14.3	12.4											
KDNE 80-250/260/A/ BAQE/1/11/4 T MCE110/C		22.6	22.5	22.5	22.4	22.3	22.2	22.1	22	21.8	21.4	20.6	19.6	19	15.1									
KDNE 80-250/270/A/ BAQE/1/15/4 T MCE150/C		24.5	24.4	24.4	24.4	24.3	24.2	24.1	24	23.7	23.3	22.4	21.4	20.7	16.3									
KDNE 80-315/290/A/ BAQE/1/15/4 T MCE150/C		27.8		27.8	27.8	27.7	27.7	27.6	27.6	27.5	27.4	26.5	25	24.6	19.1									
KDNE 100-200/180/A/ BAQE/1/5,5/4 T MCE55/C		10.1				10.1	10.1	10.	9.9	9.7	9.5	9.1	8.5	8.3	7	5.4								
KDNE 100-200/200/A/ BAQE/1/7,5/4 T MCE110/C		12.9				12.8	12.8	12.8	12.7	12.6	12.5	12.2	11.8	11.6	10.4	8.8								
KDNE 100-200/219/A/ BAQE/1/11/4 T MCE110/C		16				15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.1	15	14	12.5	10.8							
KDNE 100-250/240/A/ BAQE/1/11/4 T MCE110/C		18.5				18.3	18.3	18.3	18.2	18.1	18	17.9	17.6	17.4	15.7	13.3								
KDNE 100-250/260/A/ BAQE/1/15/4 T MCE150/C		22.3				22.1	22.1	22.1	22	21.9	21.8	21.7	21.5	21.4	19.8	17.7	15.1							
KDNE 100-315/275/A/ BAQE/1/15/4 T MCE150/C		25.1				25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19								
KDNE 125-250/230/A/ BAQE/1/15/4 T MCE150/C		16.6										16.6	16.6	16.5	16.3	15.6	14.8	13.8	12.5	12.3	9.5			
KDNE 150-200/218-182/A/ BAQE/1/11/4 T MCE110/C		10.4										10.4	10.4	10.3	10.2	9.9	9.5	9.1	8.6	8.1	7.4	6.6	5.8	
KDNE 150-200/224/A/ BAQE/1/15/4 T MCE150/C		13.8										13.6	13.6	13.5	13.3	13	12.6	12.2	11.7	11.2	10.6	9.9	9.2	8.2

STANDARDISED CENTRIFUGAL PUMPS WITH INVERTER FOR CIRCULATING SYSTEM

PERFORMANCE RANGE

KDNE - MCE-C - 2 POLES

> 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000
KDNE 32-125.1/110/A/BAQE/1/1,5/2 M MCE15/C		15.5	15.2	13.9	11.5																			
KDNE 32-125.1/130/A/BAQE/1/2.2/2 M MCE22/C		22.3	22.2	21.3	19																			
KDNE 32-125.1/140/A/BAQE/1/3/2 T MCE30/C		26.5	26.4	25.6	23.4	20.1																		
KDNE 32-125/125/A/BAQE/1/2,2/2 M MCE22/C		20.9		20.1	18.9	16.9	13.5																	
KDNE 32-125/130/A/BAQE/1/3/2 T MCE30/C		22.9		22	21	19.1	16.2																	
KDNE 32-125/142/A/BAQE/1/4/2 T MCE55/C		27.8		27	26.1	24.5	21.7	18																
KDNE 32-160.1/137/A/BAQE/1/1,5/2 M MCE15/C		21.5	21.2	19.3																				
KDNE 32-160.1/145/A/BAQE/1/2,2/2 M MCE22/C		24.7	24.5	22.3	16.5																			
KDNE 32-160.1/153/A/BAQE/1/3/2 T MCE30/C		28.3	28	26	20.5																			
KDNE 32-160.1/177/A/BAQE/1/5,5/2 T MCE55/C		39.5	39.3	38.2	34.5	26																		
KDNE 32-160/145/A/BAQE/1/3/2 T MCE30/C		27		25.8	23.9	21.2	16.9																	
KDNE 32-160/161/A/BAQE/1/5,5/2 T MCE55/C		34		33	31.7	29.1	25.5																	
KDNE 32-160/177/A/BAQE/1/7,5/2 T MCE110/C		41.8		41.5	40.5	38.4	35.3	31.4																
KDNE 32-200.1/170/A/BAQE/1/3/2 T MCE30/C		34.3	34.2	31.9	23.5																			
KDNE 32-200.1/190/A/BAQE/1/5,5/2 T MCE55/C		45.3	44.7	41.5	35.5																			
KDNE 32-200.1/207/A/BAQE/1/7,5/2 T MCE110/C		55.3	55	51.8	46.4	37																		
KDNE 32-200/180/A/BAQE/1/5,5/2 T MCE55/C		39		38.5	36.5	32.5	28																	
KDNE 32-200/200/A/BAQE/1/7,5/2 T MCE110/C		51		49	48	45	40.5	35																
KDNE 32-200/210/A/BAQE/1/11/2 T MCE110/C		57		56	55	52.5	48.5	43	36															
KDNE 32-200/219/A/BAQE/1/15/2 T MCE150/C		63		62	61	59	56.5	52.5	46.5	39.5														
KDNE 40-125/120/A/BAQE/1/3/2 T MCE30/C		18.5		18	17.5	17	16	15	13.5	11.8														
KDNE 40-125/142/A/BAQE/1/5,5/2 T MCE55/C		26.8		26.6	26.4	26	25.3	24.4	23	21.4	19.4	17												
KDNE 40-160/145/A/BAQE/1/5,5/2 T MCE55/C	H (m)	27.5			27.4	27	25.7	24.2	22.1	19.5														
KDNE 40-160/161/A/BAQE/1/7,5/2 T MCE110/C		34.5			34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5												
KDNE 40-160/177/A/BAQE/1/11/2 T MCE110/C		42.6			42.5	42.4	42	41.5	40	38.5	35	33	30											
KDNE 40-200/180/A/BAQE/1/7,5/2 T MCE110/C		38.8			38.5	38	37	35	32.5	29	25													
KDNE 40-200/200/A/BAQE/1/11/2 T MCE110/C		48.7			48.4	48.2	47.5	46.5	44	41.5	38.5	34.5												
KDNE 40-200/219/A/BAQE/1/15/2 T MCE150/C		60			59.8	59.7	59.4	59	57	55	52.5	49.5	46	40										
KDNE 40-250/220/A/BAQE/1/15/2 T MCE150/C		63.1			62.8	62.5	61	59	57	55	52	48												
KDNE 50-125/125/A/BAQE/1/5,5/2 T MCE55/C		19.8					19.4	19	18.5	17.9	17.4	16.6	16	15.1	14	13	11.8							
KDNE 50-125/139/A/BAQE/1/7,5/2 T MCE110/C		24.7					24.5	24.3	24	23.5	23	22.4	21.6	20.8	20	19.2	18	15.5						
KDNE 50-125/144/A/BAQE/1/11/2 T MCE110/C		25.9					26.5	26.4	26.1	25.6	25.1	24.5	24	23.2	22.3	21.5	20.5	17.8	15					
KDNE 50-160/145/A/BAQE/1/7,5/2 T MCE110/C		27.2					27	26.9	26.6	26.4	25.5	25	23.8	23	21.5	20.5	19							
KDNE 50-160/161/A/BAQE/1/11/2 T MCE110/C		33.8					33.7	33.7	33.6	33.6	33.3	32.5	31.8	31	29.8	28.5	27.5							
KDNE 50-160/177/BAQE/1/15/2 T MCE150/C		41.6					41.5	41.5	41.3	41.2	41	40.6	40.5	39.5	38.8	38	36.7	33.5						
KDNE 50-200/180/A/BAQE/1/11/2 T MCE110/C		42.5					42	41.7	41.4	40.5	39.5	38	36	34	32	29								
KDNE 50-200/190/A/BAQE/1/15/2 T MCE150/C		47.2					46.8	46.6	46	45.7	44.5	43.5	42	40	38	35.5	33							
KDNE 65-125/120-110/A/BAQE/1/5,5/2 T MCE55/C		16								14.4	14	13.6	13.1	12.8	12.2	11.9	11.4	10.2	8.7	8				
KDNE 65-125/130/A/BAQE/1/7,5/2 T MCE110/C		21								19.6	19.5	19.1	18.9	18.5	18	17.5	17	15.7	14.2	13.2				
KDNE 65-125/144/A/BAQE/1/11/2 T MCE110/C		25.6								25.5	25.4	25.2	25	24.6	24.3	24	23.4	22.5	21.1	20.2	16			
KDNE 65-160/137/A/BAQE/1/7,5/2 T MCE110/C		23.1								22.4	22	21.7	21.3	20.5	19.7	19	18	16						
KDNE 65-160/153/A/BAQE/1/11/2 T MCE110/C		29.1								28.8	28.5	28.6	28.5	28	27.5	26.6	26	24	22	21				
KDNE 65-160/169/A/BAQE/1/15/2 T MCE150/C		36.4								36.3	36.2	36.1	36	35.7	35.3	34.7	34	32.7	31	30				
KDNE 65-200/170/A/BAQE/1/15/2 T MCE150/C		37.2								36.8	36.7	36.6	36.5	36	35	34	32.5	30	27	25				
KDNE 80-160/153-136/A/BAQE/1/15/2 T MCE150/C		25.6															24.5	23.8	23	22.5	20.2	17.5	15	11.8

KI

AISI 304 STAINLESS STEEL SINGLE IMPELLER CENTRIFUGAL PUMPS

Axial suction AISI 304 stainless steel single impeller centrifugal pump for pressurization in civil and industrial environments (cold and hot liquids, and coolants), of thermal waters, and for industrial washing systems.
The standard construction materials ensure higher resistance to oxidation (rust) and therefore to erosion, and most of all operation at high temperatures (90°C).
Other possibilities of use are: in propylene glycol (V version) and ethylene glycol (E version) chiller systems; in industrial washing systems using cold water, hot water, and coolants; with moderately oily or aggressive liquids (V and VS version).

Operating range
Up to 10 m^3/h with head up to 32 metres.

Pumped liquid clean, free of solids and abrasives, not viscous, not crystallised and chemically neutral, with properties similar to water.

Liquid temperature range from -10°C to +90°C.

Maximum ambient temperature +40°C.

Maximum operating pressure 8 bar (800 kPa).

Protection class IP 55.

Insulation class F.

Standard voltage 220-230 V/50 Hz single-phase, 230-400 V/50 Hz three-phase.

Installation fixed horizontal or vertical position, provided that the motor is always above the pump.

Special executions on request
Special mechanical seals:
V version Alox Ceramic/Carbon/FKM: for oily liquids (up to 110°C) and propylene glycol.
VS version SiC/SiC/FKM: for oily liquids (up to 110°C) and abrasive particles.
Version E SiC/Carbon/EPDM: water up to 120°C and ethylene glycol.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2	≥120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNA	DNM	KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m^3/h	0	1,2	3	4,8	5,4	6,6	7,8	8,4	9,6	10,8	11,7				
							Q=l/min	0	20	50	80	90	110	130	140	160	180	195				
KI 30/90 M	60212438	1x230 V	1,3	0,85	1,15	5,7	H (m)	31,4	30,1	27,8	25,1	24,0	21,7	19,0	17,5				1"1/4 G	1" G	13,4	27
KI 30/90 M	60173605	1x220-230 V	1,4	0,75	1	6,5		31,4	30,1	27,8	25,1	24,0	21,7	19,0	17,5				1"1/4 G	1" G	13,4	27
KI 30/90 T	60184269	3x230/400 V	1,25	0,75	1	4 / 2,3		31,4	30,1	27,8	25,1	24,0	21,7	19,0	17,5				1"1/4 G	1" G	12,2	27
KI 30/120 M	60212439	1x230 V	1,4	0,85	1,15	6,1		32,0	30,7	28,9	27,0	26,3	24,8	22,8	21,6	19,2	16,5		1"1/4 G	1" G	13,4	27
KI 30/120 M	60173606	1x220-230 V	1,55	1	1,36	7		32,0	30,7	28,9	27,0	26,3	24,8	22,8	21,6	19,2	16,5		1"1/4 G	1" G	13,4	27
KI 30/120 T	60179404	3x230/400 V	1,4	1	1,36	4,7 / 2,7		32,0	30,7	28,9	27,0	26,3	24,8	22,8	21,6	19,2	16,5		1"1/4 G	1" G	12,3	27
KI 40/120 M*	60173608	1x220-230 V	2,2	1,5	2	9,7		40,3	39,1	37,2	35,2	34,5	33,0	31,3	30,4	28,5	26,4	23,0	1"1/4 G	1" G	19,6	18
KI 40/120 T*	60184272	3x230/400 V	2,1	1,5	2	7 / 4,1		40,3	39,1	37,2	35,2	34,5	33,0	31,3	30,4	28,5	26,4	23,0	1"1/4 G	1" G	19,3	27

* Not compliant with MEI; availability subordinate to local standards.

PRICE LIST INCREASE FOR SPECIAL SEALS

E.g.: KI 30/90 M with elastomers and FKM seal: KI 30/90 M -V.

ADDITIONAL DESCRIPTION	MECHANICAL SEAL MATERIAL	ELASTOMERS
-V	Carbon/Alox Ceramic/FKM	FKM
-VS	SiC/SiC/FKM	FKM
-E	Carbon/SiC/EPDM	EPDM

K SINGLE IMPELLER

SINGLE IMPELLER CENTRIFUGAL PUMPS

K 35/1200 T

Single impeller centrifugal pump suitable for domestic, civil, industrial and agricultural installations and for decanting, mixing and irrigating uses.
Cast iron pump body and motor support.
Technopolymer impeller.
Stainless steel driving shaft.
Carbon/ceramic mechanical seal.
Asynchronous, closed motor, cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version.
For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range from 1,8 to 96 m³/h with head up to 62 metres.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

Liquid temperature range
From -10°C to +50°C for K 20/41, K 30/70, K 30/100, K 36/100, K 12/200, K 36/200, K 40/200.
From -15°C to +110°C for the other pups.

Maximum operating range
K 20/41, K 30/70, K 30/100, K 36/100, K 12/200, K 14/400: **6 bar (600 kPa).**
K 36/200, K 40/200, K 55/200, K 11/500, K 18/500, K 28/500: **8 bar (800 kPa).**
K 40/400, K 50/400, K 30/800, K 40/800, K 50/800, K 20/1200, K 25/1200, K 35/1200: **10 bar (1000 kPa).**

Maximum ambient temperature +40°C.

Protection level IP 44.

Terminal board protection level IP 55.

Insulation class F.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2	≥120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

K - SINGLE IMPELLER CENTRIFUGAL

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8	12	15	18					
							Q=l/min	0	30	40	60	80	100	120	150	160	180	200	250	300					
K 20/41 M	60213245	1x230 V	0,7	0,55	0,75	3,2			20,3	19,4	16,9	13,6	8,3								1" G	1" G	10	39
K 20/41 M	102110004	1 x 220 - 240 V ~	0,65	0,37	0,5	3			20,3	19,4	16,9	13,6	8,3								1" G	1" G	10	39
K 20/41 T	60204037	3 x 230 - 400 V ~	0,64	0,47	0,64	2,7-1,5			20,3	19,4	16,9	13,6	8,3								1" G	1" G	9,3	39
K 30/70 M	60212465	1x230 V	1,28	0,85	1,15	5,6		31,8	29,5	28,9	27	24,2	19,8	13,5							1" G	1" G	13,9	30
K 30/70 M	102110024	1 x 220 - 240 V ~	1,3	0,75	1	6		31,8	29,5	28,9	27	24,2	19,8	13,5							1" G	1" G	13,9	30
K 30/70 T	60179407	3 x 230 - 400 V ~	1,2	0,75	1	4-2,3		31,8	29,5	28,9	27	24,2	19,8	13,5							1" G	1" G	13,7	30
K 30/100 M	60211559	1x230 V	1,51	1,1	1,5	6,7		29,2		29	28,8	28	26,8	25,3	22,5	21,5	18,5				1½" G	1" G	18,5	21
K 30/100 M	102110042	1 x 220 - 240 V ~	1,6	1,1	1,5	7,1		29,2		29	28,8	28	26,8	25,3	22,5	21,5	18,5				1½" G	1" G	18,5	21
K 30/100 T	60179858	3 x 230 - 400 V ~	1,6	1,1	1,5	5,4-3,1		29,2		29	28,8	28	26,8	25,3	22,5	21,5	18,5				1½" G	1" G	18,2	21
K 36/100 M	60211859	1x230 V	1,94	1,8	2,45	8,8	H (m)	34,9		34,8	34,6	34	33	32	29,8	29	26,5				1½" G	1" G	23,3	18
K 36/100 M	102110162	1 x 220 - 240 V ~	2,1	1,85	2,5	8,8		34,9		34,8	34,6	34	33	32	29,8	29	26,5				1½" G	1" G	23,3	18
K 36/100 T	60179861	3 x 230 - 400 V ~	1,9	1,85	2,5	6-3,5		34,9		34,8	34,6	34	33	32	29,8	29	26,5				1½" G	1" G	19,7	21
K 12/200 M	60212436	1x230 V	1	0,85	1,15	4,5		18,4		17,2	16,5	16	15,3	14,7	13,5	13,1	12,3	11,4	8,9	5,5	1½" G	1½" G	13,7	30
K 12/200 M	60168883	1 x 220 - 240 V ~	1,1	0,75	1	5,2		18,4		17,2	16,5	16	15,3	14,7	13,5	13,1	12,3	11,4	8,9	5,5	1½" G	1½" G	13,7	30
K 12/200 T	60179406	3 x 230 - 400 V ~	0,97	0,75	1	3,5-2		18,4		17,2	16,5	16	15,3	14,7	13,5	13,1	12,3	11,4	8,9	5,5	1½" G	1½" G	13,8	30
K 36/200 T	60179375	3 x 230 - 400 V ~	3,1	2,2	3	9,7-5,6		36,6				36	35,5	35	34	33,3	32,5	31,5	28	23,5	2" G	1¼" G	21	18
K 40/200 T	60179374	3 x 230 - 400 V ~	3,6	3	4	10,9-6,3		41,3				41	40,5	40	39	38,8	38	37	33,5	29	2" G	1¼" G	19	18
K 55/200 T	60179853	3 x 230 - 400 V ~	5,1	3,7	5	15,9-9,2		54					54	53,9	53,2	53	52	51,5	48,5	45	2" G	1¼" G	39	18

K SINGLE IMPELLER

SINGLE IMPELLER CENTRIFUGAL PUMPS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													DNA	DNM	KG	Q.TY x PAL-LET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	12	15	18	24	30	36	42	60	72	84	96				
							Q=l/min	0	200	250	300	400	500	600	700	1000	1200	1400	1600				
K 14/400 M	60211857	1x230 V	2,02	1,4	1,9	9		19	18,8	18,5	18	16,3	13,8	10						2" G	2" G	24,5	18
K 14/400 M	102130402	1 x 220 - 240 V ~	2,1	1,85	2,5	9,5		19	18,8	18,5	18	16,3	13,8	10						2" G	2" G	24,5	18
K 14/400 T	60179855	3 x 230 - 400 V ~	1,9	1,85	2,5	6-3,5		19	18,8	18,5	18	16,3	13,8	10						2" G	2" G	22	21
K 11/500 M	60168869	1 x 230	2,8	2,2	3	12,5		24,5	22,5	21,5	20	16,5	11,5	6,5						2½" G	2" G	34,2	18
K 11/500 T	60179379	3 x 230 - 400 V ~	2,9	2,2	3	9,3-5,4		24,5	22,5	21,5	20	16,5	11,5	6,5						2½" G	2" G	21	18
K 18/500 M	60168870	1 x 230	3,9	3	4	18		31	30,7	30,4	30	28	24	17,9									18
K 18/500 T	60179380	3 x 230 - 400 V ~	3,7	3	4	11,4-6,6		31	30,7	30,4	30	28	24	17,9						2½" G	2" G	19	18
K 28/500 M	60168871	1 x 230	4,7	4	5,5	21,4		35	34,5	34	32,8	29,3	25,2	20						2½" G	2" G	42	18
K 28/500 T	60179882	3 x 230 - 400 V ~	4,6	3,7	5	14,2-8,2	H (m)	35	34,5	34	32,8	29,3	25,2	20						2½" G	2" G	40,6	18
K 40/400 T	60180172	3 x 400 V ~ [1]	6,7	5,5	7,5	11,7		50,5	49	48	45	37	24							65	50	79	6
K 50/400 T	60167622	3 x 400 V ~ [1]	8,5	7,5	10	14,5		62	61	60	59	54,5	46							65	50	78,8	6
K 30/800 T	60167623	3 x 400 V ~ [1]	8,2	7,5	10	14,4		44				42	40	38	35	21,5				80	65	90,2	6
K 40/800 T	60167624	3 x 400 V ~ [1]	10,2	9,2	12,5	17,1		51,5				50	48	47	43,5	32,5	21			80	65	95	6
K 50/800 T	60167625	3 x 400 V ~ [1]	12,7	11	15	21		58				56,5	55	53,5	51	41	31			80	65	104,3	6
K 20/1200 T	60167626	3 x 400 V ~ [1]	8,3	7,5	10	14,3		37,5				36,5	36	35	34	30	26	21	15	80	65	88	6
K 25/1200 T	60167627	3 x 400 V ~ [1]	9,4	9,2	12,5	16,2		40,7				39	38,5	38	37	33,5	30	25	18	80	65	94	6
K 35/1200 T	60167628	3 x 400 V ~ [1]	11,8	11	15	20		45						43	42,5	38,5	35	31,5	27	80	65	100	6

[1] Star (⅄) starting is possible.

K - SINGLE IMPELLER CENTRIFUGAL - *SINGLE-PHASE*

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	WEIGHT Kg	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	4,8	6	7,2	9	9,6	10,8	12	15	18	24	30	36				
							Q=l/min	0	80	100	120	150	160	180	200	250	300	400	500	600				
K 36/200 M	60152451	1 x 230	3,0	2,2	3	13,5		36,6	36	35,5	35	34	33,3	32,5	31,5	28	23,5				2" G	1¼" G	33,1	18
K 40/200 M	60152452	1 x 230	3,6	3	4	16,0	H (m)	41,3	41	40,5	40	39	38,8	38	37	33,5	29				2" G	1¼" G	34,9	18
K 55/200 M	60152453	1 x 230	5,0	4	5,5	21,8		54		54	53,9	53,2	53	52	51,5	48,5	45				2" G	1¼" G	39	18
K 11/500 M	60168869	1 x 230	2,5	2,2	3	11,2		24,5							22,5	21,5	20	16,5	11,5	6,5	2½" G	2" G	34,2	18

K TWIN IMPELLERS

TWIN IMPELLERS CENTRIFUGAL PUMPS

K 35/40 M

K 70/300 T

Twin impeller centrifugal pump designed for use in pressurisation units for water supply systems for domestic, civil and industrial use.
Suitable for sprinkling irrigation and other water supply applications.
Cast iron pump body and motor support.
Technopolymer impeller.
Stainless steel driving shaft.
Carbon/ceramic mechanical seal.
Asynchronous, closed motor, cooled by external ventilation.
Built-in thermal and current overload protection and a capacitor permanently on in the single-phase version.
For the protection of the three-phase motor it is advisable to use a suitable overload protection complying with the regulations in force.

Operating range
From 1,2 to 30 m³/h with head up to 97 metres.

Pumped liquid characteristics clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised, chemically neutral and close to the characteristics of water.

Liquid temperature range
From -10°C to +50°C for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100.
From -15°C to +110°C for K 55/50, K 66/100, K 90/100, K 70/300, K 80/300, K 70/400, K 80/400.

Maximum operating range
K 35/40, K 35/100, K 40/100: **6 bar (600 kPa).**
K 45/50, K 55/50: **8 bar (800 kPa).**
K 55/100, K 66/100: **10 bar (1000 kPa).**
K 90/100, K 70/300, K 80/300 K 70/400, K 80/400: **12 bar (1200 kPa).**

Maximum ambient temperature +40°C.

Protection level IP 44.

Terminal board protection level IP 55.

Insulation class F.

THREE-PHASE MOTORS	P2		
		< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2	
	≥ 120 W	IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

K - TWIN IMPELLERS CENTRIFUGAL

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNA	DNM	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	1,2	1,8	2,4	3,6	4,8	6	7,2	9	9,6	10,8				
							Q=l/min	0	20	30	40	60	80	100	120	150	160	180				
K 35/40 M	60212464	1 x 230 V	1,2	0,85	1,15	5,3		43,5	41,5	40	38	33	23,5						1" G	1" G	15,9	27
K 35/40 M	102120004	1 x 220 - 240 V ~	1,2	0,75	1	5,5		43,5	41,5	40	38	33	23,5						1" G	1" G	15,9	27
K 35/40 T	60179870	3 x 230 - 400 V ~	1,2	0,75	1	3,8-2,2		43,5	41,5	40	38	33	23,5						1" G	1" G	15	27
K 45/50 M	60211561	1 x 230 V	1,93	1,1	1,5	8,7		51	49	47,5	46	42	37	30					1¼" G	1" G	23,3	21
K 45/50 M	102120022	1 x 220 - 240 V ~	1,86	1,1	1,5	8,3		51	49	47,5	46	42	37	30					1¼" G	1" G	23,3	21
K 45/50 M-P**	60211563	1 x 230 V	1,93	1,1	1,5	8,7		51	49	47,5	46	42	37	30					1¼" G	1" G	24	21
K 45/50 M-P**	102122022	1 x 220 - 240 V ~	1,86	1,1	1,5	8,3		51	49	47,5	46	42	37	30					1¼" G	1" G	24	21
K 45/50 T	60179854	3 x 230 - 400 V ~	1,8	1,1	1,5	5,9-3,4		51	49	47,5	46	42	37	30					1¼" G	1" G	22,5	21
K 55/50 M	60211896	1 x 230 V	2,81	1,8	2,45	12,5		62	60	58	57	52	45	34					1½" G	1" G	27,2	18
K 55/50 M	102120162	1 x 220 - 240 V ~	2,7	1,85	2,5	12,8	H (m)	62	60	58	57	52	45	34					1½" G	1" G	27,2	18
K 55/50 T	60179852	3 x 230 - 400 V ~	2,4	1,85	2,5	8,4-4,8		62	60	58	57	52	45	34					1½" G	1" G	23,9	21
K 35/100 M	60211562	1 x 230 V	1,59	1,1	1,5	7,1		38,5			37,5	36,5	35	32	28,5	18,5	17,5		1½" G	1" G	22	21
K 35/100 M	102121002	1 x 220 - 240 V ~	1,56	1,1	1,5	7,1		38,5			37,5	36,5	35	32	28,5	18,5	17,5		1½" G	1" G	22	21
K 35/100 T	60179877	3 x 230 - 400 V ~	1,6	1,1	1,5	6,5-3,5		38,5			37,5	36,5	35	32	28,5	18,5	17,5		1½" G	1" G	21	21
K 40/100 M	60211862	1 x 230 V	1,98	1,8	2,45	9		44			43,4	42,5	41	39	35,7	29	26	18,5	1½" G	1" G	25,9	18
K 40/100 M	102121032	1 x 220 - 240 V ~	2	1,85	2,5	9		44			43,4	42,5	41	39	35,7	29	26	18,5	1½" G	1" G	25,9	18
K 40/100 T	60179869	3 x 230 - 400 V ~	1,8	1,85	2,5	7-4		44			43,4	42,5	41	39	35,7	29	26	18,5	1½" G	1" G	22	21
K 55/100 T	60179373	3 x 230 - 400 V ~	3,7	2,2	3	11,6-6,7		62			59,5	57	54,5	51	47	39	36		1½" G	1" G	19	18
K 55/100 M	60152448	1 x 230	3,4	2,2	3	14,9		62			59,5	57	54,5	51	47	39	36		1½" G	1" G	38,1	18

[1] Star (⅄) starting is possible.

** Pump equipped with pressure gauge, pressure switch, power cable with plug and five -way fitting to use for connecting to a tank.

K TWIN IMPELLERS

TWIN IMPELLERS CENTRIFUGAL PUMPS

K - TWIN IMPELLERS CENTRIFUGAL

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA	DNM	KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³/h	0	2,4	3,6	4,8	6	7,2	9	9,6	10,8	12	15	18	24	30					
							Q=l/min	0	40	60	80	100	120	150	160	180	200	250	300	400	500					
K 66/100 T	60179857	3 x 230 - 400 V ~	5	3,7	5	14,6-8,4	H (m)	73	70	67,5	64	60,5	57	49	47								1½" G	1" G	40,7	18
K 66/100 M	60152449	1 x 230	4,4	3	4	19,5		73	70	67,5	64	60,5	57	49	47								1½" G	1" G	40,7	18
K 90/100 T	60179859	3 x 230 - 400 V ~	5	3,7	5	16,5-9,5		83,5	82	79,5	76,5	72,5	68	61	58								1½" G	1" G	44	18
K 90/100 M	60152450	1 x 230	5,0	4	5,5	21,9		83,5	82	79,5	76,5	72,5	68	61	58								1½" G	1" G	44	18
K 70/300 T	60179381	3 x 400 V ~ [1]	6,9	5,5	7,5	12,9		76				74	73	72	71,5	70	69	65	60,5	43,5			2" G	1¼" G	72	6
K 80/300 T	60167629	3 x 400 V ~ [1]	9,1	7,5	10	15,2		95				93	92,2	91	90,5	90	89,5	87	82	68			2" G	1¼" G	78,5	6
K 70/400 T	60167630	3 x 400 V ~ [1]	9,2	9,2	12,5	15,5		86						84	83,2	82,5	82	79	76	65	47		2" G	1¼" G	74	6
K 80/400 T	60167631	3 x 400 V ~ [1]	10,8	11	15	18,5		97							95	94,5	94	92	89	80	64		2" G	1¼" G	79	6

[1] Star (⅄) starting is possible.

** Pump equipped with pressure gauge, pressure switch, power cable with plug and five -way fitting to use for connecting to a tank.

KC, KCV

CENTRIFUGAL PUMPS FOR AIR CONDITIONING

KC

KCV

Pumping of water or other not aggressive not explosive liquids that do not contain solid particles or fibre.
Especially suitable for handling water and glycol solutions in air conditioning circuits.

PLUS VERSATILE: thanks to the high quality construction materials and oversized motors, the KC and KCV series of pumps can be used in surroundings with temperatures up to 65°C and a glycol percentage of as much as 40% in the handled liquid.
RELIABLE: all components are sized to guarantee a working life of at least 50,000 duty hours (with the exception of the bearings and mechanical seals, the manufacturers of which guarantee an average life of 25,000 hours in the most severe duty conditions).
RUST PROOF: all components in contact with the liquid are made of thermoplastic (polypropylene or reinforced Noryl) and the pump shaft is made of AISI 304 stainless steel.
FLEXIBLE: facility to rotate the pump body in steps of 90° for greater installation flexibility.
Complete hydraulic section (pump body, seal holder flange, impeller, diffuser) made of fibreglass reinforced technopolymer, shaft extension in contact with liquid in AISI 304 stainless steel, mechanical seal in silicon carbide/graphite.
O-rings in EPDM Externally cooled asynchronous motor for continuous duty (S1), 2 poles.

Maximum ambient temperature 65°C.
Motor protection rating IP55.
Insulation class
F (copper wire with class H insulation).
Standard input voltage
Three-phase 230-400 V/50 Hz.
Sealed, water resistant and humidity resistant ball bearings Motor construction to EN 60335-2-41.
Operating range from 3 to 45 m³/h.
Maximum head 24 m.
Maximum working pressure 6.5 bar.
Liquid temperature range from -10 to +55°C.
Maximum glycol contents up to 40%.
Installation fixed or portable in horizontal position.
Pumped liquid
Maximum ambient temperature: 65°C.
Special versions on request
Alternative voltages and/or frequencies.

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX kW	P2 (W)	In A	RESISTANCE MOTOR STARTER (Ohm)	Q=m³/h	0	10	15	20	25	30	40			
							Q=l/min	0	167	250	333	417	500	667			
KC 150 T	60180128	3 x 230 - 400 V ~	1,2	870	2,3	6,28	H (m)	13,6	12,8	11,5	9,5	6,5			2" m gas	2" m gas	14
KC 200 T	60180129	3 x 230 - 400 V ~	1,5	1260	3,1	3,51		16,8	15,7	15	14	11,8	9		2" gas	2" gas	16
KC 250 T	60180130	3 x 230 - 400 V ~	2,3	1900	4,3	2,55		21	20	19,1	17,7	15,5	12		2" m gas	2" m gas	19
KC 300 T	60180131	3 x 230 - 400 V ~	3	2560	5,8	1,72		24,3		23,4	22,5	21,3	19,5	13,9	2" gas	2" gas	23
KCV 150 T	60180132	3 x 230 - 400 V ~	1,2	870	2,3	6,28		13,6	12,8	11,5	9,5	6,5			2" m Victaulic	2" m Victaulic	14
KCV 200 T	60180133	3 x 230 - 400 V ~	1,5	1260	3,1	3,51		16,8	15,7	15	14	11,8	9		2" Victaulic	2" Victaulic	16
KCV 250 T	60179377	3 x 230 - 400 V ~	2,3	1900	4,3	2,55		21	20	19,1	17,7	15,5	12		2" m Victaulic	2" m Victaulic	19
KCV 300 T	60179378	3 x 230 - 400 V ~	3	2560	5,8	1,72		24,3		23,4	22,5	21,3	19,5	13,9	2" Victaulic	2" Victaulic	23

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

Enbloc centrifugal electric pumps with integral shaft designed for a wide range of applications, such as:

- Water supply
- Circulation of hot water for central heating.
- Circulation of cold water for air conditioning and refrigerating.
- Transfer of liquids in agriculture, horticulture and industries.
- Implementation of pumping systems

Pump construction characteristics:

Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges in accordance with DIN 2533. Cast iron impeller, encased and dynamically balanced with compensation of the axial thrust by means of balancing holes, operating (on request) with interchangeable consumable rings. AISI 304 stainless steel pump shaft.

Seal: standardised mechanical seal made to DIN 24960 in carbon / carborundum with O' rings in EPDM.

Motor construction characteristics

Closed, asynchronous motor with external ventilation, 2 poles for NKP and 4 poles for NKM. Rotor mounted on oversized ball bearings to ensure silent running and long life. We recommend using overload protection for the motor, in accordance with current norms. In the case of liquids denser than water, the motors must be proportionally more powerful.

Built to IEC 2-3 standards.

Protection level IP 55.

Insulation level F.

Standard voltage 230/400 V 50 Hz up to 2,2 Kw included 400 V Δ 50 Hz over 2,2 Kw.

Speed of rotation 1450 - 2900 1/min.

Operating range
From 1 to 105 m^3/h with head up to 96 metres.

Characteristics of pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Liquid temperature range
From -10°C to +140°C.

Maximum ambient temperature +40°C.
(on request up to 50°C)

Maximum operating pressure 16 bar - 1600 kPa.

Flanging PN 16 DIN 2533.

Installation normally horizontal or vertical provided the motor is always above the pump.

Special versions on request
Pumps for liquids other than water.
Other voltages and/or frequencies.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

SINGLE-PHASE MOTORS	P2	≥120 W	IE2

* Available soon

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NKM-G - STANDARDISED ENBLOC - 4 POLES

CAST IRON IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	WEIGHT KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m^3/h	0	6	12	18	24	30	36			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600			
NKM-G 32-125.1/140/A/BAQE/0.25/4	1D1K11BXC	3 x 230 - 400 V ~	0.25	0.33	1,56	0,9		6.2	5.8	4.2					50	32	32,8
NKM-G 32-125/142/A/BAQE/0.37/4	1D1111B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1		7	6.75	5.85	4.2				50	32	33,5
NKM-G 32-160.1 169/A/BAQE/0.37/4	1D1L11B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1		8.9	8.2	4.6					50	32	35,6
NKM-G 32-160/169/A/BAQE/0,55/4	1D1211B2C	3 x 230 - 400 V ~	0.55	0.75	2,6	1,5		9.4	9	7.9	5.6				50	32	39,8
NKM-G 32-200.1 200/A/BAQE/0,55/4	1D1M11B2C	3 x 230 - 400 V ~	0.55	0.75	2,6	1,5		12.7	11.2	7.2					50	32	45
NKM-G 32-200/200/A/BAQE/0,75/4	1D1311B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		13	12.5	11.1	8.45				50	32	42
NKM-G 32-200/219/A/BAQE/1,1/4	1D1311B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5		16	15.4	14.3	12.2				50	32	41
NKM-G 40-125/115/A/BAQE/0.25/4	1D2111BXC	3 x 230 - 400 V ~	0.25	0.33	1,56	0,9		4.2	4.1	3.7	3	2.1			65	40	34,2
NKM-G 40-125/130/A/BAQE/0.37/4	1D2111B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1		5.4	5.3	5.	4.4	3.5			65	40	35,3
NKM-G 40-125/142/A/BAQE/0.55/4	1D2111B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5		6.6	6.5	6.2	5.7	4.8			65	40	39,4
NKM-G 40-160/153/A/BAQE/0.55/4	1D2211B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5		7.6	7.6	7.5	6.7	5.5			65	40	40
NKM-G 40-160/166/A/BAQE/0.75/4	1D2211B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		9.2	9.2	9	8.4	7.4	5.7		65	40	35
NKM-G 40-200/200/A/BAQE/1,1/4	1D2311B4W	3 x 230 - 400 V ~	1.1	1.5	4,3	2,5		12.5	12.5	12.3	11.2	9.7	7.7		65	40	41
NKM-G 40-200/219/A/BAQE/1,5/4	1D2311B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		15.6	15.6	15.3	14.7	13.4	11.8	9.8	65	40	42
NKM-G 40-250/245/A/BAQE/2,2/4	1D2411B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		20.6	20.5	20.1	19.2	17.8	16		65	40	63
NKM-G 40-250/260/A/BAQE/3/4	1D2411B7X	3 x 400 V ~	3	4	-	6,8		23.3	23.1	22.8	22.2	20.8	19		65	40	59

H (m)

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G - STANDARDISED ENBLOC - 4 POLES

CAST IRON IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA																				DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114			
			kW	HP	230V	400V	Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900			
NKM-G 50-125/130/A/ BAQE/0.55/4	1D3111B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5		5.5	5.2	5	4.7	4.3	3.9	3.3	2.6										65	50	43
NKM-G 50-125/141/A/ BAQE/0.75/4	1D3111B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		6.5	6.3	6.1	5.8	5.5	5	4.5	3.9										65	50	37
NKM-G 50-160/161/A/ BAQE/1.1/4	1D3211B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5		8.6	8.6	8.5	8.2	7.8	7.3	6.7	5.7										65	50	37
NKM-G 50-160/177/A/ BAQE/1,5/4	1D3211B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		10.7	10.7	10.7	10.5	10.2	9.8	9.2	8.3										65	50	35
NKM-G 50-200/210/A/ BAQE/2,2/4	1D3311B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		15.3	15.3	15.2	14.8	14	13.3	12.1	10.8	9.4									65	50	55
NKM-G 50-200/219/A/BAQE/3/4	1D3311B7X	3 x 400 V ~	3	4	-	6,8		16.8	16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9									65	50	52
NKM-G 50-250/263/A/BAQE/4/4	1D3411B8X	3 x 400 V ~	4	5.5	-	8,2		23.8	23.8	23.8	23.4	22.7	21.6	20.4	19	17.1									65	50	56
NKM-G 65-125/130/A/ BAQE/0.75/4	1D4111B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		5.1	4.9	4.8	4.75	4.7	4.4	4.2	3.8	3.4	3	2.5							80	65	52
NKM-G 65-125/144/A/ BAQE/1.1/4	1D4111B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5	H (m)	6.5	6.4	6.4	6.3	6.2	6	5.75	5.5	5.1	4.65	4.2	3.75						80	65	39
NKM-G 65-160/153/A/ BAQE/1,1/4	1D4211B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5		7.4	7.4	7.3	7.15	6.9	6.65	6.25	5.8	5.3	4.4								80	65	42
NKM-G 65-160/165/A/ BAQE/1,5/4	1D4211B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		8.9		8.8	8.7	8.6	8.3	8	7.6	7.15	6.6	6							80	65	40
NKM-G 65-160/177/A/ BAQE/2,2/4	1D4211B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		10.5			10.4	10.3	10.2	9.9	9.6	9.2	8.75	8.2	7.4	6.6					80	65	52
NKM-G 65-200/210/A/BAQE/3/4	1D4311B7X	3 x 400 V ~	3	4	-	6,8		15.3			15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3						80	65	56
NKM-G 65-200/219/A/BAQE/4/4	1D4311B8X	3 x 400 V ~	4	5.5	-	8,2		17			17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6					80	65	58
NKM-G 65-250/263/A/ BAQE/5,5/4	1D4411B9X	3 x 400 V ~	5.5	7.5	-	10,6		24.1			23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3					80	65	142
NKM-G 65-315/279/A/ BAQE/7,5/4	1D4511BAX	3 x 400 V ~	7.5	10	-	14,4		27						26	25.5	25	24.5	23.6	22.7	21.5	20.2	19			80	65	163
NKM-G 65-315/309/A/ BAQE/11/4	1D4511BBX	3 x 400 V ~	11	15	-	22,4		34.2						33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7	80	65	231

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G - STANDARDISED ENBLOC - 4 POLES

CAST IRON IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																		DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180			
			kW	HP	230V	400V	Q=l/min	0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000			
NKM-G 80-160/153-136/A/ BAQE/1.5/4	1D5211B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		6.5	6.35	6.3	6.2	5.95	5.75	5.55	5.3	5	4.7	4.5	4.25	3.65	3				100	80	46
NKM-G 80-160/ 163/A/BAQE/2,2/4	1D5211B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		8.65	8.5	8.45	8.3	8.15	7.9	7.7	7.4	7.2	6.9	6.65	6.3	5.7	4.9	4.6			100	80	61
NKM-G 80-160/ 177/A/BAQE/3/4	1D5211B7X	3 x 400 V ~	3	4	-	6,8		10.2	10.2	10.1	10	9.9	9.75	9.65	9.5	9.25	9	8.8	8.6	7.9	7.2	6.7			100	80	58
NKM-G 80-200/ 200/A/BAQE/4/4	1D5311B8X	3 x 400 V ~	4	5.5	-	8,2		13.2			13.1	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7			100	80	83
NKM-G 80-200/ 222/A/BAQE/5,5/4	1D5311B9X	3 x 400 V ~	5.5	7.5	-	10,6		16.6			16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7			100	80	130
NKM-G 80-250/ 240/A/BAQE/7,5/4	1D5411BAX	3 x 400 V ~	7.5	10	-	14,4	H (m)	20.4			20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16			100	80	153
NKM-G 80-250/ 270/A/BAQE/11/4	1D5411BBX	3 x 400 V ~	11	15	-	22,4		25.6			25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21			100	80	205
NKM-G 80-315/ 305/A/BAQE/15/4	1D5511BCX	3 x 400 V ~	15	20	-	30,5		32.9					32.7	32.6	32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24		100	80	263
NKM-G 80-315/ 320/A/BAQE/18,5/4	1D5511BDX	3 x 400 V ~	18.5	25	-	34,3		36.8					36.7	36.7	36.6	36.5	36.5	36.5	36.1	35.5	34.5	34	29.5		100	80	275
NKM-G 80-315/ 334/A/BAQE/22/4	1D5511BEX	3 x 400 V ~	22	30	-	40,2		41					40.8	40.8	40.7	40.6	40.6	40.4	40.2	39.8	39	38.5	34.8	29	100	80	298

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA																	DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	60	66	72	78	84	90	102	114	120	150	180	210						
			kW	HP		Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500						
NKM-G100-200/ 200/A/BAQE/5.5/4	1D6311B9X	3 x 400 V ~	5.5	7.5	10,6		12.7	12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5					125	100	166
NKM-G100-200/ 214/A/BAQE/7.5/4	1D6311BAX	3 x 400 V ~	7.5	10	14,4		15.6	15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8				125	100	149
NKM-G100-250/ 250/A/BAQE/11/4	1D6411BBX	3 x 400 V ~	11	15	22,4		21.1	21	21	21	21	21	21	20.9	20	19.8	18	16					125	100	213
NKM-G100-250/ 270/A/BAQE/15/4	1D6411BCX	3 x 400 V ~	15	20	30,5	H (m)	25.5	25.5	25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5				125	100	237
NKM-G100-315/ 300/A/BAQE/18.5/4	1D6511BDX	3 x 400 V ~	18.5	25	34,3		32					31.5	31.4	31	30.5	28.8	26	23					125	100	257
NKM-G100-315/ 316/A/BAQE/22/4	1D6511BEX	3 x 400 V ~	22	30	40,2		36					35.5	35.2	35	34.6	33.2	31	28	24				125	100	272

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA																	DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	102	114	120	150	180	210	240	270	300	330	360	390	420						
			kW	HP		Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000						
NKM-G125-250/ 243/A/BAQE/15/4	1D7411BCX	3 x 400 V ~	15	20	30,5		19.5	19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9					150	125	274
NKM-G125-250/ 256/A/BAQE/18,5/4	1D7411BDX	3 x 400 V ~	18.5	25	34,3	H (m)	21.9	21.8	21.8	21.7	21.6	21.3	20.5	19.5	18.5	17.2	15.6	14	12				150	125	290
NKM-G125-250/ 266/A/BAQE/22/4	1D7411BEX	3 x 400 V ~	22	30	40,2		24.6	24.4	24.2	24.1	24	23.5	22.9	22	21	19.8	18.5	16.7	15				150	125	309
NKM-G150-200/ 218/A/BAQE/11/4	1D8311BBX	3 x 400 V ~	11	15	22,4		13.2	13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7			150	125	280

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G - STANDARDISED ENBLOC - 4 POLES

BRONZE IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	6	12	18	24	30	36			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600			
NKM-G 32-125.1/ 140/B/BAQE/0.25/4	1D1K21BXC	3 x 230 - 400 V ~	0.25	0.33	1,56	0,9		6.2	5.8	4.2					50	32	32,8
NKM-G 32-125/142/B/ BAQE/0.37/4	1D1121B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1		7	6.75	5.85	4.2				50	32	33,5
NKM-G 32-160.1/ 169/B/BAQE/0.37/4	1D1L21B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1		8.9	8.2	4.6					50	32	35,6
NKM-G 32-160/169/B/ BAQE/0,55/4	1D1221B2C	3 x 230 - 400 V ~	0.55	0.75	2,6	1,5		9.4	9	7.9	5.6				50	32	39,8
NKM-G 32-200.1/200/B/ BAQE/0,55/4	1D1M21B2C	3 x 230 - 400 V ~	0.55	0.75	2,6	1,5		12.7	11.2	7.2					50	32	45
NKM-G 32-200/200/B/ BAQE/0,75/4	1D1321B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		13	12.5	11.1	8.45				50	32	42
NKM-G 32-200/219/B/ BAQE/1,1/4	1D1321B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5		16	15.4	14.3	12.2				50	32	41
NKM-G 40-125/115/B/ BAQE/0.25/4	1D2121BXC	3 x 230 - 400 V ~	0.25	0.33	1,56	0,9		4.2	4.1	3.7	3	2.1			65	40	34,2
NKM-G 40-125/130/B/ BAQE/0.37/4	1D2121B1C	3 x 230 - 400 V ~	0.37	0.5	1,69	1	H (m)d	5.4	5.3	5.	4.4	3.5			65	40	35,3
NKM-G 40-125/142/B/ BAQE/0.55/4	1D2121B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5		6.6	6.5	6.2	5.7	4.8			65	40	39,4
NKM-G 40-160/153/B/ BAQE/0.55/4	1D2221B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5		7.6	7.6	7.5	6.7	5.5			65	40	40
NKM-G 40-160/166/B/ BAQE/0.75/4	1D2221B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8		9.2	9.2	9	8.4	7.4	5.7		65	40	35
NKM-G 40-200/200/B/ BAQE/1,1/4	1D2321B4W	3 x 230 - 400 V ~	1.1	1.5	4,3	2,5		12.5	12.5	12.3	11.2	9.7	7.7		65	40	41
NKM-G 40-200/219/B/ BAQE/1,5/4	1D2321B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		15.6	15.6	15.3	14.7	13.4	11.8	9.8	65	40	42
NKM-G 40-250/245/B/ BAQE/2,2/4	1D2421B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		20.6	20.5	20.1	19.2	17.8	16		65	40	63
NKM-G 40-250/260/B/BAQE/3/4	1D2421B7X	3 x 400 V ~	3	4	-	6,8		23.3	23.1	22.8	22.2	20.8	19		65	40	59

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G - STANDARDISED ENBLOC - 4 POLES

BRONZE IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA																					DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)			Q=m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114					
			kW	HP	230V	400V		Q=l/min	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900					
NKM-G 50-125/130/B/ BAQE/0.55/4	1D3121B2C	3 x 230 - 400 V ~	0.55	0.75	2,60	1,5			5.5	5.2	5	4.7	4.3	3.9	3.3	2.6												65	50	43
NKM-G 50-125/141/B/ BAQE/0.75/4	1D3121B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8			6.5	6.3	6.1	5.8	5.5	5	4.5	3.9												65	50	38
NKM-G 50-160/161/B/ BAQE/1.1/4	1D3221B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5			8.6	8.6	8.5	8.2	7.8	7.3	6.7	5.7												65	50	37
NKM-G 50-160/177/B/ BAQE/1,5/4	1D3221B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6			10.7	10.7	10.7	10.5	10.2	9.8	9.2	8.3												65	50	35
NKM-G 50-200/210/B/ BAQE/2,2/4	1D3321B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9			15.3	15.3	15.2	14.8	14	13.3	12.1	10.8	9.4											65	50	54
NKM-G 50-200/219/B/BAQE/3/4	1D3321B7X	3 x 400 V ~	3	4	-	6,8			16.8	16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9											65	50	52
NKM-G 50-250/263/B/BAQE/4/4	1D3421B8X	3 x 400 V ~	4	5.5	-	8,2			23.8	23.8	23.8	23.4	22.7	21.6	20.4	19	17.1											65	50	56
NKM-G 65-125/130/B/ BAQE/0.75/4	1D4121B3W	3 x 230 - 400 V ~	0.75	1	3,12	1,8			5.1	4.9	4.8	4.75	4.7	4.4	4.2	3.8	3.4	3	2.5									80	65	52
NKM-G 65-125/144/B/ BAQE/1.1/4	1D4121B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5	H (m)		6.5	6.4	6.4	6.3	6.2	6	5.75	5.5	5.1	4.65	4.2	3.75								80	65	39
NKM-G 65-160/153/B/ BAQE/1,1/4	1D4221B4W	3 x 230 - 400 V ~	1.1	1.5	4,33	2,5			7.4	7.4	7.3	7.15	6.9	6.65	6.25	5.8	5.3	4.4										80	65	42
NKM-G 65-160/165/B/ BAQE/1,5/4	1D4221B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6			8.9		8.8	8.7	8.6	8.3	8	7.6	7.15	6.6	6									80	65	40
NKM-G 65-160/177/B/ BAQE/2,2/4	1D4221B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9			10.5			10.4	10.3	10.2	9.9	9.6	9.2	8.75	8.2	7.4	6.6							80	65	52
NKM-G 65-200/210/B/BAQE/3/4	1D4321B7X	3 x 400 V ~	3	4	-	6,8			15.3			15.2	15.2	15.1	14.6	14.1	13.5	12.9	12.2	11.3								80	65	56
NKM-G 65-200/219/B/BAQE/4/4	1D4321B8X	3 x 400 V ~	4	5.5	-	8,2			17			17	16.9	16.8	16.4	16.2	15.8	15.2	14.3	13.8	12.6							80	65	58
NKM-G 65-250/263/B/ BAQE/5,5/4	1D4421B9X	3 x 400 V ~	5.5	7.5	-	10,6			24.1			23.8	23.6	23.3	22.8	22.3	21.5	20.8	19.7	18.6	17.3							80	65	142
NKM-G 65-315/279/B/ BAQE/7,5/4	1D4521BAX	3 x 400 V ~	7.5	10	-	14,4			27						26	25.5	25	24.5	23.6	22.7	21.5	20.2	19					80	65	163
NKM-G 65-315/309/B/ BAQE/11/4	1D4521BBX	3 x 400 V ~	11	15	-	22,4			34.2						33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7			80	65	231

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKM-G - STANDARDISED ENBLOC - 4 POLES

BRONZE IMPELLER

> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																		DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180			
			kW	HP	230V	400V	Q=l/min	0	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000			
NKM-G 80-160/153-136/B/ BAQE/1.5/4	1D5221B5W	3 x 230 - 400 V ~	1.5	2	6,24	3,6		6.5	6.35	6.3	6.2	5.95	5.75	5.55	5.3	5	4.7	4.5	4.25	3.65	3				100	80	46
NKM-G 80-160/163/B/ BAQE/2,2/4	1D5221B6W	3 x 230 - 400 V ~	2.2	3	10,22	5,9		8.65	8.5	8.45	8.3	8.15	7.9	7.7	7.4	7.2	6.9	6.65	6.3	5.7	4.9	4.6			100	80	61
NKM-G 80-160/177/B/BAQE/3/4	1D5221B7X	3 x 400 V ~	3	4	-	6,8		10.2	10.2	10.1	10	9.9	9.75	9.65	9.5	9.25	9	8.8	8.6	7.9	7.2	6.7			100	80	58
NKM-G 80-200/200/B/BAQE/4/4	1D5321B8X	3 x 400 V ~	4	5.5	-	8,2		13.2			13.1	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7			100	80	84
NKM-G 80-200/222/B/ BAQE/5,5/4	1D5321B9X	3 x 400 V ~	5.5	7.5	-	10,6		16.6			16.5	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7			100	80	130
NKM-G 80-250/240/B/ BAQE/7,5/4	1D5421BAX	3 x 400 V ~	7.5	10	-	14,4	H (m)	20.4			20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16			100	80	153
NKM-G 80-250/270/B/ BAQE/11/4	1D5421BBX	3 x 400 V ~	11	15	-	22,4		25.6			25.5	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21			100	80	205
NKM-G 80-315/305/B/ BAQE/15/4	1D5521BCX	3 x 400 V ~	15	20	-	30,5		32.9					32.7	32.6	32.6	32.5	32.4	32	31.6	30.5	29.5	28.9	24		100	80	263
NKM-G 80-315/320/B/ BAQE/18,5/4	1D5521BDX	3 x 400 V ~	18.5	25	-	34,3		36.8					36.7	36.7	36.6	36.5	36.5	36.5	36.1	35.5	34.5	34	29.5		100	80	275
NKM-G 80-315/334/B/ BAQE/22/4	1D5521BEX	3 x 400 V ~	22	30	-	40,2		41					40.8	40.8	40.7	40.6	40.6	40.4	40.2	39.8	39	38.5	34.8	29	100	80	298

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	60	66	72	78	84	90	102	114	120	150	180	210			
			kW	HP		Q=l/min	0	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500			
NKM-G100-200/ 200/B/BAQE/5.5/4	1D6321B9X	3 x 400 V ~	5.5	7.5	10,6		12.7	12.6	12.6	12.5	12.5	12.4	12.3	12	11.5	11.4	10.1	8.5		125	100	142
NKM-G100-200/ 214/B/BAQE/7.5/4	1D6321BAX	3 x 400 V ~	7.5	10	14,4		15.6	15.4	15.4	15.3	15.2	15.1	15	14.7	14.5	14.3	13.3	11.6	9.8	125	100	149
NKM-G100-250/ 250/B/BAQE/11/4	1D6421BBX	3 x 400 V ~	11	15	22,4	H (m)	21.1	21	21	21	21	21	21	20.9	20	19.8	18	16		125	100	213
NKM-G100-250/ 270/B/BAQE/15/4	1D6421BCX	3 x 400 V ~	15	20	30,5		25.5	25.5	25.5	25.5	25.3	25.1	25.1	25	24.5	24	22.5	20.5	17.5	125	100	237
NKM-G100-315/ 300/B/BAQE/18.5/4	1D6521BDX	3 x 400 V ~	18.5	25	34,3		32					31.5	31.4	31	30.5	28.8	26	23		125	100	257
NKM-G100-315/ 316/B/BAQE/22/4	1D6521BEX	3 x 400 V ~	22	30	40,2		36					35.5	35.2	35	34.6	33.2	31	28	24	125	100	272

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA															DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	102	114	120	150	180	210	240	270	300	330	360	390	420			
			kW	HP		Q=l/min	0	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000			
NKM-G125-250/ 243/B/BAQE/15/4	1D7421BCX	3 x 400 V ~	15	20	30,5		19.5	19.3	19.3	19.2	19.2	18.7	17.8	16.8	15.5	14.1	12.5	10.9			150	125	274
NKM-G125-250/ 256/B/BAQE/18,5/4	1D7421BDX	3 x 400 V ~	18.5	25	34,3		21.9	21.8	21.8	21.7	21.6	21.3	20.5	19.5	18.5	17.2	15.6	14	12		150	125	290
NKM-G125-250/ 266/B/BAQE/22/4	1D7421BEX	3 x 400 V ~	22	30	40,2	H (m)	24.6	24.4	24.2	24.1	24	23.5	22.9	22	21	19.8	18.5	16.7	15		150	125	309
NKM-G150-200/ 218/B/BAQE/11/4	1D8321BBX	3 x 400 V ~	11	15	22,4		13.2	13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7	150	125	280

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKP-G - STANDARDISED ENBLOC - 2 POLES

CAST IRON IMPELLER

> 2900 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200			
NKP-G 32-125.1/ 102/A/BAQE/0.75/2	1D1K11B3U	3 x 230 - 400 V ~	0,75	1	2,94	1,7		13	12.5	11	8										50	32	30
NKP-G 32-125.1/ 115/A/BAQE/1.1/2	1D1K11B4U	3 x 230 - 400 V ~	1,1	1.5	4,16	2,4		17.2	17	15	12.5										50	32	31
NKP-G 32-125.1/ 125/A/BAQE/1.5/2	1D1K11B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		21	20.8	19	16.8										50	32	33
NKP-G 32-125.1/ 140/A/BAQE/2.2/2	1D1K11B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		27	26.9	25.9	23	19.5									50	32	34
NKP-G 32-125/110/A/ BAQE/1.1/2	1D1111B4U	3 x 230 - 400 V ~	1,1	1.5	4,16	2,4		15.8	15.2	14.5	12.9	9.9									50	32	28
NKP-G 32-125/120/A/ BAQE/1.5/2	1D1111B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		19.3	18.9	18.2	16.8	14.5									50	32	32
NKP-G 32-125/130/A/ BAQE/2.2/2	1D1111B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		23.6	23.1	23	21.6	19.6	16.8								50	32	34
NKP-G 32-125/142/A/BAQE/3/2	1D1111B7V	3 x 400 V ~	3,0	4	-	5,6		28.6	28	27.6	26.5	24.6	21.8	17.9							50	32	48
NKP-G 32-160.1 155/A/ BAQE/2.2/2	1D1L11B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		31.7	32.4	31	26.7										50	32	35
NKP-G 32-160.1 166/A/ BAQE/3/2	1D1L11B7V	3 x 400 V ~	3,0	4	-	5,6		36.7	37.3	36.3	32.8	27									50	32	42
NKP-G 32-160.1 177/A/ BAQE/4/2	1D1L11B8V	3 x 400 V ~	4	5,5	-	8,2		42.7	43.4	42.6	38.5	33.9									50	32	59
NKP-G 32-160/151/A/BAQE/3/2	1D1211B7V	3 x 400 V ~	3,0	4	-	5,6		30.5	30	29	27	24	19.5								50	32	45
NKP-G 32-160/163/A/BAQE/4/2	1D1211B8V	3 x 400 V ~	4,0	5.5	-	8,2		36.2	36	35	33.5	30.5	27	22							50	32	32
NKP-G 32-160/177/A/ BAQE/5,5/2	1D1211B9V	3 x 400 V ~	5,5	7.5	-	10,2		43.5	43.2	42.6	41.5	39	36	31.5	25.5						50	32	51
NKP-G 32-200.1 188/A/ BAQE/4/2	1D1M11B8V	3 x 400 V ~	4,0	5.5	-	8,2	H (m)	45.3	44.4	40.8	34.4	26.8									50	32	38
NKP-G 32-200.1 205/A/ BAQE/5,5/2	1D1M11B9V	3 x 400 V ~	5,5	7.5	-	10,2		56.6	55.7	52	45.8	36.2									50	32	54
NKP-G 32-200/190/A/ BAQE/5.5/2	1D1311B9V	3 x 400 V ~	5,5	7.5	-	10,2		46.9	46.5	45	43	40	35	29							50	32	57
NKP-G 32-200/210/A/ BAQE/7.5/2	1D1311BAV	3 x 400 V ~	7,5	10	-	14,4		58.8	58	57	56	53	49	44							50	32	96
NKP-G 40-125/107/A/ BAQE/1.5/2	1D2111B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7					65	40	34
NKP-G 40-125/120/A/ BAQE/2.2/2	1D2111B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		19	18.7	18.4	17.8	17	15.9	14.6	13	11					65	40	36
NKP-G 40-125/130/A/BAQE/3/2	1D2111B7V	3 x 400 V ~	3,0	4	-	5,6		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5				65	40	47
NKP-G 40-125/139/A/BAQE/4/2	1D2111B8V	3 x 400 V ~	4,0	5.5	-	8,2		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15			65	40	35
NKP-G 40-160/158/A/ BAQE/5,5/2	1D2211B9V	3 x 400 V ~	5,5	7.5	-	10,2		33.7			34	33.4	32.4	31	29.5	27	24				65	40	51
NKP-G 40-160/172/A/ BAQE/7,5/2	1D2211BAV	3 x 400 V ~	7,5	10	-	14,4		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5		65	40	90
NKP-G 40-200/210/A/ BAQE/11/2	1D2311BBV	3 x 400 V ~	11,0	15	-	19,7		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39		65	40	170
NKP-G 40-250/230/A/ BAQE/15/2	1D2411BCV	3 x 400 V ~	15,0	20	-	26,7		72.5			72.5	72	70	68	66	62.5	60	56	51.5		65	40	180
NKP-G 40-250/245/A/ BAQE/18.5/2	1D2411BDV	3 x 400 V ~	18,5	25	-	33		83			83	82.5	81.5	80	77	74	71.5	67.5	63.5	58.5	65	40	192
NKP-G 40-250/260/A/ BAQE/22/2	1D2411BEV	3 x 400 V ~	22,0	30	-	38,1		96			95	94.5	93.5	92	90	87.5	84	81	76.5	71.5	65	40	223

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKP-G - STANDARDISED ENBLOC - 2 POLES

CAST IRON IMPELLER

> 2900 1/min

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA																		DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In	Q=m³/h	0	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150			
			kW	HP	A	Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500			
NKP-G 50-125/115/A/BAQE/3/2	1D3111B7V	3 x 400 V ~	3,0	4	5,6	H (m)	17	16.5	16	15.5	15	14.5	13.7	13	12	11	10	9						65	50	48
NKP-G 50-125/125/A/BAQE/4/2	1D3111B8V	3 x 400 V ~	4,0	5.5	8,2		20.5	20	19.5	19.1	18.5	18	17.5	16.5	15.8	14.8	14	12.5	11.5					65	50	42
NKP-G 50-125/135/A/ BAQE/5,5/2	1D3111B9V	3 x 400 V ~	5,5	7.5	10,2		24	23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4				65	50	53
NKP-G 50-125/144/A/ BAQE/7,5/2	1D3111BAV	3 x 400 V ~	7,5	10	14,4		28	27.8	27.5	27.3	27	26.5	25.8	25.3	24.5	23.5	23	21.5	20.5	18	15.5			65	50	87
NKP-G 50-160/153/A/ BAQE/7.5/2	1D3211BAV	3 x 400 V ~	7,5	10	14,4		31.9	31.5	31.5	31.5	31.2	31	30.5	29.5	28.5	27.5	26	25	23.5					65	50	64
NKP-G 50-160/169/A/ BAQE/11/2	1D3211BBV	3 x 400 V ~	11,0	15	19,7		39.6		39.5	39.3	39.1	39	38.5	38	37.2	36.5	35	34	32.5					65	50	96
NKP-G 50-200/200/A/ BAQE/15/2	1D3311BCV	3 x 400 V ~	15,0	20	26,7		55.1		54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41					65	50	176
NKP-G 50-200/210/A/ BAQE/18,5/2	1D3311BDV	3 x 400 V ~	18,5	25	33		61.7		61.7	61.6	61.5	60.5	59	58	56.5	55	53	51	48.5	43				65	50	187
NKP-G 50-200/219/A/ BAQE/22/2	1D3311BEV	3 x 400 V ~	22,0	30	38,1		67.7		67.5	67.4	66.5	66	65.5	64	62.5	61	59.5	57	55	50				65	50	218
NKP-G 50-250/230/A/ BAQE/22/2	1D3411BEV	3 x 400 V ~	22,0	30	38,1		73.6		73.2	73.1	72.8	72	71	68.5	67	65	62.5	60	57	49				65	50	223
NKP-G 50-250/257/A/ BAQE/30/2	1D3411BFV	3 x 400 V ~	30,0	40	52,1		93		92.5	92.3	92	91.5	91	89	87.5	86	83	81	78	72				65	50	351
NKP-G 65-125/120-110/A/ BAQE/4/2	1D4111B8V	3 x 400 V ~	4,0	5.5	8,2		16			15	14.6	14.2	13.7	13.3	12.8	12.3	12	11.4	10	8.5	8			80	65	40
NKP-G 65-125/127/A/ BAQE/5,5/2	1D4111B9V	3 x 400 V ~	5,5	7.5	10,2		19.5			19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12		80	65	55
NKP-G 65-125/137/A/ BAQE/7,5/2	1D4111BAV	3 x 400 V ~	7,5	10	14,4		23.5			23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12	80	65	94
NKP-G 65-160/157/A/ BAQE/11/2	1D4211BBV	3 x 400 V ~	11,0	15	19,7		32.5					32.3	32	31.9	31.3	30.2	30	29.2	28.7	27	24.8	23.6		80	65	166
NKP-G 65-160/173/A/ BAQE/15/2	1D4211BCV	3 x 400 V ~	15,0	20	26,7		40.1					39.7	39.6	39.5	39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9	80	65	172
NKP-G 65-200/190/A/ BAQE/18,5/2	1D4311BDV	3 x 400 V ~	18,5	25	33		51.1					51	50.8	50.5	50	49	48.5	48	47.5	45	42.5	41		80	65	192
NKP-G 65-200/200/A/ BAQE/22/2	1D4311BEV	3 x 400 V ~	22,0	30	38,1		56.4					56.1	56.1	56	55.8	55.5	55	54.8	54.5	53	51	49		80	65	223
NKP-G 65-200/219/A/ BAQE/30/2	1D4311BFV	3 x 400 V ~	30,0	40	52,1		68.9					68.8	68.8	68.7	68.7	68.6	68.5	68.4	67.5	66	64	63.1	57	80	65	351

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In	Q=m³/h	0	90	102	114	120	150	180	210	240			
			kW	HP	A	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000			
NKP-G 80-160/147-127/A/ BAQE/11/2	1D5211BBV	3 x 400 V ~	11,0	15	19,7	H (m)	24	22	21.4	20.4	20	17.4	16.8	12		100	80	179
NKP-G 80-160/153/A/ BAQE/15/2	1D5211BCV	3 x 400 V ~	15,0	20	26,7		30.5	29	28.4	27.5	27	24.5	21.3	18.3		100	80	181
NKP-G 80-160/163/A/ BAQE/18,5/2	1D5211BDV	3 x 400 V ~	18,5	25	33		35.5	34.3	33.6	32.6	32.3	29.8	26.8	23.6	20	100	80	192
NKP-G 80-160/169/A/ BAQE/22/2	1D5211BEV	3 x 400 V ~	22,0	30	38,1		38.5	37.2	36.8	36	35.8	33.5	30.8	27.5	24	100	80	221
NKP-G 80-200/190/A/ BAQE/30/2	1D5311BFV	3 x 400 V ~	30,0	40	52,1		48.3	47.9	47.6	47.5	47.3	44.7	41	36	29	100	80	374

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKP-G - STANDARDISED ENBLOC - 2 POLES

BRONZE IMPELLER

> 2900 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL		In (A)		Q=m³/h	0	6	12	18	24	30	36	42	48	54	60	66	72			
			kW	HP	230V	400V	Q=l/min	0	100	200	300	400	500	600	700	800	900	1000	1100	1200			
NKP-G 32-125.1/102/B/ BAQE/0.75/2	1D1K21B3U	3 x 230 - 400 V ~	0,75	1	2,94	1,7		13	12.5	11	8										50	32	30
NKP-G 32-125.1/115/B/ BAQE/1.1/2	1D1K21B4U	3 x 230 - 400 V ~	1,1	1.5	4,16	2,4		17.2	17	15	12.5										50	32	31
NKP-G 32-125.1/125/B/ BAQE/1.5/2	1D1K21B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		21	20.8	19	16.8										50	32	33
NKP-G 32-125.1/140/B/ BAQE/2.2/2	1D1K21B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		27	26.9	25.9	23	19.5									50	32	34
NKP-G 32-125/110/B/ BAQE/1.1/2	1D1121B4U	3 x 230 - 400 V ~	1,1	1.5	4,16	2,4		15.8	15.2	14.5	12.9	9.9									50	32	28
NKP-G 32-125/120/B/ BAQE/1.5/2	1D1121B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		19.3	18.9	18.2	16.8	14.5									50	32	32
NKP-G 32-125/130/B/ BAQE/2.2/2	1D1121B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		23.6	23.1	23	21.6	19.6	16.8								50	32	34
NKP-G 32-125/142/B/BAQE/3/2	1D1121B7V	3 x 400 V ~	3,0	4	-	5,6		28.6	28	27.6	26.5	24.6	21.8	17.9							50	32	48
NKP-G 32-160.1 155/B/ BAQE/2.2/2	1D1L21B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		29.2	29	26,5	20,5										50	32	35
NKP-G 32-160.1 166/B/ BAQE/3/2	1D1L21B7V	3 x 400 V ~	3,0	4	-	5,6		35.3	35	33	28										50	32	42
NKP-G 32-160.1 177/B/ BAQE/4/2	1D1L21B8V	3 x 400 V ~	4	5,5	-	8,2		42.7	43.4	42.6	38.5	33.9									50	32	59
NKP-G 32-160/151/B/BAQE/3/2	1D1221B7V	3 x 400 V ~	3,0	4	-	5,6		30.5	30	29	27	24	19.5								50	32	45
NKP-G 32-160/163/B/BAQE/4/2	1D1221B8V	3 x 400 V ~	4,0	5.5	-	8,2		36.2	36	35	33.5	30.5	27	22							50	32	32
NKP-G 32-160/177/B/ BAQE/5,5/2	1D1221B9V	3 x 400 V ~	5,5	7.5	-	10,2		43.5	43.2	42.6	41.5	39	36	31.5	25.5						50	32	51
NKP-G 32-200.1 188/B/ BAQE/4/2	1D1M21B8V	3 x 400 V ~	4,0	5.5	-	8,2	H (m)	45.3	44.4	40.8	34.4	26.8									50	32	38
NKP-G 32-200.1 205/B/ BAQE/5,5/2	1D1M21B9V	3 x 400 V ~	5,5	7.5	-	10,2		56.6	55.7	52	45.8	36.2									50	32	54
NKP-G 32-200/190/B/ BAQE/5.5/2	1D1321B9V	3 x 400 V ~	5,5	7.5	-	10,2		46.9	46.5	45	43	40	35	29							50	32	57
NKP-G 32-200/210/B/ BAQE/7.5/2	1D1321BAV	3 x 400 V ~	7,5	10	-	14,4		58.8	58	57	56	53	49	44							50	32	96
NKP-G 40-125/107/B/ BAQE/1.5/2	1D2121B5U	3 x 230 - 400 V ~	1,5	2	5,20	3		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7					65	40	34
NKP-G 40-125/120/B/ BAQE/2.2/2	1D2121B6U	3 x 230 - 400 V ~	2,2	3	7,97	4,6		19	18.7	18.4	17.8	17	15.9	14.6	13	11					65	40	36
NKP-G 40-125/130/B/BAQE/3/2	1D2121B7V	3 x 400 V ~	3,0	4	-	5,6		22.8	22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5				65	40	47
NKP-G 40-125/139/B/BAQE/4/2	1D2121B8V	3 x 400 V ~	4,0	5.5	-	8,2		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15			65	40	35
NKP-G 40-160/158/B/ BAQE/5,5/2	1D2221B9V	3 x 400 V ~	5,5	7.5	-	10,2		33.7			34	33.4	32.4	31	29.5	27	24				65	40	51
NKP-G 40-160/172/B/ BAQE/7,5/2	1D2221BAV	3 x 400 V ~	7,5	10	-	14,4		40.7			40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5		65	40	90
NKP-G 40-200/210/B/ BAQE/11/2	1D2321BBV	3 x 400 V ~	11,0	15	-	19,7		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39		65	40	170
NKP-G 40-250/230/B/ BAQE/15/2	1D2421BCV	3 x 400 V ~	15,0	20	-	26,7		72.5			72.5	72	70	68	66	62.5	60	56	51.5		65	40	180
NKP-G 40-250/245/B/ BAQE/18.5/2	1D2421BDV	3 x 400 V ~	18,5	25	-	33		83			83	82.5	81.5	80	77	74	71.5	67.5	63.5	58.5	65	40	192
NKP-G 40-250/260/B/ BAQE/22/2	1D2421BEV	3 x 400 V ~	22,0	30	-	38,1		96			95	94.5	93.5	92	90	87.5	84	81	76.5	71.5	65	40	223

The price does not include the counterflanges.

NKM-G, NKP-G

STANDARDISED ENBLOC CENTRIFUGAL PUMPS

NKP-G - STANDARDISED ENBLOC - 2 POLES

BRONZE IMPELLER

> 2900 1/min

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA																	DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120	150			
						Q=l/min	0	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500			
NKP-G 50-125/115/B/BAQE/3/2	1D3121B7V	3 x 400 V ~	3,0	4	5,6		17	16.5	16	15.5	15	14.5	13.7	13	12	11	10	9						65	50	48
NKP-G 50-125/125/B/BAQE/4/2	1D3121B8V	3 x 400 V ~	4,0	5.5	8,2		20.5	20	19.5	19.1	18.5	18	17.5	16.5	15.8	14.8	14	12.5	11.5					65	50	42
NKP-G 50-125/135/B/ BAQE/5,5/2	1D3121B9V	3 x 400 V ~	5,5	7.5	10,2		24	23.6	23.5	23.2	22.8	22.2	21.5	21	20	19.1	18.5	17.5	16.5	13.4				65	50	53
NKP-G 50-125/144/B/ BAQE/7,5/2	1D3121BAV	3 x 400 V ~	7,5	10	14,4		28	27.8	27.5	27.3	27	26.5	25.8	25.3	24.5	23.5	23	21.5	20.5	18	15.5			65	50	87
NKP-G 50-160/153/B/ BAQE/7.5/2	1D3221BAV	3 x 400 V ~	7,5	10	14,4		31.9	31.5	31.5	31.5	31.2	31	30.5	29.5	28.5	27.5	26	25	23.5					65	50	64
NKP-G 50-160/169/B/ BAQE/11/2	1D3221BBV	3 x 400 V ~	11,0	15	19,7		39.6		39.5	39.3	39.1	39	38.5	38	37.2	36.5	35	34	32.5					65	50	96
NKP-G 50-200/200/B/ BAQE/15/2	1D3321BCV	3 x 400 V ~	15,0	20	26,7		55.1		54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41					65	50	176
NKP-G 50-200/210/B/ BAQE/18,5/2	1D3321BDV	3 x 400 V ~	18,5	25	33		61.7		61.7	61.6	61.5	60.5	59	58	56.5	55	53	51	48.5	43				65	50	187
NKP-G 50-200/219/B/ BAQE/22/2	1D3321BEV	3 x 400 V ~	22,0	30	38,1		67.7		67.5	67.4	66.5	66	65.5	64	62.5	61	59.5	57	55	50				65	50	218
NKP-G 50-250/230/B/ BAQE/22/2	1D3421BEV	3 x 400 V ~	22,0	30	38,1	H (m)	73.6		73.2	73.1	72.8	72	71	68.5	67	65	62.5	60	57	49				65	50	223
NKP-G 50-250/257/B/ BAQE/30/2	1D3421BFV	3 x 400 V ~	30,0	40	52,1		93		92.5	92.3	92	91.5	91	89	87.5	86	83	81	78	72				65	50	351
NKP-G 65-125/120-110/B/ BAQE/4/2	1D4121B8V	3 x 400 V ~	4,0	5.5	8,2		16			15	14.6	14.2	13.7	13.3	12.8	12.3	12	11.4	10	8.5	8			80	65	40
NKP-G 65-125/127/B/ BAQE/5,5/2	1D4121B9V	3 x 400 V ~	5,5	7.5	10,2		19.5			19	18.9	18.7	18.4	18.1	17.5	17.2	16.9	16.5	15.8	14.5	13	12		80	65	55
NKP-G 65-125/137/B/ BAQE/7,5/2	1D4121BAV	3 x 400 V ~	7,5	10	14,4		23.5			23.1	23	22.8	22.6	22.5	22	21.6	21.1	20.7	20.2	19	17.5	14.8	12	80	65	94
NKP-G 65-160/157/B/ BAQE/11/2	1D4221BBV	3 x 400 V ~	11,0	15	19,7		32.5					32.3	32	31.9	31.3	30.2	30	29.2	28.7	27	24.8	23.6		80	65	166
NKP-G 65-160/173/B/ BAQE/15/2	1D4221BCV	3 x 400 V ~	15,0	20	26,7		40.1					39.7	39.6	39.5	39.5	39	38.5	38.2	37.5	36	34.5	33.5	26.9	80	65	172
NKP-G 65-200/190/B/ BAQE/18,5/2	1D4321BDV	3 x 400 V ~	18,5	25	33		51.1					51	50.8	50.5	50	49	48.5	48	47.5	45	42.5	41		80	65	192
NKP-G 65-200/200/B/ BAQE/22/2	1D4321BEV	3 x 400 V ~	22,0	30	38,1		56.4					56.1	56.1	56	55.8	55.5	55	54.8	54.5	53	51	49		80	65	223
NKP-G 65-200/219/B/ BAQE/30/2	1D4321BFV	3 x 400 V ~	30,0	40	52,1		68.9					68.8	68.8	68.7	68.7	68.6	68.5	68.4	67.5	66	64	63.1	57	80	65	351

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	KG
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	90	102	114	120	150	180	210	240			
						Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000			
NKP-G 80-160/147-127/ BAQE/11/2	1D5221BBV	3 x 400 V ~	11,0	15	19,7		24	22	21.4	20.4	20	17.4	16.8	12		100	80	179
NKP-G 80-160/153/B/ BAQE/15/2	1D5221BCV	3 x 400 V ~	15,0	20	26,7		30.5	29	28.4	27.5	27	24.5	21.3	18.3		100	80	181
NKP-G 80-160/163/B/ BAQE/18,5/2	1D5221BDV	3 x 400 V ~	18,5	25	33	H (m)	35.5	34.3	33.6	32.6	32.3	29.8	26.8	23.6	20	100	80	192
NKP-G 80-160/169/B/ BAQE/22/2	1D5221BEV	3 x 400 V ~	22,0	30	38,1		38.5	37.2	36.8	36	35.8	33.5	30.8	27.5	24	100	80	221
NKP-G 80-200/190/B/ BAQE/30/2	1D5321BFV	3 x 400 V ~	30,0	40	52,1		48.3	47.9	47.6	47.5	47.3	44.7	41	36	29	100	80	374

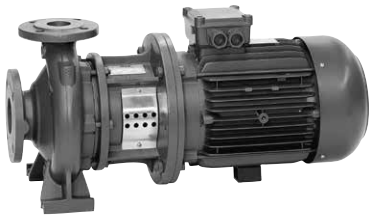
The price does not include the counterflanges.

SPECIAL VERSION

MODEL
NKM-G / NKP-G 32/125.1
NKM-G / NKP-G 32/160.1
NKM-G / NKP-G 32/200.1
NKM-G / NKP-G 32/125
NKM-G / NKP-G 32/160
NKM-G / NKP-G 32/200
NKM-G / NKP-G 40/125
NKM-G / NKP-G 40/160
NKM-G / NKP-G 40/200
NKM-G / NKP-G 40/250
NKM-G / NKP-G 50/125
NKM-G / NKP-G 50/160
NKM-G / NKP-G 50/200
NKM-G / NKP-G 50/250
NKM-G / NKP-G 65/125
NKM-G / NKP-G 65/160
NKM-G / NKP-G 65/200
NKM-G 65/250
NKM-G 65/315
NKM-G / NKP-G 80/160
NKM-G / NKP-G 80/200
NKM-G 80/250
NKM-G 80/315
NKM-G 100/200
NKM-G 100/250
NKM-G 100/315
NKM-G 125/250
NKM-G 150/200

VERSIONS WITH SPECIAL MECHANICAL SEALS

(1) Ref. Technical catalogue mechanical seal
"E version" = Silicon carbide/silicon carbide/EPDM
(2) Ref. Technical catalogue mechanical seal
"C version" = with rubber bellow: silicon carbide/silicon carbide/Viton
(3) Ref. Technical catalogue mechanical seal
"D version" = with rubber bellow: carbon/silicon carbide/Viton



MODEL
NKM-G / NKP-G 32/125.1
NKM-G / NKP-G 32/160.1
NKM-G / NKP-G 32/200.1
NKM-G / NKP-G 32/125
NKM-G / NKP-G 32/160
NKM-G / NKP-G 32/200
NKM-G / NKP-G 40/125
NKM-G / NKP-G 40/160
NKM-G / NKP-G 40/200
NKM-G / NKP-G 40/250
NKM-G / NKP-G 50/125
NKM-G / NKP-G 50/160
NKM-G / NKP-G 50/200
NKM-G / NKP-G 50/250
NKM-G / NKP-G 65/125
NKM-G / NKP-G 65/160
NKM-G / NKP-G 65/200
NKM-G 65/250
NKM-G 65/315
NKM-G / NKP-G 80/160
NKM-G / NKP-G 80/200
NKM-G 80/250
NKM-G 80/315
NKM-G 100/200
NKM-G 100/250
NKM-G 100/315
NKM-G 125/250
NKM-G 150/200

CATAPHORESY COATING FOR COMPONENTS IN CONTACT WITH LIQUID

FOR BRONZE IMPELLER VERSIONS

KDN

STANDARDISED CENTRIFUGAL PUMPS

End suction, centrifugal electric pumps with coupling designed for a wide range of applications such as:
- Supplying water.
- The circulation of hot water for central heating.
- The circulation of cold water for air conditioning and refrigerating.
- The transfer of liquids in agriculture, horticulture and industries.
- The implementation of pumping systems.

These can be connected to a two or four poles electric motor with a coupling and mounted on a pressed metal bedplate in accordance with UNI EN 23661.
Single-stage, cast iron spiral body made to DIN-EN 733 (formerly DIN 24255), cast iron seal holder cover and motor support, flanges in accordance with DIN 2533 (DIN 2532 for DN 200).
Impeller in cast iron, encased and dynamically balanced with compensation of the axial thrust by means of balancing holes, operating (on request) with interchangeable consumable rings.
Stainless steel pump shaft supported by two large maintenance-free greased ball bearings, housed inside a special chamber of the support.
Standard seal: standardised mechanical seal made to DIN 24960 in carbon/carborundum with O' rings in EPDM. Packing on request with hydraulic lubricating ring.

Speed of rotation 1450 - 2900 1/min.

Operating range
from 1 to 500 m^3/h with a head of up to 100 metres.

Pumped liquid clean, without solid or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral, close to water characteristics.

Liquid temperature range
from -10°C to +140°C.

Maximum ambient temperature +40°C.
(on request up to 50°C)

Maximum working pressure
16 bar - 1600 kPa (for DN 200 max. 10 bar).

Flanging
PN 16 DIN 2533 - PN 10 DIN 2532 for DN 200.

Installation normally horizontal.

Special versions on request pumps for liquids other than water.
Other voltages and/or frequencies.

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

SELECTION TABLES PAGE 221

ACCESSORIES PAGE 245

KDN - *STANDARDISED CENTRIFUGAL PUMPS ON BASE*

4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 32-125.1/105	0,37	105	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/110	0,37	110	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/115	0,37	115	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/120	0,37	120	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/125	0,37	125	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/130	0,37	130	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/135	0,37	135	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125.1/140	0,37	140	3 x 230- 400 V	1,8 - 1,05	50	32	1D1K1111C	1D1K2111C	81
KDN 32-125/115	0,37	115	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125/120	0,37	120	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125/125	0,37	125	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	81
KDN 32-125/130	0,37	130	3 x 230- 400 V	1,8 - 1,05	50	32	1D111111C	1D112111C	81
KDN 32-125/135	0,55	135	3 x 230- 400 V	2,6 - 1,5	50	32	-	-	83
KDN 32-125/142	0,55	142	3 x 230- 400 V	2,6 - 1,5	50	32	1D111112C	1D112112C	83
KDN 32-160.1/137	0,37	137	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	83
KDN 32-160.1/145	0,37	145	3 x 230- 400 V	1,8 - 1,05	50	32	-	-	83
KDN 32-160.1/153	0,37	153	3 x 230- 400 V	1,8 - 1,05	50	32	1D1L1111C	1D1L2111C	83
KDN 32-160.1/161	0,55	161	3 x 230- 400 V	2,6 - 1,5	50	32	-	-	85
KDN 32-160.1/169	0,55	169	3 x 230- 400 V	2,6 - 1,5	50	32	1D1L1112C	1D1L2112C	85
KDN 32-160.1/177	0,75	177	3 x 230- 400 V	3,1 - 1,8	50	32	1D1L1113W	1D1L2113W	88
KDN 32-160/137	0,55	137	3 x 230- 400 V	2,6 - 1,5	50	32	-	-	85
KDN 32-160/145	0,55	145	3 x 230- 400 V	2,6 - 1,5	50	32	-	-	85
KDN 32-160/153	0,55	153	3 x 230- 400 V	2,6 - 1,5	50	32	1D121112C	1D122112C	85
KDN 32-160/161	0,75	161	3 x 230- 400 V	3,1 - 1,8	50	32	-	-	88
KDN 32-160/169	0,75	169	3 x 230- 400 V	3,1 - 1,8	50	32	1D121113W	1D122113W	88
KDN 32-160/177	1,1	177	3 x 230- 400 V	4,3 - 2,5	50	32	1D121114W	1D122114W	91
KDN 32-200.1/170	0,55	170	3 x 230- 400 V	2,6 - 1,5	50	32	1D1M1112C	1D1M2112C	85
KDN 32-200.1/180	0,75	180	3 x 230- 400 V	3,1 - 1,8	50	32	-	-	88
KDN 32-200.1/190	0,75	190	3 x 230- 400 V	3,1 - 1,8	50	32	1D1M1113W	1D1M2113W	88
KDN 32-200.1/200	1,1	200	3 x 230- 400 V	4,3 - 2,5	50	32	-	-	91
KDN 32-200.1/207	1,1	207	3 x 230- 400 V	4,3 - 2,5	50	32	1D1M1114W	1D1M2114W	91
KDN 32-200/170	0,55	170	3 x 230- 400 V	2,6 - 1,5	50	32	1D131112C	1D132112C	85
KDN 32-200/180	0,75	180	3 x 230- 400 V	3,1 - 1,8	50	32	1D131113W	1D132113W	88
KDN 32-200/190	1,1	190	3 x 230- 400 V	4,3 - 2,5	50	32	-	-	91
KDN 32-200/200	1,1	200	3 x 230- 400 V	4,3 - 2,5	50	32	1D131114W	1D132114W	91
KDN 32-200/210	1,5	210	3 x 230- 400 V	6,2 - 3,6	50	32	-	-	96
KDN 32-200/219	1,5	219	3 x 230- 400 V	6,2 - 3,6	50	32	1D131115W	1D132115W	96

(*) For the weight with spacer coupling, add 5 kg.
(1) Star starting is possible.

****When placing an order, please specify both the product code and the diameter of the impeller**
(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 40-125/115	0,37	115	3 x 230- 400 V	1,8 - 1,05	65	40	1D211111C	1D212111C	81
KDN 40-125/120	0,55	120	3 x 230- 400 V	2,6 - 1,5	65	40	-	-	85
KDN 40-125/125	0,55	125	3 x 230- 400 V	2,6 - 1,5	65	40	-	-	85
KDN 40-125/130	0,55	130	3 x 230- 400 V	2,6 - 1,5	65	40	1D211112C	1D212112C	85
KDN 40-125/135	0,75	135	3 x 230- 400 V	3,1 - 1,8	65	40	-	-	88
KDN 40-125/142	0,75	142	3 x 230- 400 V	3,1 - 1,8	65	40	1D211113W	1D212113W	88
KDN 40-160/137	0,75	137	3 x 230- 400 V	3,1 - 1,8	65	40	-	-	88
KDN 40-160/145	0,75	145	3 x 230- 400 V	3,1 - 1,8	65	40	1D221113W	1D222113W	88
KDN 40-160/153	1,1	153	3 x 230- 400 V	4,3 - 2,5	65	40	-	-	91
KDN 40-160/161	1,1	161	3 x 230- 400 V	4,3 - 2,5	65	40	1D221114W	1D222114W	91
KDN 40-160/169	1,5	169	3 x 230- 400 V	6,2 - 3,6	65	40	-	-	96
KDN 40-160/177	1,5	177	3 x 230- 400 V	6,2 - 3,6	65	40	1D221115W	1D222115W	96
KDN 40-200/170	1,1	170	3 x 230- 400 V	4,3 - 2,5	65	40	-	-	91
KDN 40-200/180	1,1	180	3 x 230- 400 V	4,3 - 2,5	65	40	1D231114W	1D232114W	91
KDN 40-200/190	1,5	190	3 x 230- 400 V	6,2 - 3,6	65	40	-	-	96
KDN 40-200/200	1,5	200	3 x 230- 400 V	6,2 - 3,6	65	40	1D231115W	1D232115W	96
KDN 40-200/210	2,2	210	3 x 230- 400 V	8,3 - 4,8	65	40	-	-	101
KDN 40-200/219	2,2	219	3 x 230- 400 V	8,3 - 4,8	65	40	1D231116W	1D232116W	101
KDN 40-250/220	2.2	220	3 x 230- 400 V	8,3 - 4,8	65	40	1D241116W	1D242116W	119
KDN 40-250/230	3.0	230	3 x 400 V ~(1)	6,8	65	40	-	-	135
KDN 40-250/240	3.0	240	3 x 400 V ~(1)	6,8	65	40	1D241117X	1D242117X	135
KDN 40-250/250	4.0	250	3 x 400 V ~(1)	8,2	65	40	-	-	179
KDN 40-250/260	4.0	260	3 x 400 V ~(1)	8,2	65	40	1D241118X	1D242118X	179
KDN 50-125/115	0,75	115	3 x 230- 400 V	3,1 - 1,8	65	50	-	-	88
KDN 50-125/120	0,75	120	3 x 230- 400 V	3,1 - 1,8	65	50	1D311113W	1D312113W	88
KDN 50-125/125	1,1	125	3 x 230- 400 V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/130	1,1	130	3 x 230- 400 V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/135	1,1	135	3 x 230- 400 V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/139	1,1	139	3 x 230- 400 V	4,3 - 2,5	65	50	1D311114W	1D312114W	91
KDN 50-125/144	1,5	144	3 x 230- 400 V	6,2 - 3,6	65	50	1D311115W	1D312115W	96
KDN 50-160/137	1,1	137	3 x 230- 400 V	4,3 - 2,5	65	50	-	-	91
KDN 50-160/145	1,1	145	3 x 230- 400 V	4,3 - 2,5	65	50	1D321114W	1D322114W	91
KDN 50-160/153	1,5	153	3 x 230- 400 V	6,2 - 3,6	65	50	1D321115W	1D322115W	96
KDN 50-160/161	2,2	161	3 x 230- 400 V	8,3 - 4,8	65	50	-	-	101
KDN 50-160/169	2,2	169	3 x 230- 400 V	8,3 - 4,8	65	50	-	-	101
KDN 50-160/177	2,2	177	3 x 230- 400 V	8,3 - 4,8	65	50	1D321116W	1D322116W	101
KDN 50-200/170	1,5	170	3 x 230- 400 V	6,2 - 3,6	65	50	-	-	96
KDN 50-200/180	1,5	180	3 x 230- 400 V	6,2 - 3,6	65	50	1D331115W	1D332115W	96
KDN 50-200/190	2,2	190	3 x 230- 400 V	8,3 - 4,8	65	50	-	-	101
KDN 50-200/200	2,2	200	3 x 230- 400 V	8,3 - 4,8	65	50	1D331116W	1D332116W	101
KDN 50-200/210	3	210	3 x 400 V ~(1)	6,8	65	50	-	-	108
KDN 50-200/219	3	219	3 x 400 V ~(1)	6,8	65	50	1D331117X	1D332117X	108
KDN 50-250/220	3	220	3 x 400 V ~(1)	6,8	65	50	-	-	124
KDN 50-250/230	3	230	3 x 400 V ~(1)	6,8	65	50	1D341117X	1D342117X	124
KDN 50-250/240	4	240	3 x 400 V ~(1)	8,2	65	50	-	-	144
KDN 50-250/250	4	250	3 x 400 V ~(1)	8,2	65	50	1D341118X	1D342118X	144
KDN 50-250/263	5,5	263	3 x 400 V ~(1)	10,6	65	50	1D341119X	1D342119X	165
KDN 65-125/120/110	0,75	120-110	3 x 230- 400 V	3,1 - 1,8	80	65	1D411113W	1D412113W	92
KDN 65-125/120	1,1	120	3 x 230- 400 V	4,3 - 2,5	80	65	-	-	95
KDN 65-125/125	1,1	125	3 x 230- 400 V	4,3 - 2,5	80	65	-	-	95
KDN 65-125/130	1,1	130	3 x 230- 400 V	4,3 - 2,5	80	65	1D411114W	1D412114W	95
KDN 65-125/135	1,5	135	3 x 230- 400 V	6,2 - 3,6	80	65	-	-	101
KDN 65-125/140	1,5	140	3 x 230- 400 V	6,2 - 3,6	80	65	-	-	101
KDN 65-125/144	1,5	144	3 x 230- 400 V	6,2 - 3,6	80	65	1D411115W	1D412115W	101

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

**When placing an order, please specify both the product code and the diameter of the impeller

(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 65-160/137	1,1	137	3 x 230- 400 V	4,3 - 2,5	80	65	1D421114W	1D422114W	95
KDN 65-160/145	1,5	145	3 x 230- 400 V	6,2 - 3,6	80	65	1D421115W	1D422115W	101
KDN 65-160/153	2,2	153	3 x 230- 400 V	8,3 - 4,8	80	65	-	-	104
KDN 65-160/161	2,2	161	3 x 230- 400 V	8,3 - 4,8	80	65	-	-	104
KDN 65-160/169	2,2	169	3 x 230- 400 V	8,3 - 4,8	80	65	1D421116W	1D422116W	104
KDN 65-160/177	3	177	3 x 400 V ~(1)	6,8	80	65	1D421117X	1D422117X	134
KDN 65-200/170	2,2	170	3 x 230- 400 V	8,3 - 4,8	80	65	1D431116W	1D432116W	147
KDN 65-200/180	3	180	3 x 400 V ~(1)	6,8	80	65	-	-	150
KDN 65-200/190	3	190	3 x 400 V ~(1)	6,8	80	65	1D431117X	1D432117X	150
KDN 65-200/200	4	200	3 x 400 V ~(1)	8,2	80	65	-	-	185
KDN 65-200/210	4	210	3 x 400 V ~(1)	8,2	80	65	1D431118X	1D432118X	185
KDN 65-200/219	5,5	219	3 x 400 V ~(1)	10,6	80	65	1D431119X	1D432119X	200
KDN 65-250/220	4	220	3 x 400 V ~(1)	8,2	80	65	1D441118X	1D442118X	185
KDN 65-250/230	5,5	230	3 x 400 V ~(1)	10,6	80	65	-	-	201
KDN 65-250/240	5,5	240	3 x 400 V ~(1)	10,6	80	65	-	-	201
KDN 65-250/250	5,5	250	3 x 400 V ~(1)	10,6	80	65	1D441119X	1D442119X	201
KDN 65-250/263	7,5	263	3 x 400 V ~(1)	14,6	80	65	1D44111AX	1D44211AX	238
KDN 65-315/260	7,5	260	3 x 400 V ~(1)	14,6	80	65	1D45111AX	1D45211AX	240
KDN 65-315/275	11	275	3 x 400 V ~(1)	20,5	80	65	-	-	250
KDN 65-315/290	11	290	3 x 400 V ~(1)	20,5	80	65	-	-	250
KDN 65-315/305	11	305	3 x 400 V ~(1)	20,5	80	65	1D45111BX	1D45211BX	250
KDN 65-315/320	15	320	3 x 400 V ~(1)	28	80	65	1D45111CX	1D45211CX	272
KDN 80-160/147/127	2,2	147 - 127	3 x 230- 400 V	8,3 - 4,8	100	80	-	-	139
KDN 80-160/153/136	2,2	153 – 136	3 x 230- 400 V	8,3 - 4,8	100	80	-	-	139
KDN 80-160/153	2,2	153	3 x 230- 400 V	8,3 - 4,8	100	80	1D521116W	1D522116W	139
KDN 80-160/161	3	161	3 x 400 V ~(1)	6,8	100	80	1D521117X	1D522117X	142
KDN 80-160/169	4	169	3 x 400 V ~(1)	8,2	100	80	-	-	152
KDN 80-160/177	4	177	3 x 400 V ~(1)	8,2	100	80	1D521118X	1D522118X	152
KDN 80-200/170	3	170	3 x 400 V ~(1)	6,8	100	80	1D531117X	1D532117X	154
KDN 80-200/180	4	180	3 x 400 V ~(1)	8,2	100	80	-	-	167
KDN 80-200/190	4	190	3 x 400 V ~(1)	8,2	100	80	1D531118X	1D532118X	167
KDN 80-200/200	5,5	200	3 x 400 V ~(1)	10,6	100	80	-	-	188
KDN 80-200/210	5,5	210	3 x 400 V ~(1)	10,6	100	80	1D531119X	1D532119X	188
KDN 80-200/222	7,5	222	3 x 400 V ~(1)	14,6	100	80	1D53111AX	1D53211AX	240
KDN 80-250/220	5,5	220	3 x 400 V ~(1)	10,6	100	80	1D541119X	1D542119X	219
KDN 80-250/230	7,5	230	3 x 400 V ~(1)	14,6	100	80	-	-	250
KDN 80-250/240	7,5	240	3 x 400 V ~(1)	14,6	100	80	1D54111AX	1D54211AX	250
KDN 80-250/250	11	250	3 x 400 V ~(1)	20,5	100	80			270
KDN 80-250/260	11	260	3 x 400 V ~(1)	20,5	100	80	-	-	270
KDN 80-250/270	11	270	3 x 400 V ~(1)	20,5	100	80	1D54111BX	1D54211BX	270
KDN 80-315/275	11	275	3 x 400 V ~(1)	20,5	100	80	1D55111BX	1D55211BX	358
KDN 80-315/290	15	290	3 x 400 V ~(1)	28	100	80	1D55111CX	1D55211CX	365
KDN 80-315/305	18,5	305	3 x 400 V ~(1)	34	100	80	-	-	378
KDN 80-315/320	18,5	320	3 x 400 V ~(1)	34	100	80	1D55111DX	1D55211DX	378
KDN 80-315/334	22	334	3 x 400 V ~(1)	40,5	100	80	1D55111EX	1D55211EX	390

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

****When placing an order, please specify both the product code and the diameter of the impeller**

(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 100-200/180	5,5	180	3 x 400 V ~(1)	10,6	125	100	1D631119X	1D632119X	230
KDN 100-200/190	7,5	190	3 x 400 V ~(1)	14,6	125	100	-	-	270
KDN 100-200/200	7,5	200	3 x 400 V ~(1)	14,6	125	100	1D63111AX	1D63211AX	270
KDN 100-200/210	11	210	3 x 400 V ~(1)	20,5	125	100	-	-	281
KDN 100-200/219	11	219	3 x 400 V ~(1)	20,5	125	100	1D63111BX	1D63211BX	281
KDN 100-250/220	11	220	3 x 400 V ~(1)	20,5	125	100	-	-	281
KDN 100-250/230	11	230	3 x 400 V ~(1)	20,5	125	100	-	-	281
KDN 100-250/240	11	240	3 x 400 V ~(1)	20,5	125	100	1D64111BX	1D64211BX	281
KDN 100-250/250	15	250	3 x 400 V ~(1)	28	125	100	-	-	305
KDN 100-250/260	15	260	3 x 400 V ~(1)	28	125	100	-	-	305
KDN 100-250/270	15	270	3 x 400 V ~(1)	28	125	100	1D64111CX	1D64211CX	305
KDN 100-315/275	15	275	3 x 400 V ~(1)	28	125	100	1D65111CX	1D65211CX	320
KDN 100-315/290	18,5	290'	3 x 400 V ~(1)	34	125	100	1D65111DX	1D65211DX	390
KDN 100-315/305	22	305	3 x 400 V ~(1)	40,5	125	100	1D65111EX	1D65211EX	420
KDN 100-315/320	30	320	3 x 400 V ~(1)	53,5	125	100	-	-	458
KDN 100-315/334	30	334	3 x 400 V ~(1)	53,5	125	100	1D65111FX	1D65211FX	458
KDN 125-250/220	15	220	3 x 400 V ~(1)	28	150	125	-	-	391
KDN 125-250/230	15	230	3 x 400 V ~(1)	28	150	125	1D74111CX	1D74211CX	391
KDN 125-250/240	18,5	240	3 x 400 V ~(1)	34	150	125	-	-	420
KDN 125-250/250	18,5	250	3 x 400 V ~(1)	34	150	125	1D74111DX	1D74211DX	420
KDN 125-250/260	22	260	3 x 400 V ~(1)	40,5	150	125	1D74111EX	1D74211EX	433
KDN 125-250/269	30	269	3 x 400 V ~(1)	53,5	150	125	1D74111FX	1D74211FX	511
KDN 150-200/210/170	11	210-170	3 x 400 V ~(1)	20,5	200	150	-	-	455
KDN 150-200/218/182	11	218-182	3 x 400 V ~(1)	20,5	200	150	1D83111BX	1D83211BX	455
KDN 150-200/218/200	15	218-200	3 x 400 V ~(1)	28	200	150	-	-	476
KDN 150-200/218	15	218	3 x 400 V ~(1)	28	200	150	-	-	476
KDN 150-200/224	15	224	3 x 400 V ~(1)	28	200	150	1D83111CX	1D83211CX	476

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

**When placing an order, please specify both the product code and the diameter of the impeller

(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 32-125.1/105	1,1	105	3 x 230- 400 V	4,2 - 2,4	50	32	1D1K1114U	1D1K2114U	79
KDN 32-125.1/110	1,5	110	3 x 230- 400 V	5,2 - 3	50	32	-	-	87
KDN 32-125.1/115	1,5	115	3 x 230- 400 V	5,2 - 3	50	32	1D1K1115U	1D1K2115U	87
KDN 32-125.1/120	2,2	120	3 x 230- 400 V	8 - 4,6	50	32	-	-	92
KDN 32-125.1/125	2,2	125	3 x 230- 400 V	8 - 4,6	50	32	-	-	92
KDN 32-125.1/130	2,2	130	3 x 230- 400 V	8 - 4,6	50	32	1D1K1116U	1D1K2116U	92
KDN 32-125.1/135	3	135	3 x 400 V ~(1)	5,6	50	32	-	-	100
KDN 32-125.1/140	3	140	3 x 400 V ~(1)	5,6	50	32	1D1K1117V	1D1K2117V	100
KDN 32-125/115	2,2	115	3 x 230- 400 V	8 - 4,6	50	32	-	-	92
KDN 32-125/120	2,2	120	3 x 230- 400 V	8 - 4,6	50	32	1D111116U	1D112116U	92
KDN 32-125/125	3	125	3 x 400 V ~(1)	5,6	50	32	-	-	100
KDN 32-125/130	3	130	3 x 400 V ~(1)	5,6	50	32	-	-	100
KDN 32-125/135	3	135	3 x 400 V ~(1)	5,6	50	32	1D111117V	1D112117V	100
KDN 32-125/142	4	142	3 x 400 V ~(1)	7,0	50	32	1D111118V	1D112118V	108
KDN 32-160.1/137	2,2	137	3 x 230- 400 V	8 - 4,6	50	32	-	-	94
KDN 32-160.1/145	2,2	145	3 x 230- 400 V	8 - 4,6	50	32	1D1L1116U	1D1L2116U	94
KDN 32-160.1/153	3	153	3 x 400 V ~(1)	5,6	50	32	1D1L1117V	1D1L2117V	102
KDN 32-160.1/161	4	161	3 x 400 V ~(1)	7,0	50	32	-	-	110
KDN 32-160.1/169	4	169	3 x 400 V ~(1)	7,0	50	32	1D1L1118V	1D1L2118V	110
KDN 32-160.1/177	5,5	177	3 x 400 V ~(1)	10,2	50	32	1D1L1119V	1D1L2119V	117
KDN 32-160/137	3	137	3 x 400 V ~(1)	5,6	50	32	1D121117V	1D122117V	102
KDN 32-160/145	4	145	3 x 400 V ~(1)	7,0	50	32	-	-	110
KDN 32-160/153	4	153	3 x 400 V ~(1)	7,0	50	32	1D121118V	1D122118V	110
KDN 32-160/161	5,5	161	3 x 400 V ~(1)	10,2	50	32	-	-	117
KDN 32-160/169	5,5	169	3 x 400 V ~(1)	10,2	50	32	-	-	117
KDN 32-160/177	5,5	177	3 x 400 V ~(1)	10,2	50	32	1D121119V	1D122119V	117
KDN 32-200.1/170	4	170	3 x 400 V ~(1)	7	50	32	-	-	118
KDN 32-200.1/180	4	180	3 x 400 V ~(1)	7	50	32	1D1M1118V	1D1M2118V	118
KDN 32-200.1/190	5,5	190	3 x 400 V ~(1)	10,2	50	32	1D1M1119V	1D1M2119V	124
KDN 32-200.1/200	7,5	200	3 x 400 V ~(1)	13,4	50	32	-	-	151
KDN 32-200.1/207	7,5	207	3 x 400 V ~(1)	13,4	50	32	1D1M111AV	1D1M211AV	151
KDN 32-200/170	5,5	170	3 x 400 V ~(1)	10,2	50	32	-	-	124
KDN 32-200/180	5,5	180	3 x 400 V ~(1)	10,2	50	32	1D131119V	1D132119V	124
KDN 32-200/190	7,5	190	3 x 400 V ~(1)	13,4	50	32	-	-	151
KDN 32-200/200	7,5	200	3 x 400 V ~(1)	13,4	50	32	1D13111AV	1D13211AV	151
KDN 32-200/210	11	210	3 x 400 V ~(1)	19,7	50	32	-	-	214
KDN 32-200/219	11	219	3 x 400 V ~(1)	19,7	50	32	1D13111BV	1D13211BV	214

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

**When placing an order, please specify both the product code and the diameter of the impeller

(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 40-125/115	3	115	3 x 400 V ~(1)	5,6	65	40	1D211117V	1D212117V	80
KDN 40-125/120	4	120	3 x 400 V ~(1)	7,0	65	40	-	-	84
KDN 40-125/125	4	125	3 x 400 V ~(1)	7,0	65	40	-	-	84
KDN 40-125/130	4	130	3 x 400 V ~(1)	7,0	65	40	1D211118V	1D212118V	84
KDN 40-125/135	5,5	135	3 x 400 V ~(1)	10,2	65	40	-	-	115
KDN 40-125/142	5,5	142	3 x 400 V ~(1)	10,2	65	40	1D211119V	1D212119V	115
KDN 40-160/137	4	137	3 x 400 V ~(1)	7,0	65	40	1D221118V	1D222118V	86
KDN 40-160/145	5,5	145	3 x 400 V ~(1)	10,2	65	40	1D221119V	1D222119V	120
KDN 40-160/153	7,5	153	3 x 400 V ~(1)	13,4	65	40	-	-	138
KDN 40-160/161	7,5	161	3 x 400 V ~(1)	13,4	65	40	1D22111AV	1D22211AV	138
KDN 40-160/169	11	169	3 x 400 V ~(1)	19,7	65	40	-	-	150
KDN 40-160/177	11	177	3 x 400 V ~(1)	19,7	65	40	1D22111BV	1D22211BV	150
KDN 40-200/170	7,5	170	3 x 400 V ~(1)	13,4	65	40	-	-	150
KDN 40-200/180	7,5	180	3 x 400 V ~(1)	13,4	65	40	1D23111AV	1D23211AV	150
KDN 40-200/190	11	190	3 x 400 V ~(1)	19,7	65	40	-	-	198
KDN 40-200/200	11	200	3 x 400 V ~(1)	19,7	65	40	1D23111BV	1D23211BV	198
KDN 40-200/210	15	210	3 x 400 V ~(1)	26,5	65	40	-	-	204
KDN 40-200/219	15	219	3 x 400 V ~(1)	26,5	65	40	1D23111CV	1D23211CV	204
KDN 40-250/220	15	220	3 x 400 V ~(1)	26,5	65	40	1D24111CV	1D24211CV	251
KDN 40-250/230	18,5	230	3 x 400 V ~(1)	33	65	40	1D24111DV	1D24211DV	266
KDN 40-250/240	22	240	3 x 400 V ~(1)	38	65	40	-	-	278
KDN 40-250/250	22	250	3 x 400 V ~(1)	38	65	40	1D24111EV	1D24211EV	278
KDN 40-250/260	30	260	3 x 400 V ~(1)	52	65	40	1D24111FV	1D24211FV	332
KDN 50-125/115	4	115	3 x 400 V ~(1)	7,0	65	50	1D311118V	1D312118V	91
KDN 50-125/120	5,5	120	3 x 400 V ~(1)	10,2	65	50	-	-	143
KDN 50-125/125	5,5	125	3 x 400 V ~(1)	10,2	65	50	1D311119V	1D312119V	143
KDN 50-125/130	7,5	130	3 x 400 V ~(1)	13,4	65	50	-	-	156
KDN 50-125/135	7,5	135	3 x 400 V ~(1)	13,4	65	50	-	-	156
KDN 50-125/139	7,5	139	3 x 400 V ~(1)	13,4	65	50	1D31111AV	1D31211AV	156
KDN 50-125/144	11	144	3 x 400 V ~(1)	19,7	65	50	1D31111BV	1D31211BV	178
KDN 50-160/137	7,5	137	3 x 400 V ~(1)	13,4	65	50	-	-	165
KDN 50-160/145	7,5	145	3 x 400 V ~(1)	13,4	65	50	1D32111AV	1D32211AV	165
KDN 50-160/153	11	153	3 x 400 V ~(1)	19,7	65	50	-	-	220
KDN 50-160/161	11	161	3 x 400 V ~(1)	19,7	65	50	1D32111BV	1D32211BV	220
KDN 50-160/169	15	169	3 x 400 V ~(1)	26,5	65	50	-	-	260
KDN 50-160/177	15	177	3 x 400 V ~(1)	26,5	65	50	1D32111CV	1D32211CV	260
KDN 50-200/170	11	170	3 x 400 V ~(1)	19,7	65	50	-	-	230
KDN 50-200/180	11	180	3 x 400 V ~(1)	19,7	65	50	1D33111BV	1D33211BV	230
KDN 50-200/190	15	190	3 x 400 V ~(1)	26,5	65	50	-	-	282
KDN 50-200/200	15	200	3 x 400 V ~(1)	26,5	65	50	1D33111CV	1D33211CV	282
KDN 50-200/210	18,5	210	3 x 400 V ~(1)	33	65	50	1D33111DV	1D33211DV	290
KDN 50-200/219	22	219	3 x 400 V ~(1)	38	65	50	1D33111EV	1D33211EV	302
KDN 50-250/220	18,5	220	3 x 400 V ~(1)	33	65	50	1D34111DV	1D34211DV	300
KDN 50-250/230	22	230	3 x 400 V ~(1)	38	65	50	1D34111EV	1D34211EV	315
KDN 50-250/240	30	240	3 x 400 V ~(1)	52	65	50	-	-	358
KDN 50-250/250	30	250	3 x 400 V ~(1)	52	65	50	1D34111FV	1D34211FV	358
KDN 50-250/263	37	263	3 x 400 V ~(1)	63	65	50	1D34111GV	1D34211GV	419

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

**When placing an order, please specify both the product code and the diameter of the impeller

(-) Required at the moment of order

KDN

STANDARDISED CENTRIFUGAL PUMPS

2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	VOLTAGE	In A	DNA	DNM	CAST IRON IMPELLER CODE **	BRONZE IMPELLER CODE **	WEIGHT (*) (STANDARD COUPLING) KG
KDN 65-125/120/110	5,5	120-110	3 x 400 V ~(1)	10,2	80	65	1D411119V	1D412119V	150
KDN 65-125/120	7,5	120	3 x 400 V ~(1)	13,4	80	65	-	-	163
KDN 65-125/125	7,5	125	3 x 400 V ~(1)	13,4	80	65	-	-	163
KDN 65-125/130	7,5	130	3 x 400 V ~(1)	13,4	80	65	1D41111AV	1D41211AV	163
KDN 65-125/135	11	135	3 x 400 V ~(1)	19,7	80	65	-	-	185
KDN 65-125/140	11	140	3 x 400 V ~(1)	19,7	80	65	-	-	185
KDN 65-125/144	11	144	3 x 400 V ~(1)	19,7	80	65	1D41111BV	1D41211BV	185
KDN 65-160/137	7,5	137	3 x 400 V ~(1)	13,4	80	65	1D42111AV	1D42211AV	170
KDN 65-160/145	11	145	3 x 400 V ~(1)	19,7	80	65	-	-	230
KDN 65-160/153	11	153	3 x 400 V ~(1)	19,7	80	65	1D42111BV	1D42211BV	230
KDN 65-160/161	15	161	3 x 400 V ~(1)	26,5	80	65	-	-	270
KDN 65-160/169	15	169	3 x 400 V ~(1)	26,5	80	65	1D42111CV	1D42211CV	270
KDN 65-160/177	18,5	177	3 x 400 V ~(1)	33	80	65	1D42111DV	1D42211DV	300
KDN 65-200/170	15	170	3 x 400 V ~(1)	26,5	80	65	-	-	300
KDN 65-200/180	15	180	3 x 400 V ~(1)	26,5	80	65	1D43111CV	1D43211CV	300
KDN 65-200/190	18,5	190	3 x 400 V ~(1)	33	80	65	1D43111DV	1D43211DV	310
KDN 65-200/200	22	200	3 x 400 V ~(1)	38	80	65	1D43111EV	1D43211EV	322
KDN 65-200/210	30	210	3 x 400 V ~(1)	52	80	65	-	-	418
KDN 65-200/219	30	219	3 x 400 V ~(1)	52	80	65	1D43111FV	1D43211FV	418
KDN 65-250/220	30	220	3 x 400 V ~(1)	52	80	65	-	-	472
KDN 65-250/230	30	230	3 x 400 V ~(1)	52	80	65	1D44111FV	1D44211FV	472
KDN 65-250/240	37	240	3 x 400 V ~(1)	63	80	65	1D44111GV	1D44211GV	502
KDN 65-250/250	45	250	3 x 400 V ~(1)	76	80	65	1D44111HV	1D44211HV	589
KDN 65-250/263	55	263	3 x 400 V ~(1)	95	80	65	1D44111KV	1D44211KV	717
KDN 65-315/260	45	260	3 x 400 V ~(1)	76	80	65	1D45111HV	1D45211HV	734
KDN 65-315/275	55	275	3 x 400 V ~(1)	95	80	65	1D45111KV	1D45211KV	850
KDN 65-315/290	75	290	3 x 400 V ~(1)	124	80	65	-	-	920
KDN 65-315/305	75	305	3 x 400 V ~(1)	124	80	65	1D45111LV	1D45211LV	920
KDN 65-315/320	90	320	3 x 400 V ~(1)	148	80	65	NOT AVAILABLE	1D45211MV	1050
KDN 80-160/147/127	11	147 - 127	3 x 400 V ~(1)	19,7	100	80	1D52111BV	1D52211BV	275
KDN 80-160/153/136	15	153 – 136	3 x 400 V ~(1)	26,5	100	80	1D52111CV	1D52211CV	285
KDN 80-160/153	18,5	153	3 x 400 V ~(1)	33	100	80	-	-	320
KDN 80-160/161	18,5	161	3 x 400 V ~(1)	33	100	80	1D52111DV	1D52211DV	320
KDN 80-160/169	22	169	3 x 400 V ~(1)	38	100	80	1D52111EV	1D52211EV	345
KDN 80-160/177	30	177	3 x 400 V ~(1)	52	100	80	1D52111FV	1D52211FV	400
KDN 80-200/170	22	170	3 x 400 V ~(1)	38	100	80	1D53111EV	1D53211EV	368
KDN 80-200/180	30	180	3 x 400 V ~(1)	52	100	80	-	-	444
KDN 80-200/190	30	190	3 x 400 V ~(1)	52	100	80	1D53111FV	1D53211FV	444
KDN 80-200/200	37	200	3 x 400 V ~(1)	63	100	80	1D53111GV	1D53211GV	480
KDN 80-200/210	45	210	3 x 400 V ~(1)	76	100	80	1D53111HV	1D53211HV	587
KDN 80-200/222	55	222	3 x 400 V ~(1)	95	100	80	1D53111KV	1D53211KV	740
KDN 80-250/220	45	220	3 x 400 V ~(1)	76	100	80	1D54111HV	1D54211HV	612
KDN 80-250/230	55	230	3 x 400 V ~(1)	95	100	80	-	-	740
KDN 80-250/240	55	240	3 x 400 V ~(1)	95	100	80	1D54111KV	1D54211KV	740
KDN 80-250/250	75	250	3 x 400 V ~(1)	124	100	80	-	-	930
KDN 80-250/260	75	260	3 x 400 V ~(1)	124	100	80	1D54111LV	1D54211LV	930
KDN 80-250/270	90	270	3 x 400 V ~(1)	148	100	80	1D54111MV	1D54211MV	1030
KDN 80-315/275	75	275	3 x 400 V ~(1)	124	100	80	-	1D55211LV	980
KDN 80-315/290	90	290	3 x 400 V ~(1)	148	100	80	-	1D55211MV	1100
KDN 100-200/180	37	180	3 x 400 V ~(1)	63	125	100	1D63111GV	1D63211GV	510
KDN 100-200/190	45	190	3 x 400 V ~(1)	76	125	100	-	-	588
KDN 100-200/200	45	200	3 x 400 V ~(1)	76	125	100	1D63111HV	1D63211HV	588
KDN 100-200/210	55	210	3 x 400 V ~(1)	95	125	100	1D63111KV	1D63211KV	780
KDN 100-200/219	75	219	3 x 400 V ~(1)	124	125	100	1D63111LV	1D63211LV	950
KDN 100-250/220	55	220	3 x 400 V ~(1)	95	125	100	1D64111KV	1D64211KV	800
KDN 100-250/230	75	230	3 x 400 V ~(1)	124	125	100	-	-	980
KDN 100-250/240	75	240	3 x 400 V ~(1)	124	125	100	1D64111LV	1D64211LV	980
KDN 100-250/250	90	250	3 x 400 V ~(1)	148	125	100	-	-	1100
KDN 100-250/260	90	260	3 x 400 V ~(1)	148	125	100	1D64111MV	1D64211MV	1100

(*) For the weight with spacer coupling, add 5 kg.

(1) Star starting is possible.

**When placing an order, please specify both the product code and the diameter of the impeller

(-) Required at the moment of order

DAB WATER•TECHNOLOGY

STANDARDISED CENTRIFUGAL PUMPS - KDN

PERFORMANCE RANGE

4 POLES = 1450 1/min

MODEL	Q (m³/h)	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
	(l/min)	0	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 50-125/115		4.2	4.1	3.9	3.6	3.3	2.9	2.3										
KDN 50-125/120		4.6	4.4	4.3	4	3.7	3.3	2.8										
KDN 50-125/125		5	4.9	4.7	4.5	4.2	3.7	3.3										
KDN 50-125/130		5.6	5.4	5.2	5	4.7	4.2	3.8	3.2									
KDN 50-125/135		6	5.8	5.7	5.5	5.2	4.8	4.3	3.8									
KDN 50-125/139		6.3	6.2	6.1	5.9	5.6	5.2	4.8	4.2									
KDN 50-125/144		6.7	6.7	6.6	6.4	6.2	5.8	5.3	4.8	4.1								
KDN 50-160/137		6	6	5.9	5.6	5.2	4.8											
KDN 50-160/145		6.8	6.7	6.7	6.5	6.2	5.8											
KDN 50-160/153		7.6	7.6	7.5	7.4	7.2	6.7											
KDN 50-160/161		8.4	8.4	8.3	8.2	8.1	7.7											
KDN 50-160/169		9.4	9.3	9.2	9.2	9.1	8.8											
KDN 50-160/177		10.4	10.3	10.3	10.2	10.1	9.95											
KDN 50-200/170		9.5	9.3	9.2	8.8	8	6.85											
KDN 50-200/180		10.6	10.6	10.5	10.1	9.5	8.6	7.3										
KDN 50-200/190		11.8	11.7	11.6	11.4	10.8	10.1	8.9										
KDN 50-200/200		13.1	13	13	12.8	12.3	11.6	10.6	9.4									
KDN 50-200/210		14.6	14.6	14.5	14.4	13.9	13.2	12.2	11									
KDN 50-200/219		16	16	16	15.9	15.4	14.2	13.8	12.7	11.4								
KDN 50-250/220		15.9	15.7	15.6	15.4	14.9	13.8	12.4	10.5									
KDN 50-250/230		17.4	17.3	17.2	17	16.5	15.5	14.2	12.6	10.3								
KDN 50-250/240		19	19	19	18.8	18.2	17.4	16.2	14.7	12.4								
KDN 50-250/250		20.8	20.8	20.7	20.6	20.1	19.2	18.1	17	14.8								
KDN 50-250/263		23	23	22.9	22.8	22.5	21.7	20.6	19.4	17.5								
KDN 65-125/120/110		3.75			3.5	3.3	3.2	2.9	2.7	2.3	1.9							
KDN 65-125/120		4.25			3.9	3.8	3.6	3.3	3.1	2.7	2.3							
KDN 65-125/125	H (m)	4.7			4.4	4.25	4.1	3.8	3.6	3.25	2.8							
KDN 65-125/130		5.1			4.9	4.75	4.6	4.3	4.1	3.8	3.3	2.8						
KDN 65-125/135		5.6			5.4	5.3	5.2	4.9	4.7	4.3	3.9	3.5	3					
KDN 65-125/140		6			5.9	5.8	5.7	5.5	5.2	4.9	4.5	4.1	3.6					
KDN 65-125/144		6.4			6.35	6.25	6.2	5.9	5.7	5.4	5	4.65	4.2	3.7				
KDN 65-160/137		5.8			5.7	5.4	5.2	4.75	4.3	3.7								
KDN 65-160/145		6.5			6.5	6.3	6	5.7	5.3	4.75	4.1							
KDN 65-160/153		7.3			7.2	7.2	6.9	6.7	6.3	5.8	5.25							
KDN 65-160/161		8.2			8.1	8.1	7.9	7.7	7.3	6.85	6.3	5.8						
KDN 65-160/169		9.1			9.1	9	8.9	8.7	8.4	8	7.6	7.1	6.4					
KDN 65-160/177		10			10	9.9	9.8	9.7	9.45	9.1	8.7	8.2	7.5					
KDN 65-200/170		9.3		9.3	9.2	9.2	9	8.5	7.9	7.1	6.3							
KDN 65-200/180		10.4		10.4	10.4	10.3	10.2	10	9.5	8.8	8.1							
KDN 65-200/190		12.1		12	12	12	11.9	11.5	11.1	10.5	9.8	8.8						
KDN 65-200/200		13.3		13.3	13.3	13.2	13.1	13	12.8	12.3	11.6	10.8						
KDN 65-200/210		14.8		14.7	14.7	14.7	14.6	14.6	14.3	13.8	13.4	12.7	12					
KDN 65-200/219		16.2		16.2	16.2	16.1	16	15.9	15.8	15.4	15	14.4	13.5	12.7				
KDN 65-250/220		15.8			15.8	15.5	15.1	14.5	14	13.2	12	10.7						
KDN 65-250/230		17.4			17.4	17.2	16.8	16.3	15.7	15	14.1	12.7	11.4					
KDN 65-250/240		19			19	18.9	18.5	18.1	17.5	16.8	16	14.7	13.6					
KDN 65-250/250		20.7			20.7	20.6	20.4	20	19.5	18.8	18	17	15.9	14.5				
KDN 65-250/263		23.2			23	23	22.9	22.5	22.2	21.6	20.8	19.8	18.6	17.4	16			
KDN 65-315/260		22.3			22.2	22.1	22	21.5	21	20.5	20	19.2	18.4	17	16	15		
KDN 65-315/275		25.1			25.1	25	24.8	24.6	24.1	23.5	23	22.5	21.5	20.5	19.4	18.1		
KDN 65-315/290		28.2			28.2	28.1	28	27.8	27.3	27	26.5	25.5	25	24	23.1	22	19.5	
KDN 65-315/305		31.7			31.5	31.4	31.4	31.3	31.2	30.8	30.4	29.6	29	28	27.2	26.1	23.5	
KDN 65-315/320		35.7			35.4	35.3	35.2	35.1	35	34.8	34.5	33.8	33.5	32.5	31.5	30.8	28	24.8

STANDARDISED CENTRIFUGAL PUMPS - KDN

PERFORMANCE RANGE

4 POLES = 1450 1/min

MODEL	Q (m³/h)	0	42	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
	(l/min)	0	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDN 80-160/147/127		5.7	5.4	5.25	5.05	4.8	4.6	4.35	4.15	3.85	3.6	3.1	2.5	2.2										
KDN 80-160/153/136		6.4	6.2	6.05	5.85	5.7	5.4	5.15	4.8	4.65	4.4	3.85	3.3	3										
KDN 80-160/153		7.3	7.1	6.9	6.7	6.5	6.3	6	5.75	5.4	5.2	4.55	3.9	3.6										
KDN 80-160/161		8.2	8	7.9	7.75	7.5	7.3	7.05	6.8	6.5	6.25	5.6	4.9	4.6										
KDN 80-160/169		9.1	9	8.85	8.7	8.6	8.35	8.1	7.85	7.6	7.3	6.75	6	5.7										
KDN 80-160/177		10	9.9	9.85	9.8	9.7	9.5	9.3	9.1	8.85	8.7	8.1	7.25	6.9										
KDN 80-200/170		9.2	9.1	9	8.7	8.5	8.2	7.8	7.5	7.1	6.7	5.6												
KDN 80-200/180		10.3	10.2	10.2	10	9.9	9.6	9.2	9	8.6	8.2	7.2												
KDN 80-200/190		11.4	11.4	11.3	11.2	11.1	11	10.7	10.5	10.1	9.8	8.7	6.8											
KDN 80-200/200		12.7	12.6	12.6	12.6	12.5	12.4	12.3	12	11.6	11.4	10.5	9.4	8.8										
KDN 80-200/210		14.1	14	14	14	13.9	13.8	13.7	13.6	13.3	13.1	12.1	11.2	10.6										
KDN 80-200/222		15.9	15.9	15.8	15.7	15.6	15.6	15.5	15.4	15.3	15	14.3	13.4	12.8										
KDN 80-250/220		16	15.9	15.8	15.7	15.6	15.5	15.2	14.9	14.5	13.9	12.8												
KDN 80-250/230		17.3	17.3	17.2	17.1	17	16.9	16.8	16.5	16	15.5	14.3	12.4											
KDN 80-250/240		19	19	19	18.9	18.8	18.7	18.6	18.4	18	17.6	16.6	15.3	14.6										
KDN 80-250/250		20.8	20.7	20.7	20.7	20.6	20.5	20.4	20.3	19.9	19.6	18.6	17.4	16.8										
KDN 80-250/260		22.6	22.5	22.5	22.4	22.3	22.2	22.1	22	21.8	21.4	20.6	19.6	19	15.1									
KDN 80-250/270		24.5	24.4	24.4	24.4	24.3	24.2	24.1	24	23.7	23.3	22.4	21.4	20.7	16.3									
KDN 80-315/275		24.8		24.8	24.8	24.7	24.6	24.5	24.4	24.3	24	23	21.4	20.5										
KDN 80-315/290		27.8		27.8	27.8	27.7	27.7	27.6	27.6	27.5	27.4	26.5	25	24.6	19.1									
KDN 80-315/305		31.4		31.4	31.3	31.2	31.2	31.2	31.2	31.2	30.9	30	29	28.5	24									
KDN 80-315/320		34.8		34.7	34.6	34.6	34.5	34.4	34.3	34	33.9	33.8	33.2	32.8	28.8									
KDN 80-315/334		38.3		38.2	38.2	38.2	38.2	38.2	38.1	38	37.9	37.6	37	36.9	33.1	28								
KDN 100-200/180		10.1				10.1	10.1	10.	9.9	9.7	9.5	9.1	8.5	8.3	7	5.4								
KDN 100-200/190	H	11.6				11.5	11.4	11.3	11.2	11.1	11	10.5	10.1	10	8.6	7								
KDN 100-200/200	(m)	12.9				12.8	12.8	12.8	12.7	12.6	12.5	12.2	11.8	11.6	10.4	8.8								
KDN 100-200/210		14.3				14.2	14.2	14.2	14.2	14.1	14	13.8	13.5	13.3	12.3	10.7	9							
KDN 100-200/219		16				15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.1	15	14	12.5	10.8							
KDN 100-250/220		15.2				14.9	14.9	14.9	14.8	14.7	14.6	14.3	13.7	13.4	11.4									
KDN 100-250/230		16.9				16.7	16.7	16.6	16.5	16.4	16.3	16.1	15.7	15.3	13.6	11.1								
KDN 100-250/240		18.5				18.3	18.3	18.3	18.2	18.1	18	17.9	17.6	17.4	15.7	13.3								
KDN 100-250/250		20.1				20	20	19.9	19.8	19.7	19.6	19.5	19.4	19.2	17.6	15.4								
KDN 100-250/260		22.3				22.1	22.1	22.1	22	21.9	21.8	21.7	21.5	21.4	19.8	17.7	15.1							
KDN 100-250/270		24.3				24.3	24.3	24.3	24.3	24.3	24.2	24.1	23.7	23.5	22.1	20.1	17.3							
KDN 100-315/275		25.1				25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19								
KDN 100-315/290		28				27.9	27.9	27.9	27.9	27.8	27.7	27.6	27.5	27	25.5	23								
KDN 100-315/305		31.3				31.1	31.1	31.1	31	30.9	30.8	30.7	30.6	30.5	29	27	24							
KDN 100-315/320		34.5				34.4	34.4	34.4	34.4	34.4	34.3	34.2	34.1	34	33	31	28.1							
KDN 100-315/334		38.2				38.2	38.1	38.1	38.1	38	38	37.7	37.5	37.3	36.5	34.8	32	28.8						
KDN 125-250/220		15										14.9	14.9	14.8	14.5	14	13	11.8	10.5	9.2				
KDN 125-250/230		16.6										16.6	16.6	16.5	16.3	15.6	14.8	13.8	12.5	12.3	9.5			
KDN 125-250/240		18.2										18.1	18.1	18.1	18	17.7	16.8	15.8	14.5	13.3	11.6	10.1		
KDN 125-250/250		19.9										19.8	19.8	19.7	19.6	19.4	18.7	17.8	16.6	15.5	14	12.3		
KDN 125-250/260		21.7										21.7	21.6	21.5	21.4	21.3	20.6	19.9	18	17.7	16.3	14.6	13	
KDN 125-250/269		23.9										23.9	23.9	23.8	23.6	23.2	22.7	22.1	22.2	20.2	19	17.5	15.6	14
KDN 150-200/210/170		8.9										8.9	8.9	8.8	8.7	8.6	8.3	7.9	7.4	6.8	6.2	5.4	4.5	
KDN 150-200/218/182		10.4										10.4	10.4	10.3	10.2	9.9	9.5	9.1	8.6	8.1	7.4	6.6	5.8	
KDN 150-200/218/200		11.4										11.4	11.4	11.4	11.2	10.9	10.6	10.1	9.7	9.2	8.5	7.8	6.9	5.9
KDN 150-200/218		12.9										12.7	12.7	12.6	12.4	12.1	11.7	11.2	10.7	10.2	9.6	8.8	8	7.1
KDN 150-200/224		13.8										13.6	13.6	13.5	13.3	13	12.6	12.2	11.7	11.2	10.6	9.9	9.2	8.2

STANDARDISED CENTRIFUGAL PUMPS - KDN

PERFORMANCE RANGE

2 POLES = 2900 1/min

MODEL	Q (m^3/h)	0	6	12	18	24	30	36	42	48	54
	(l/min)	0	100	200	300	400	500	600	700	800	900
KDN 32-125.1/105		13.8	13.6	12.3	9.7						
KDN 32-125.1/110		15.5	15.2	13.9	11.5						
KDN 32-125.1/115		17.1	16.8	15.5	13.2						
KDN 32-125.1/120		18.8	18.5	17.3	15.1						
KDN 32-125.1/125		20.5	20.3	19.1	17						
KDN 32-125.1/130		22.3	22.2	21.3	19						
KDN 32-125.1/135		24.4	24.1	23.3	21.1	17.8					
KDN 32-125.1/140		26.5	26.4	25.6	23.4	20.1					
KDN 32-125/115		17.3		16.5	15.1	12.9					
KDN 32-125/120		19		18.2	17	14.9	11.1				
KDN 32-125/125		20.9		20.1	18.9	16.9	13.5				
KDN 32-125/130		22.9		22	21	19.1	16.2				
KDN 32-125/135		24.9		24	22.1	21.5	18.5	14.7			
KDN 32-125/142		27.8		27	26.1	24.5	21.7	18			
KDN 32-160.1/137		21.5	21.2	19.3							
KDN 32-160.1/145		24.7	24.5	22.3	16.5						
KDN 32-160.1/153		28.3	28	26	20.5						
KDN 32-160.1/161		32	31.8	30	25						
KDN 32-160.1/169	H (m)	36	35.7	34.4	29.5						
KDN 32-160.1/177		39.5	39.3	38.2	34.5	26					
KDN 32-160/137		23.7		22.6	20.7	17.6					
KDN 32-160/145		27		25.8	23.9	21.2	16.9				
KDN 32-160/153		30.4		29.5	27.7	25.8	21.2				
KDN 32-160/161		34		33	31.7	29.1	25.5				
KDN 32-160/169		38		37.3	36	33.6	35.7	26.5			
KDN 32-160/177		41.8		41.5	40.5	38.4	35.3	31.4			
KDN 32-200.1/170		34.3	34.2	31.9	23.5						
KDN 32-200.1/180		39.4	39.2	36.7	30						
KDN 32-200.1/190		45.3	44.7	41.5	35.5						
KDN 32-200.1/200		51.5	51	47.3	41	35					
KDN 32-200.1/207		55.3	55	51.8	46.4	37					
KDN 32-200/170		34		33	31	27	21				
KDN 32-200/180		39		38.5	36.5	32.5	28				
KDN 32-200/190		45		43.5	42	39	34	28.5			
KDN 32-200/200		51		49	48	45	40.5	35			
KDN 32-200/210		57		56	55	52.5	48.5	43	36		
KDN 32-200/219		63		62	61	59	56.5	52.5	46.5	39.5	

STANDARDISED CENTRIFUGAL PUMPS - KDN

PERFORMANCE RANGE

2 POLES = 2900 1/min

MODEL	Q (m³/h) (l/min)	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114
		0	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900
KDN 40-125/115		16.8		13.3	15.6	15	14.3	13.2	12.6	9.8									
KDN 40-125/120		18.5		18	17.5	17	16	15	13.5	11.8									
KDN 40-125/125		20.4		20	19.5	19	18	16.7	15.3	13.5									
KDN 40-125/130		22		21.8	21.5	21	20	19	17.5	15.7	14								
KDN 40-125/135		24.1		24	23.9	23.4	22.5	21.5	20	18.3	16.4								
KDN 40-125/142		26.8		26.6	26.4	26	25.3	24.4	23	21.4	19.4	17							
KDN 40-160/137		23.9			23.8	23	22	20.5	18	15									
KDN 40-160/145		27.5			27.4	27	25.7	24.2	22.1	19.5									
KDN 40-160/153		31.1			31	30.5	29.5	28	26.5	24	21								
KDN 40-160/161		34.5			34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5							
KDN 40-160/169		38.4			38.4	38.2	38	37	35	33.5	31	28							
KDN 40-160/177		42.6			42.5	42.4	42	41.5	40	38.5	35	33	30						
KDN 40-200/170		33.6			33	32.6	32	30	26.5	22.5									
KDN 40-200/180		38.8			38.5	38	37	35	32.5	29	25								
KDN 40-200/190		43.4			43.1	43	42.7	41	38	35	31.5	27							
KDN 40-200/200		48.7			48.4	48.2	47.5	46.5	44	41.5	38.5	34.5							
KDN 40-200/210		54.3			54.1	54	53.6	53	51	48.5	46	42.5	38						
KDN 40-200/219		60			59.8	59.7	59.4	59	57	55	52.5	49.5	46	40					
KDN 40-250/220		63.1			62.8	62.5	61	59	57	55	52	48							
KDN 40-250/230		69.5			69.3	68.5	67.8	66	63.5	61	58	55	51						
KDN 40-250/240		76.3			76	75.8	75	73	70.5	68	65	62	58.5						
KDN 40-250/250		82.8			82.5	82	81.8	80	78	75.5	72.5	69	66						
KDN 40-250/260		91			90.5	90	89.5	88.5	86.5	84	81	78	74						
KDN 50-125/115	H (m)	17.1					15.9	15.5	15	14.3	13.6	13	12.2	11.5	10.4	9			
KDN 50-125/120		18.2					17.5	17	16.5	16	15.3	14.7	14	13.2	12	11.2	10		
KDN 50-125/125		19.8					19.4	19	18.5	17.9	17.4	16.6	16	15.1	14	13	11.8		
KDN 50-125/130		21.5					21.1	20.8	20.5	19.8	19.2	18.5	17.8	17	16.5	15.2	14		
KDN 50-125/135		23.2					23	22.6	22.3	21.8	21.2	20.6	19.9	19.3	18.4	17.5	16.3	13.7	
KDN 50-125/139		24.7					24.5	24.3	24	23.5	23	22.4	21.6	20.8	20	19.2	18	15.5	
KDN 50-125/144		25.9					26.5	26.4	26.1	25.6	25.1	24.5	24	23.2	22.3	21.5	20.5	17.8	15
KDN 50-160/137		24.2					23.8	23.7	23.5	22.5	22	21	20.3	19	18	16.8	15		
KDN 50-160/145		27.2					27	26.9	26.6	26.4	25.5	25	23.8	23	21.5	20.5	19		
KDN 50-160/153		30.3					30.3	30.2	30	29.9	29.5	28.5	27.7	26.5	25.5	24.5	23		
KDN 50-160/161		33.8					33.7	33.7	33.6	33.6	33.3	32.5	31.8	31	29.8	28.5	27.5		
KDN 50-160/169		37.7					37.7	37.5	37.5	37.4	37	36.2	35.7	35.5	34.2	33	31.5	29	
KDN 50-160/177		41.6					41.5	41.5	41.3	41.2	41	40.6	40.5	39.5	38.8	38	36.7	33.5	
KDN 50-200/170		37.9					37	36.8	36.4	35	34	32	30	27	25				
KDN 50-200/180		42.5					42	41.7	41.4	40.5	39.5	38	36	34	32	29			
KDN 50-200/190		47.2					46.8	46.6	46	45.7	44.5	43.5	42	40	38	35.5	33		
KDN 50-200/200		52.4					52.2	52	18	51.5	50.5	49	47.5	46	44.5	42	40		
KDN 50-200/210		58.4					58.4	58.2	58	57.5	56.5	55.5	54	52.5	51	49	46.5	41.5	
KDN 50-200/219		64					64	64	64	63.5	62.5	61.5	60	58.5	57	55	53	48.5	
KDN 50-250/220		63.7					63.3	63.1	63	62	61	59	57.5	55	53	50	46.5	36	
KDN 50-250/230		69.6					69.3	69	68.8	68.5	68	66	64	62	60	57	54	45	
KDN 50-250/240		76					75.8	75.5	75.3	75	74.5	73	71.5	69	67	65	62	55	
KDN 50-250/250		83.2					83	82.9	82.8	83.5	82	80.5	78.5	77	75	72.5	70	64	
KDN 50-250/263		92.1					92	91.8	91.6	91.5	91.3	89.9	88.5	86.5	84.5	82.5	80	75	61

STANDARDISED CENTRIFUGAL PUMPS - KDN

PERFORMANCE RANGE

2 POLES = 2900 1/min

MODEL	Q (m³/h) (l/min)	0	48	54	60	66	72	78	84	90	102	114	120	150	180	210	240	270	300	330	360	390	420
		0	800	900	1000	1100	1200	1300	1400	1500	1700	1900	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
KDN 65-125/120/110		16	14.4	14	13.6	13.1	12.8	12.2	11.9	11.4	10.2	8.7	8										
KDN 65-125/120		17.8	16	15.8	15.3	17.9	14.4	13.9	13.4	13	11.5	10.3	9.4										
KDN 65-125/125		19.4	17.8	17.5	17.1	16.8	16.4	16	15.4	15	13.5	12.2	11.4										
KDN 65-125/130		21	19.6	19.5	19.1	18.9	18.5	18	17.5	17	15.7	14.2	13.2										
KDN 65-125/135		22.6	21.8	21.5	21.3	21	20.5	20.1	19.6	19.2	18	16.5	15.6										
KDN 65-125/140		24	23.6	23.6	23.4	23	22.8	22.3	22	21.4	20.3	18.9	18	13.8									
KDN 65-125/144		25.6	25.5	25.4	25.2	25	24.6	24.3	24	23.4	22.5	21.1	20.2	16									
KDN 65-160/137		23.1	22.4	22	21.7	21.3	20.5	19.7	19	18	16												
KDN 65-160/145		26.2	25.7	25.5	25	24.6	24	23.5	22.7	22	20	17.8	16.5										
KDN 65-160/153		29.1	28.8	28.5	28.6	28.5	28	27.5	26.6	26	24	22	21										
KDN 65-160/161		32.6	32.5	32.4	32.3	32	31.7	31.3	30.5	30	28.5	26.5	25.5										
KDN 65-160/169		36.4	36.3	36.2	36.1	36	35.7	35.3	34.7	34	32.7	31	30										
KDN 65-160/177		40.1	39.9	39.8	39.7	40	39.8	39.5	39	38.5	37.2	35.5	34.7	28.5									
KDN 65-200/170		37.2	36.8	36.7	36.6	36.5	36	35	34	32.5	30	27	25										
KDN 65-200/180		41.7	41.4	41.3	41.2	41.1	41	40.5	40	39	36.5	34	32										
KDN 65-200/190		48.3	48.2	48.1	48	47.9	47.5	47	41	45	43	40.5	39										
KDN 65-200/200		53.2	53.1	52.9	52.8	52.7	52.5	52.3	52	51.8	50	48	46.5										
KDN 65-200/210		59.2	59.1	59	58.9	58.8	58.7	58.5	58.2	58	56.5	54.5	53.5										
KDN 65-200/219		64.9	64.9	64.8	64.5	64.3	64.1	64	63.8	62.5	62.4	61	60	52.5									
KDN 65-250/220		63.2	62.8	62.5	62	61	60	59.5	58	57	54	50.5	48										
KDN 65-250/230		69.5	69.5	69	68.5	68	67	66	65	64	63	58.5	56.5										
KDN 65-250/240		76	75.7	75.5	75	75	74	73	72	71	69	66	64										
KDN 65-250/250		83	82.3	82.3	82.2	82	81.5	81	80	79	76.5	73.5	72	60									
KDN 65-250/263		92.6	91.8	91.8	91.7	91.5	91.5	91	90	89.5	87.5	85	83	72.5									
KDN 65-315/260		92.8				92.7	91.9	90.9	89.7	88.5	85.5	81.9	79.9	67.8									
KDN 65-315/275		105				104.5	103.9	103.1	102.1	101.1	98.5	95.5	93.8	83.3	69.5								
KDN 65-315/290		117.1				117.0	116.5	115.9	115.1	114.3	112.2	109.7	108.3	99.4	87.6								
KDN 65-315/305		130				129.5	129.2	128.7	128.0	127.3	125.5	123.2	121.9	113.8	103.0	89.6							
KDN 65-315/320		143				142.9	142.6	142.1	171.6	140.9	139.3	137.3	136.2	128.9	119.1	106.8	92.0						
KDN 80-160/147/127	H (m)	23								21.5	20.7	20	19.5	17	14.5	11.8	8.8						
KDN 80-160/153/136		25.6								24.5	23.8	23	22.5	20.2	17.5	15	11.8						
KDN 80-160/153		29.3								28	27.3	26.5	26	23.5	20.7	16.5	14.5						
KDN 80-160/161		32.8								32	31.5	30.5	30	27.8	25	21.5	18.5						
KDN 80-160/169		36.5								35.7	35.2	34.5	34.2	32	29.5	26.5	22.6	18.5					
KDN 80-160/177		40								39.5	39.2	38.7	38.5	37	34.8	31.8	27.8	23					
KDN 80-200/170		36.6								35.7	35.5	34.5	34	31	27	21.5							
KDN 80-200/180		41								40.6	40.5	40	39.5	37	33	27.5							
KDN 80-200/190		45.7								45.4	45	44.5	44	42	29	34							
KDN 80-200/200		50.8								50.4	50.2	50	49.6	49	46.5	41	35						
KDN 80-200/210		56.3								55.9	55.8	55.7	55.6	54.8	52	48	43						
KDN 80-200/222		63.6								63.4	63.3	63.2	63.1	63	60	56.5	51.5	45					
KDN 80-250/220		62.6								62.5	62.4	62	61.8	60	55.5	49							
KDN 80-250/230		68.3								68.2	68.1	67.9	67.9	67	63	57	50						
KDN 80-250/240		75.5								75.4	75.3	75.2	75	74.5	71	66.5	58.5						
KDN 80-250/250		82.5								82.3	82	81.9	81.7	82	78.5	74	67.5	60.5					
KDN 80-250/260		90								89.7	89.6	86.5	89.3	89	86.5	82	77	70	61.5				
KDN 80-250/270		97.9								97.8	97.5	91.3	97	96.3	94	89	84	77	69				
KDN 80-315/275		106								106.1	105.3	104.3	103.7	99.4	93.4	85.6	76.0						
KDN 80-315/290		118								118.4	117.8	117.1	116.6	113.2	108.2	101.5	93.2	83.4					
KDN 100-200/180		40.4												40	38	36	33	30.5	28	25			
KDN 100-200/190		46.5												45	44	42	39	37	34.5	31	28		
KDN 100-200/200		51.5												51	50	48.5	46	44	42	39	35	31.5	
KDN 100-200/210		57.5												57	56	55	53	51	49	46	43	39	36
KDN 100-200/219		64												62.5	62	61	60	58	56	53	50	47	43
KDN 100-250/220		61.1												60	59.5	57	54	50.5	46.5	42			
KDN 100-250/230		67.4												66.9	66.5	64	61	58	54	49	44		
KDN 100-250/240		73.5												72.9	71	70.5	69	66	63	58.5	53		
KDN 100-250/250		79.7												79.5	79	78.8	77	74	71	67	62.5		
KDN 100-250/260		88.6												88.2	88.1	88	86	83	79.5	76	71.5	66	

TECHNICAL DATA - HYDRAULIC PART

CAST IRON IMPELLER

MODEL	CODE	DNA	DNM	WEIGHT KG
KDN 32-125.1	1D1K11000	50	32	37
KDN 32-125	1D1111000	50	32	36
KDN 32-160.1	1D1L11000	50	32	38
KDN 32-160	1D1211000	50	32	38
KDN 32-200.1	1D1M11000	50	32	46
KDN 32-200	1D1311000	50	32	46
KDN 40-125	1D2111000	65	40	39
KDN 40-160	1D2211000	65	40	41
KDN 40-200	1D2311000	65	40	49
KDN 40-250	1D2411000	65	40	57
KDN 50-125	1D3111000	65	50	42
KDN 50-160	1D3211000	65	50	44
KDN 50-200	1D3311000	65	50	51
KDN 50-250	1D3411000	65	50	59
KDN 65-125	1D4111000	80	65	46
KDN 65-160	1D4211000	80	65	47
KDN 65-200	1D4311000	80	65	66
KDN 65-250	1D4411000	80	65	93
KDN 65-315	1D4511000	80	65	112
KDN 80-160	1D5211000	100	80	55
KDN 80-200	1D5311000	100	80	84
KDN 80-250	1D5411000	100	80	104
KDN 80-315	1D5511000	100	80	122
KDN 100-200	1D6311000	125	100	96
KDN 100-250	1D6411000	125	100	111
KDN 100-315	1D6511000	125	100	126
KDN 125-250	1D7411000	150	125	135
KDN 150-200	1D8311000	200	150	178

The price does not include the counterflanges.

BRONZE IMPELLER

MODEL	CODE	DNA	DNM	WEIGHT KG
KDN 32-125.1	1D1K21000	50	32	37
KDN 32-125	1D1121000	50	32	37
KDN 32-160.1	1D1L21000	50	32	38
KDN 32-160	1D1221000	50	32	38
KDN 32-200.1	1D1M21000	50	32	38
KDN 32-200	1D1321000	50	32	48
KDN 40-125	1D2121000	65	40	40
KDN 40-160	1D2221000	65	40	41
KDN 40-200	1D2321000	65	40	52
KDN 40-250	1D2421000	65	40	58
KDN 50-125	1D3121000	65	50	42
KDN 50-160	1D3221000	65	50	44
KDN 50-200	1D3321000	65	50	52
KDN 50-250	1D3421000	65	50	60
KDN 65-125	1D4121000	80	65	47
KDN 65-160	1D4221000	80	65	49
KDN 65-200	1D4321000	80	65	58
KDN 65-250	1D4421000	80	65	99
KDN 65-315	1D4521000	80	65	114
KDN 80-160	1D5221000	100	80	57
KDN 80-200	1D5321000	100	80	82
KDN 80-250	1D5421000	100	80	107
KDN 80-315	1D5521000	100	80	124
KDN 100-200	1D6321000	125	100	98
KDN 100-250	1D6421000	125	100	115
KDN 100-315	1D6521000	125	100	133
KDN 125-250	1D7421000	150	125	133
KDN 150-200	1D8321000	200	150	178

The price does not include the counterflanges.

SPECIAL VERSION

MODEL
KDN 32-125.1
KDN 32-125
KDN 32-160.1
KDN 32-160
KDN 32-200.1
KDN 32-200
KDN 40-125
KDN 40-160
KDN 40-200
KDN 40-250
KDN 50-125
KDN 50-160
KDN 50-200
KDN 50-250
KDN 65-125
KDN 65-160
KDN 65-200
KDN 65-250
KDN 65-315
KDN 80-160
KDN 80-200
KDN 80-250
KDN 80-315
KDN 100-200
KDN 100-250
KDN 100-315
KDN 125-250
KDN 150-200

VERSIONS WITH SPECIAL MECHANICAL SEALS

(1) Ref. Technical catalogue
Mechanical seal with rubber bellows:
Silicon carbide / Silicon carbide / EPDM
(2) Ref. Technical catalogue
Mechanical seal with rubber bellows:
Silicon carbide / Silicon carbide / Viton
(3) Ref. Technical catalogue
Mechanical seal with rubber bellows:
Carbon / Silicon carbide / Viton

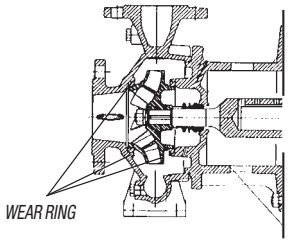
SPECIAL VERSION

MODEL
KDN 32-125.1
KDN 32-125
KDN 32-160.1
KDN 32-160
KDN 32-200.1
KDN 32-200
KDN 40-125
KDN 40-160
KDN 40-200
KDN 40-250
KDN 50-125
KDN 50-160
KDN 50-200
KDN 50-250
KDN 65-125
KDN 65-160
KDN 65-200
KDN 65-250
KDN 65-315
KDN 80-160
KDN 80-200
KDN 80-250
KDN 80-315
KDN 100-200
KDN 100-250
KDN 100-315
KDN 125-250
KDN 150-200

CATAPHORESY COATING FOR COMPONENTS IN CONTACT WITH LIQUID

FOR BRONZE IMPELLER VERSIONS

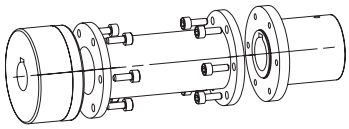
SPECIAL VERSION



WITH WEAR RING

MODEL
KDN 150-200**

**The wear ring is available only on KDN 150-200.



WITH SPACER COUPLING

MODEL
KDN 32-125.1
KDN 32-125
KDN 32-160.1
KDN 32-160
KDN 32-200.1
KDN 32-200
KDN 40-125
KDN 40-160
KDN 40-200
KDN 40-250
KDN 50-125
KDN 50-160
KDN 50-200
KDN 50-250

MODEL
KDN 65/125
KDN 65-160
KDN 65-200
KDN 65-250
KDN 65-315
KDN 80-160
KDN 80-200
KDN 80-250
KDN 80-315
KDN 100-200
KDN 100-250
KDN 100-315
KDN 125-250
KDN 150-200

KDN OVERSIZE

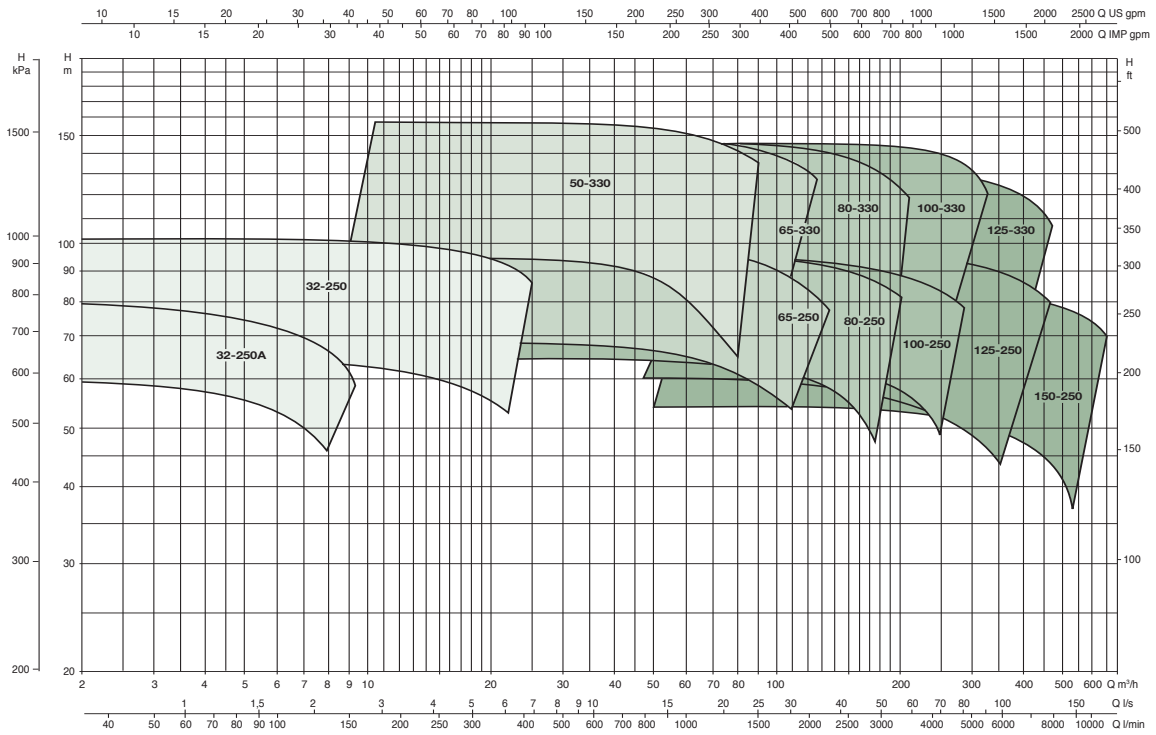
STANDARDISED CENTRIFUGAL PUMPS

Single-stage centrifugal pump body with axial suction port, radial discharge port and horizontal shaft components.
The KDN pumps have dimensions and nominal performances according to EN 733 (10 bar) but are designed for 16 bar operation wherever the shaft seal type allows it.
The suction and discharge flanges are according to EN 7005 PN 10 or 16. All pumps are dynamically balanced according to ISO 1940 class 6.3 and impellers are hydraulically balanced. Pump and motor are mounted on a common baseplate in accordance with EN 23 661 in all-welded steel. Oversized have profile base frames. Due to the pump design the complete bearing assembly including impeller and shaft seal can be dismantled without removing the pump body from the pipe system (back-pull-out design).
Asynchronous, closed and cooled with external ventilation, 2, 4 or 6 poles motors.
Electrical protection: in compliance with the EEC 89/336 ELECTROMAGNETIC COMPATIBILITY directive and subsequent amendments, EEC 73/23 LOW VOLTAGE directive and subsequent amendments and CEI 2-3 standards.

Flow Max. 2200 m³/h.
Head Max. 158 m.
Liquid temperature from -25°C to +140°C.
Operating pressure Max. 16 bar.
Motor construction B3.
Protection level IP 55.
Insulation class F.
Supply voltage Three-phase 230-400V 50 Hz up to 2.2 kW included 400V Δ 50 Hz over 2.2 kW.
Special versions on request
Other voltages and/or frequencies.
IE3 motor efficiency class available on request. Please contact our sales network for a price quotation.

Complete electric pump or liquid end only is available - Please contact our sales network for a price quotation

KDN OVERSIZE - 2 POLES - STANDARDISED CENTRIFUGAL PUMPS ON SKID

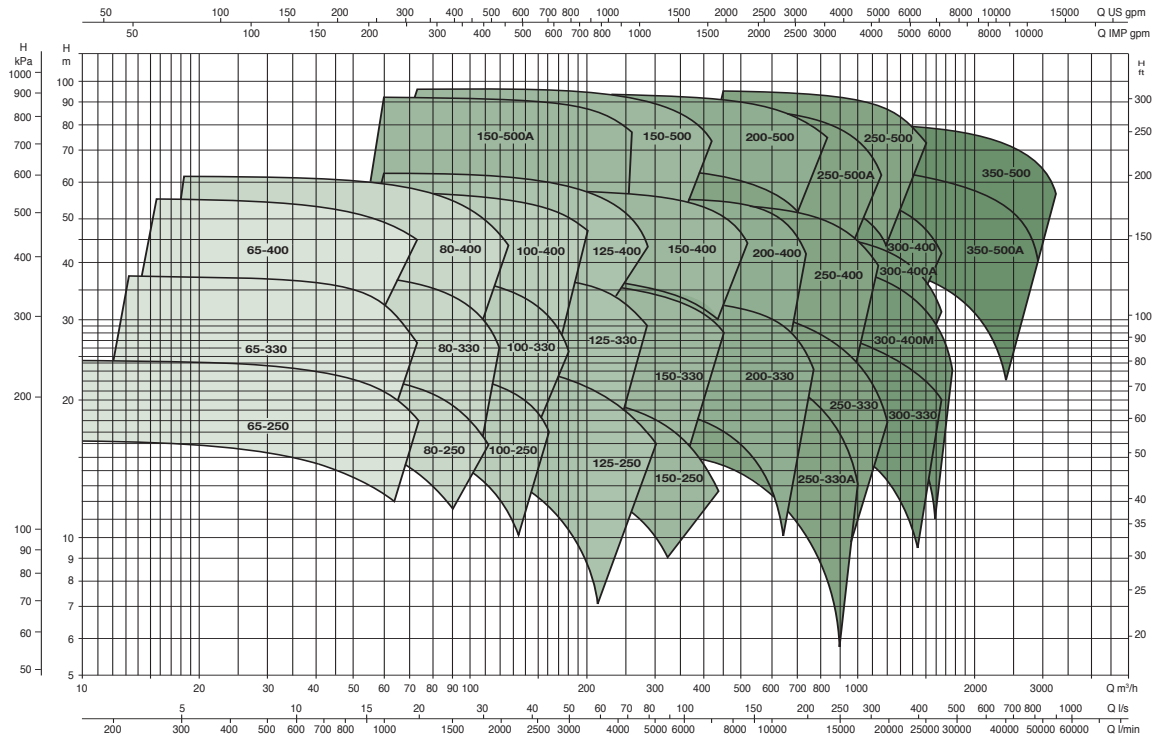


= 2900 1/min

KDN OVERSIZE

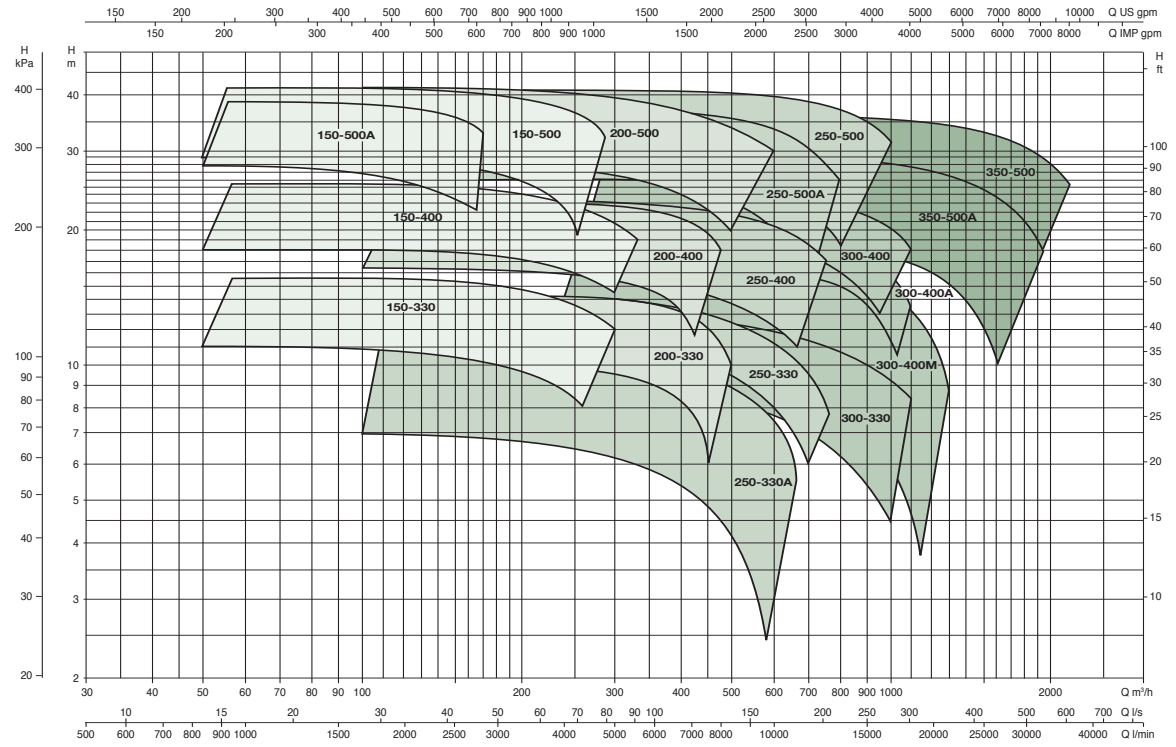
STANDARDISED CENTRIFUGAL PUMPS

KDN OVERSIZE - 4 POLES - STANDARDISED CENTRIFUGAL PUMPS ON SKID



= 1450 1/min

KDN OVERSIZE - 6 POLES - STANDARDISED CENTRIFUGAL PUMPS ON SKID



= 970 1/min

KVC, KVCX

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

KVC

KVCX

Vertical multistage centrifugal pump suitable for use in small and medium water supply installations.
Suitable for pressurization units, surge tank supply, rain irrigation and crop-dusting systems, fire-fighting and washing systems, conveyance of condensate and cooling water.
Innovative and robust design.
Technopolymer discharge/suction bodies and in-line suction and discharge ports with threaded metal insert.
Impellers, diffuser bodies and diffusers in technopolymer, fully rust-proof.
Stainless steel AISI 303 pump jacket, adjustment rings and seal disk.
Silicon carbide/Carbon graphite mechanical seal, fitted on the AISI 303 stainless-steel drive shaft extension.
Asynchronous, closed motor cooled by external ventilation.
Rotor mounted on oversized greased sealed-for-life ball bearings to ensure silent running and long life.
Built-in thermal and current overload protection and a capacitor permanently on in the singlephase version.
Protection for the three-phase version is the responsibility of the user.
Built in CEI 2-3/CEI 61/69 (EN 60335-2-41) standards.

Level of protection IP 55.

Insulation class F.

Standard voltage
Single-phase 220-240 V / 50 Hz.
Three-phase 230-400 V / 50 Hz.

Operating range
From 50 to 200 litre/min. with head up to 113 m.

Pumped liquid clean, free from solids or abrasive substances, not viscous, not aggressive, not crystallised and chemically neutral and close to the characteristics of water.

Liquid temperature range
From 0°C to +35°C for domestic use (EN 60335-2-41 safety standards).
From 0°C to +40°C for other uses.

Maximum ambient temperature +40°C.

Maximum working pressure 12 bar (1200 kPa).

Installation fixed, in vertical or horizontal position. Providing that the motor is positioned above the pump.

Special versions on request
Other voltages and/or frequencies.

THREE-PHASE MOTORS			
P2	< 0,75 kW		IE2
	≥ 0,75 kW < 75 kW		IE3
	≥ 75 kW		IE4*

SINGLE-PHASE MOTORS			
P2	≥ 120 W		IE2

* Available soon

ONLY FOR EXTRA EU MARKETS

WRAS APPROVED PRODUCT

ACCESSORIES PAGE 245

KVC

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	H mm	WEIGHT Kg
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3	3,3	3,9	4,8				
							Q=l/min	0	10	20	30	40	50	55	65	80				
KVC 45-30 T	60204216	3 x 230 / 400V ~	0,93	0,67	0,9	2,9-1,6		47,1	45,9	43,5	39,8	34,7	28,0	24,0	14,7		1" ¼	1" ¼	560	14,9
KVC 50-30 T	60183599	3 x 230 / 400V ~	1,08	0,75	1,0	3,7-2,2		61,5	59,9	56,8	52,2	46,0	38,0	33,5	22,7		1" ¼	1" ¼	652	17,5
KVC 60-30 T	60183600	3 x 230 / 400V ~	1,22	0,8	1,1	3,9-2,3		69,6	67,6	64,0	58,5	51,1	41,8	36,2	23,8		1" ¼	1" ¼	652	17,3
KVC 65-30 T	60183601	3 x 230 / 400V ~	1,38	1	1,36	4,4-2,6		78,4	76,8	73,5	68,4	61,2	51,9	46,0	33,3		1" ¼	1" ¼	679	18,5
KVC 30-50 M	60212496	1 x 230 V	0,93	0,75	1	4,1		41,1	40,3	39,0	37,3	34,7	31,6	29,7	25,3	17,1	1" ¼	1" ¼	478	13,7
KVC 30-50 M	102990100	1 x 220 - 240 V ~	0,9	0,55	0,75	4		41,1	40,3	39,0	37,3	34,7	31,6	29,7	25,3	17,1	1" ¼	1" ¼	478	13,7
KVC 40-50 M	60212497	1 x 230 V	1,25	0,85	1,15	5,5		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9	1" ¼	1" ¼	505	15,8
KVC 40-50 M	102990120	1 x 220 - 240 V ~	1,2	0,8	1,1	5,6		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9	1" ¼	1" ¼	505	15,8
KVC 40-50 T	60179400	3 x 230 / 400 V ~	1,2	0,8	1,1	3,8-2,2		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9	1" ¼	1" ¼	505	15,8
KVC 55-50 M	60212495	1 x 230 V	1,5	0,85	1,15	6,6		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6	1" ¼	1" ¼	533	17,0
KVC 55-50 M	102990140	1 x 220 - 240 V ~	1,4	1	1,36	6,4		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6	1" ¼	1" ¼	533	17,0
KVC 55-50 T	60179398	3 x 230 / 400 V ~	1,5	1	1,36	4,4-2,6		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6	1" ¼	1" ¼	533	17,0
KVC 65-50 M	60211873	1 x 230 V	2	1,4	1,9	8,9		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3	1" ¼	1" ¼	600	20,2
KVC 65-50 M	102990160	1 x 220 - 240 V ~	1,7	1,1	1,5	7,4		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3	1" ¼	1" ¼	600	20,2
KVC 65-50 T	60179914	3 x 230 / 400 V ~	1,9	1,1	1,5	7-4		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3	1" ¼	1" ¼	600	19,8
KVC 75-50 M	60211874	1 x 230 V	2,26	1,4	1,9	10		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0	1" ¼	1" ¼	627	21,2
KVC 75-50 M	102990180	1 x 220 - 240 V ~	2	1,5	2	9		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0	1" ¼	1" ¼	627	21,2
KVC 75-50 T	60179915	3 x 230 / 400 V ~	2,1	1,5	2	7,7-4,3		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0	1" ¼	1" ¼	627	20,6

KVC, KVCX

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

KVC

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																			DNA GAS	DNM GAS	H mm	WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3	3,3	3,9	4,8	5,4	6	7,2	8,4	9	10,8	12					
							Q=l/min	0	10	20	30	40	50	55	65	80	90	100	120	140	150	180	200					
KVC 20-80 M	60212454	1 x 230 V	0,84	0,75	1	3,7		25,0	24,8	24,4	23,8	23,1	22,3	21,5	20,5	19	17,3	16	11,9	7,4	4,8			G 1" ¼	G 1" ¼	505	14,7
KVC 20-80 M	60183688	1 x 220 - 240V ~	0,93	0,55	0,75	4,2		25,0	24,8	24,4	23,8	23,1	22,3	21,5	20,5	19	17,3	16	11,9	7,4	4,8			G 1" ¼	G 1" ¼	505	14,7
KVC 30-80 M	60212452	1 x 230 V	1,22	0,85	1,15	5,4		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7			G 1" ¼	G 1" ¼	505	13,7
KVC 30-80 M	60183401	1 x 220 - 240V ~	1,4	1	1,36	6,5		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7			G 1" ¼	G 1" ¼	505	13,7
KVC 30-80 T	60183411	3 x 230 / 400V ~	1,17	1	1,36	3,9-2,3		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7			G 1" ¼	G 1" ¼	505	13,9
KVC 40-80 M	60211586	1 x 230 V	1,63	1,1	1,5	7,3		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5			G 1" ¼	G 1" ¼	560	18
KVC 40-80 M	60183402	1 x 220 - 240V ~	1,63	1,1	1,5	7,4		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5			G 1" ¼	G 1" ¼	560	18
KVC 40-80 T	60183804	3 x 230 / 400V ~	1,49	1	1,5	4,6-2,7		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5			G 1" ¼	G 1" ¼	560	17,6
KVC 45-80 M	60211892	1 x 230 V	2,11	1,8	2,45	9,4		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1			G 1" ¼	G 1" ¼	634	18
KVC 45-80 M	60183403	1 x 220 - 240V ~	2,1	1,6	2,2	9,7		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1			G 1" ¼	G 1" ¼	634	18
KVC 45-80 T	60183805	3 x 230 / 400V ~	1,93	1,6	2,2	6,2-3,6		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1			G 1" ¼	G 1" ¼	634	17,6
KVC 55-80 M	60211893	1 x 230 V	2,45	1,8	2,45	10,8		76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7			G 1" ¼	G 1" ¼	727	22
KVC 55-80 M	60183404	1 x 220 - 240V ~	2,46	1,85	2,5	11,2	H (m)	76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7			G 1" ¼	G 1" ¼	727	22
KVC 55-80 T	60183806	3 x 230 / 400V ~	2,28	1,85	2,5	7-4,1		76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7			G 1" ¼	G 1" ¼	727	22,1
KVC 65-80 T	60183807	3 x 230 / 400V ~	2,66	2,2	3	8,3-4,8		88,6	88,0	86,9	85,5	83,5	81,2	80,0	76,5	71	67,0	62	51,1	37,9	30,5			G 1" ¼	G 1" ¼	727	22,1
KVC 25-120 T	60179878	3 x 230 / 400 V ~	1,4	1	1,36	5-2,9		30,4	30,3	30,2	30,0	29,9	29,6	29,3	28,7	27,7	26,9	25,9	23,2	19,9	18,2	12,0	7,0	G 1" ¼	G 1" ¼	450	17,1
KVC 35-120 M	60211582	1 x 230 V	1,98	1,1	1,5	8,8		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0	G 1" ¼	G 1" ¼	480	20,1
KVC 35-120 M	102990420	1 x 220 - 240 V ~	1,9	1,1	1,5	7,4		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0	G 1" ¼	G 1" ¼	480	20,1
KVC 35-120 T	60179872	3 x 230 / 400 V ~	2	1,1	1,5	6,4-3,7		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0	G 1" ¼	G 1" ¼	480	20,2
KVC 45-120 M	60211923	1 x 230 V	2,83	1,8	2,45	13,4		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0	G 1" ¼	G 1" ¼	507	20,2
KVC 45-120 M	102990440	1 x 220 - 240 V ~	2,6	1,85	2,5	12		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0	G 1" ¼	G 1" ¼	507	20,2
KVC 45-120 T	60179863	3 x 230 / 400 V ~	2,6	1,85	2,5	7,6-4,4		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0	G 1" ¼	G 1" ¼	507	21,9
KVC 60-120 T	60179867	3 x 230 / 400 V ~	3,1	2,2	3	9-5,2		78,0	77,5	76,7	75,9	75,1	73,9	73,3	71,5	68,3	65,9	63,2	58,0	51,0	47	35,0	24,5	G 1" ¼	G 1" ¼	610	21,6
KVC 70-120 T	60179876	3 x 230 / 400 V ~	3,8	3	4	10,9 -6,3		95,0	94,3	93,4	92,5	91,4	89,8	88,9	86,8	83,2	80,5	77,9	71,7	63,9	59,2	44,0	31,0	G 1" ¼	G 1" ¼	675	24,0
KVC 85-120 T	60179865	3 x 230 / 400 V ~	4,2	3	4	12,3 -7,1		112,7	111,6	110,3	109,0	107,6	105,7	104,5	101,9	97,5	94,1	89,9	81,6	72,1	66,7	48,9	34,0	G 1" ¼	G 1" ¼	702	25,0

KVC, KVCX

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

KVCX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																		DNA GAS	DNM GAS	H mm	WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	0,6	1,2	1,8	2,4	3	3,3	3,9	4,8	5,4	6	7,2	8,4	9	10,8	12				
							Q=l/min	0	10	20	30	40	50	55	65	80	90	100	120	140	150	180	200				
KVCX 50-30 T	60183588	3 x 230 / 400V ~	-	0,75	1,0	3,7-2,2		61,5	59,9	56,8	52,2	46,0	38,0	33,5	22,7										1" ¼	1" ¼	652	17,5
KVCX 60-30 T	60183589	3 x 230 / 400V ~	-	0,8	1,1	3,9-2,3		69,6	67,6	64,0	58,5	51,1	41,8	36,2	23,8										1" ¼	1" ¼	652	17,3
KVCX 40-50 M	60212498	1 x 230 V	1,25	0,85	1,15	5,5		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9									1" ¼	1" ¼	505	15,8
KVCX 40-50 M	102980120	1 x 220 - 240 V ~	1,2	0,8	1,1	5,6		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9									1" ¼	1" ¼	505	15,8
KVCX 40-50 T	60179402	3 x 230 / 400 V ~	1,2	0,8	1,1	4,1-2,4		54,9	53,7	52,0	49,7	46,3	42,1	39,6	33,7	22,9									1" ¼	1" ¼	505	15,8
KVCX 55-50 M	60212499	1 x 230 V	1,5	0,85	1,15	6,6		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6									1" ¼	1" ¼	533	17,0
KVCX 55-50 M	102980140	1 x 220 - 240 V ~	1,4	1	1,36	6,4		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6									1" ¼	1" ¼	533	17,0
KVCX 55-50 T	60179403	3 x 230 / 400 V ~	1,5	1	1,36	4,7-2,7		68,6	67,1	65,0	62,1	57,9	52,7	49,5	42,1	28,6									1" ¼	1" ¼	533	17,0
KVCX 65-50 M	60211875	1 x 230 V	2	1,4	1,9	8,9		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3									1" ¼	1" ¼	600	20,2
KVCX 65-50 M	102980160	1 x 220 - 240 V ~	1,7	1,1	1,5	7,4		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3									1" ¼	1" ¼	600	20,2
KVCX 65-50 T	60179919	3 x 230 / 400 V ~	1,9	1,1	1,5	5,9-3,4		82,3	80,6	78,0	74,6	69,4	63,2	59,4	50,6	34,3									1" ¼	1" ¼	600	19,8
KVCX 75-50 M	60211876	1 x 230 V	2,26	1,4	1,9	10		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0									1" ¼	1" ¼	627	21,2
KVCX 75-50 M	102980180	1 x 220 - 240 V ~	2	1,5	2	9		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0									1" ¼	1" ¼	627	21,2
KVCX 75-50 T	60179917	3 x 230 / 400 V ~	2,1	1,5	2	6,6-3,8		96,0	94,0	91,0	87,0	81,0	73,8	69,3	59,0	40,0									1" ¼	1" ¼	627	20,6
KVCX 30-80 M	60212453	1 x 230 V	1,22	0,85	1,15	5,4		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7				G 1" ¼	G 1" ¼	505	13,7
KVCX 30-80 M	60183678	1 x 220 - 240V ~	1,4	1	1,36	6,5		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7				G 1" ¼	G 1" ¼	505	13,7
KVCX 30-80 T	60183812	3 x 230 / 400V ~	1,17	1	1,36	3,8-2,2		36,9	36,9	36,6	36,1	35,3	34,3	33,6	32,2	29,5	27,8	25,5	20,3	14,2	10,7				G 1" ¼	G 1" ¼	505	13,9
KVCX 40-80 M	60211588	1 x 230 V	1,63	1,1	1,5	7,3		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5				G 1" ¼	G 1" ¼	560	18
KVCX 40-80 M	60183680	1 x 220 - 240V ~	1,63	1,1	1,5	7,4		50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5				G 1" ¼	G 1" ¼	560	18
KVCX 40-80 T	60183795	3 x 230 / 400V ~	1,49	1,1	1,5	4,5-2,6	H (m)	50,1	49,7	49,0	48,0	46,7	45,1	44,2	42	38,5	35,7	32,5	25,5	17,1	12,5				G 1" ¼	G 1" ¼	560	17,6
KVCX 45-80 M	60211895	1 x 230 V	2,11	1,8	2,45	9,4		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1				G 1" ¼	G 1" ¼	634	18
KVCX 45-80 M	60183682	1 x 220 - 240V ~	2,1	1,6	2,2	9,6		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1				G 1" ¼	G 1" ¼	634	18
KVCX 45-80 T	60183796	3 x 230 / 400V ~	1,93	1,6	2,2	6-3,4		64,6	64,5	63,9	63,0	61,7	60,0	59,0	56,7	52,5	49,3	45	37,1	26,8	21,1				G 1" ¼	G 1" ¼	634	17,6
KVCX 55-80 M	60211903	1 x 230 V	2,45	1,8	2,45	10,8		76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7				G 1" ¼	G 1" ¼	727	22
KVCX 55-80 M	60183684	1 x 220 - 240V ~	2,46	1,85	2,5	11,2		76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7				G 1" ¼	G 1" ¼	727	22
KVCX 55-80 T	60183797	3 x 230 / 400V ~	2,28	1,85	2,5	6,8-3,9		76,1	75,8	75,1	73,9	72,2	70,0	68,5	66	60,5	56,7	52	41,8	29,5	22,7				G 1" ¼	G 1" ¼	727	22,1
KVCX 65-80 T	60183798	3 x 230 / 400V ~	2,66	2,2	3	7,7-4,4		88,6	88,0	86,9	85,5	83,5	81,2	80,0	76,5	71	67,0	62	51,1	37,9	30,5				G 1" ¼	G 1" ¼	727	22,1
KVCX 25-120 M	60211581	1 x 230 V	1,46	1,1	1,5	6,5		30,4	30,3	30,2	30,0	29,9	29,6	29,3	28,7	27,7	26,9	25,9	23,2	19,9	18,2	12,0	7,0		G 1" ¼	G 1" ¼	450	17,0
KVCX 25-120 M	102980400	1 x 220 - 240 V ~	1,5	1	1,36	6,5		30,4	30,3	30,2	30,0	29,9	29,6	29,3	28,7	27,7	26,9	25,9	23,2	19,9	18,2	12,0	7,0		G 1" ¼	G 1" ¼	450	17,0
KVCX 25-120 T	60179880	3 x 230 / 400 V ~	1,4	1	1,36	5-2,9		30,4	30,3	30,2	30,0	29,9	29,6	29,3	28,7	27,7	26,9	25,9	23,2	19,9	18,2	12,0	7,0		G 1" ¼	G 1" ¼	450	17,1
KVCX 35-120 M	60211579	1 x 230 V	1,98	1,1	1,5	8,8		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0		G 1" ¼	G 1" ¼	480	20,1
KVCX 35-120 M	102980420	1 x 220 - 240 V ~	1,9	1,1	1,5	7,4		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0		G 1" ¼	G 1" ¼	480	20,1
KVCX 35-120 T	60179866	3 x 230 / 400 V ~	2	1,1	1,5	6,4-3,7		46,2	46,1	45,7	45,3	44,8	44,0	43,7	42,7	40,9	39,3	37,4	33,7	29,4	26,8	18,0	11,0		G 1" ¼	G 1" ¼	480	20,2
KVCX 45-120 M	60211922	1 x 230 V	2,83	1,8	2,45	13,4		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0		G 1" ¼	G 1" ¼	507	20,2
KVCX 45-120 M	102980440	1 x 220 - 240 V ~	2,6	1,85	2,5	12		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0		G 1" ¼	G 1" ¼	507	20,2
KVCX 45-120 T	60179376	3 x 230 / 400 V ~	2,6	1,85	2,5	7,6-4,4		62,4	62,0	61,4	60,8	60,1	59,1	58,6	57,5	55,3	53,4	51,4	46,2	40,6	37,5	26,3	17,0		G 1" ¼	G 1" ¼	507	21,9
KVCX 60-120 T	60179856	3 x 230 / 400 V ~	3,1	2,2	3	9-5,2		78,0	77,5	76,7	75,9	75,1	73,9	73,3	71,5	68,3	65,9	63,2	58,0	51,0	47	35,0	24,5		G 1" ¼	G 1" ¼	610	21,6
KVCX 70-120 T	60179871	3 x 230 / 400 V ~	3,8	3	4	10,9 -6,3		95,0	94,3	93,4	92,5	91,4	89,8	88,9	86,8	83,2	80,5	77,9	71,7	63,9	59,2	44,0	31,0		G 1" ¼	G 1" ¼	675	24,0
KVCX 85-120 T	60179860	3 x 230 / 400 V ~	4,2	3	4	12,3 -7,1		112,7	111,6	110,3	109,0	107,6	105,7	104,5	101,9	97,5	94,1	89,9	81,6	72,1	66,7	48,9	34,0		G 1" ¼	G 1" ¼	702	25,0

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

The image of the product is purely indicative.

Multi-impeller vertical centrifugal pumps in AISI 304 stainless steel with coupling, designed for pressurization activities, water circulation in heating and conditioning systems in civil and commercial building service, in agriculture and in irrigation systems, in washing systems. All parts in contact with the liquid are in AISI 304 stainless steel (on request in AISI 316 stainless steel, for X versions). Standardized flanges and standard-sized center distances to facilitate pump replacement. Removable cartridge mechanical seal, it is removable without removing the motor, starting from models of 5,5 kW. Mechanical seals are available for aggressive liquids. The pumps are certified for the use with drinking water (WRAS and ACS certifications). Coupled by with a removable rigid coupling to standard two-pole motors IE3 at 50 Hz of 0,75 kW and IE2 of 0,37 kW.

Operating range
1 m³/h to 28 m³/h with head up to 240 m.

Pumped liquid Clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum glycol content 30%.

Supported liquid temperature
-30°C to +120°C (EPDM).
-15°C to +120°C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum operating pressure bar / kPa
25 bar / 2500 kPa.

Motor protection class IP 55.

Motor insulation class F.

Impeller/s material
AISI 304 stainless steel for NKV S.
AISI 316 stainless steel for NKV X (only on request).

Single-phase power supply
Contact our sales network.

Three phase power input
220 - 240 / 380 - 415 V at 50 Hz, up to 2.2 kW.
380 - 415 V at 50 Hz, 3 kW.

Possible type of installation Vertical position.

Special versions on request
Available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic, clamp flanges), **with parts in contact with the liquid in AISI 316 stainless steel (X versions)**, other voltages and frequencies.

THREE-PHASE MOTORS			
P2	< 0,75 kW	IE2	
	≥ 0,75 kW < 75 kW	IE3	
	≥ 75 kW	IE4*	* Available soon

WRAS APPROVED PRODUCT

ATTESTATION DE CONFORMITÉ SANITAIRE ACS

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HIGH EFFICIENCY

The NKV pumps are supplied with the new **premium efficiency motors** and comply with the highest energy efficiency standards on the water handling market.

PERFORMANCE FOR EVERY NEED

max ambient temp. 50°C

Q max 30 m³/h

H max 320 m

They offer incredible application flexibility thanks to a complete performance range and the ability to work with ambient temperatures up to 50°C.

ROBUSTNESS AND RELIABILITY

All parts in contact with liquids are made of AISI 304 stainless steel (AISI 316 X versions).
DAB construction quality guarantees solidity and greater resistance to wear and tear.

THE EASIEST REPLACEMENT EVER

In addition, the new range has been designed to simplify replacement thanks to the standard flanges and standard centre distances.

NKV 15 / 10 S 110 E1 IE3

- NOMINAL FLOW RATE (m³/h) / NUMBER OF STAGES/IMPELLERS
- MATERIALS*: S=AISI 304 ; X=AISI 316
- MOTOR POWER P2 KW X 10 (110 = 11KW)
- **Type of mechanical seal (E1=STANDARD)**
  - E1=BQGE=Carbon/Silicon carbide/AISI 316/EPDM
  - E2=QQGE=Silicon Carbide/Silicon Carbide/AISI 316/EPDM
  - V3=QQGV=Silicon Carbide/Silicon Carbide/AISI 316/FKM-Viton
  - V4=BQGV= Carbon/Silicon carbide /AISI 316/ FKM-Viton
  - E5=UUGE=Tungsten carbide/Tungsten carbide/AISI 316/EPDM
- Motor efficiency

*MATERIALS:
"S" version with pump body/impellers/diffusers in AISI 304 stainless steel
"X" version with pump body/impellers/diffusers in AISI 316 stainless steel

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 1 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	0.5	1	1.5	2	2.5					
			kW	HP		Q=l/min	0	8.3	16.7	25.0	33.3	42					
NKV 1/2 S T	60206517	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		14.5	13.5	12.5	11.5	9.5	7.5	25	25	529	250	17,3
NKV 1/3 S T	60206511	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		21.5	20,0	19,0	17,0	14,0	11,0	25	25	552	250	17,8
NKV 1/4 S T	60206519	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		28,0	26.5	24.5	22,0	18.5	14,0	25	25	574	250	18,3
NKV 1/5 S T	60206512	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		35,0	33,0	30.5	27,0	22.5	17,0	25	25	597	250	18,8
NKV 1/6 S T	60206513	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		41.5	39,0	36,0	32,0	26.5	19.5	25	25	619	250	19,3
NKV 1/7 S T	60206515	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		48,0	45,0	41.5	36.5	30,0	22,0	25	25	642	250	19,8
NKV 1/8 S T	60206518	3x220-240 V Δ / 380-415 Y	0,55	0,75	2,7/1,6		55,0	52,0	48,0	42.5	35,0	26,0	25	25	664	250	20,7
NKV 1/9 S T	60206520	3x220-240 V Δ / 380-415 Y	0,55	0,75	2,7/1,6		61.5	58,0	53,0	47,0	39,0	28.5	25	25	687	250	21,2
NKV 1/10 S T	60206534	3x220-240 V Δ / 380-415 Y	0,55	0,75	2,7/1,6		68,0	64,0	58.5	51.5	43,0	31.5	25	25	709	250	21,7
NKV 1/11 S T	60206535	3x220-240 V Δ / 380-415 Y	0,55	0,75	2,7/1,6		74.5	69.5	64,0	56.5	46.5	34,0	25	25	732	250	22,2
NKV 1/12 S T	60190298	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		83,0	78.5	72,0	64,0	53,0	39.5	25	25	770	250	26,0
NKV 1/13 S T	60190299	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7	H (m)	89.5	84.5	77.5	68.5	57,0	42,0	25	25	793	250	26,5
NKV 1/14 S T	60188895	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		96,0	90.5	83,0	73,0	60.5	44.5	25	25	815	250	26,5
NKV 1/15 S T	60190300	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		102.5	96,0	88,0	78,0	64,0	47,0	25	25	838	250	27,0
NKV 1/17 S T	60190301	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		118,0	111.5	103,0	91.5	76,0	56.5	25	25	883	250	29,6
NKV 1/19 S T	60190302	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		131,0	123.5	114,0	101,0	84,0	62,0	25	25	928	250	30,6
NKV 1/22 S T	60190199	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		150.5	141.5	130,0	115,0	95,0	69.5	25	25	995	250	32,1
NKV 1/23 S T	60190303	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		160.5	152,0	140,0	124.5	104,0	77.5	25	25	1063	250	36,0
NKV 1/25 S T	60190304	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		174,0	164,0	151.5	134.5	112,0	83.5	25	25	1108	250	37,0
NKV 1/27 S T	60190305	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		187,0	176.5	162.5	144,0	120,0	88.5	25	25	1153	250	38,0
NKV 1/30 S T	60190306	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		206.5	194.5	179,0	158,0	131,0	96.5	25	25	1220	250	39,0
NKV 1/32 S T	60207565	3 x 380 - 415 V Δ ~	3,0	4,0	5,6		224.5	213,0	197,0	175.5	147.5	110.5	25	25	1304	250	49,0
NKV 1/34 S T	60207567	3 x 380 - 415 V Δ ~	3,0	4,0	5,6		238,0	225.5	208.5	185.5	155.5	116.5	25	25	1349	250	50,0
NKV 1/37 S T	60207571	3 x 380 - 415 V Δ ~	3,0	4,0	5,6		258,0	244,0	225.5	200.5	167.5	125,0	25	25	1417	250	51,5

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 3 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	1	1.5	2	2.5	3	3.5	4	4.5					
			kW	HP		Q=l/min	0	16.7	25.0	33.3	42	50.0	58.3	67	75.0					
NKV 3/2 S T	60206541	3x220-240 V Δ / 380-415Y	0,37	0,50	1,7/1,0		15,0	15,0	14,5	13,5	12,5	11,5	10,0	8,0	6,0	25	25	529	250	17,3
NKV 3/3 S T	60206514	3x220-240 V Δ / 380-415Y	0,37	0,50	1,7/1,0		22,5	22,0	21,0	20,0	18,5	17,0	14,5	12,0	8,5	25	25	552	250	17,8
NKV 3/4 S T	60206516	3x220-240 V Δ / 380-415Y	0,37	0,50	1,7/1,0		30,0	28,5	27,5	26,0	24,0	21,5	18,5	15,0	10,5	25	25	574	250	18,3
NKV 3/5 S T	60206536	3x220-240 V Δ / 380-415Y	0,55	0,75	2,7/1,6		37,5	36,0	34,5	32,5	30,0	27,0	23,5	18,5	13,0	25	25	597	250	19,2
NKV 3/6 S T	60206537	3x220-240 V Δ / 380-415Y	0,55	0,75	2,7/1,6		44,5	42,5	40,5	38,5	35,5	32,0	27,0	21,5	15,0	25	25	619	250	19,7
NKV 3/7 S T	60190313	3x220-240 V Δ / 380-415Y	0,75	1,00	3,9/1,7		52,5	50,5	48,5	46,0	43,0	38,5	33,0	26,5	19,0	25	25	658	250	23,5
NKV 3/8 S T	60188597	3x220-240 V Δ / 380-415Y	0,75	1,00	3,9/1,7		59,5	57,5	55,0	52,0	48,0	43,5	37,0	29,5	21,0	25	25	680	250	24,0
NKV 3/9 S T	60187822	3x220-240 V Δ / 380-415Y	0,75	1,00	3,9/1,7		67,0	64,0	61,5	58,0	53,5	48,0	41,0	32,5	22,5	25	25	703	250	24,5
NKV 3/10 S T	60190314	3x220-240 V Δ / 380-415Y	1,10	1,50	4,1/2,4		75,0	72,5	70,0	66,5	61,5	55,5	48,0	38,5	27,5	25	25	725	250	26,6
NKV 3/11 S T	60190315	3x220-240 V Δ / 380-415Y	1,10	1,50	4,1/2,4		82,5	79,5	76,5	72,5	67,0	60,5	52,0	42,0	29,5	25	25	748	250	27,1
NKV 3/12 S T	60190316	3x220-240 V Δ / 380-415Y	1,10	1,50	4,1/2,4		89,5	86,0	83,0	78,5	72,5	65,0	56,0	45,0	31,5	25	25	770	250	27,6
NKV 3/13 S T	60190317	3x220-240 V Δ / 380-415Y	1,10	1,50	4,1/2,4		96,5	93,0	89,0	84,5	78,0	70,0	60,0	47,5	33,5	25	25	793	250	28,1
NKV 3/14 S T	60190318	3x220-240 V Δ / 380-415Y	1,50	2,00	5,1/3,0	H (m)	105,5	102,0	98,5	93,5	86,5	78,0	67,5	54,5	39,5	25	25	860	250	32,0
NKV 3/15 S T	60190319	3x220-240 V Δ / 380-415Y	1,50	2,00	5,1/3,0		112,5	109,0	105,0	99,5	92,5	83,0	71,5	58,0	41,5	25	25	883	250	32,5
NKV 3/16 S T	60190320	3x220-240 V Δ / 380-415Y	1,50	2,00	5,1/3,0		120,0	115,5	111,5	105,5	98,0	88,0	76,0	61,0	43,5	25	25	905	250	32,5
NKV 3/17 S T	60190321	3x220-240 V Δ / 380-415Y	1,50	2,00	5,1/3,0		127,0	122,5	118,0	111,5	103,5	93,0	80,0	64,0	45,5	25	25	928	250	33,0
NKV 3/18 S T	60190322	3x220-240 V Δ / 380-415Y	2,20	3,00	7,8-4,6		136,5	132,5	128,0	121,5	113,5	102,5	89,0	72,5	53,0	25	25	950	250	35,5
NKV 3/19 S T	60190323	3x220-240 V Δ / 380-415Y	2,20	3,00	7,8-4,6		144,0	139,5	134,5	128,0	119,0	107,5	93,5	76,0	55,5	25	25	973	250	36,0
NKV 3/21 S T	60190324	3x220-240 V Δ / 380-415Y	2,20	3,00	7,8-4,6		158,5	153,5	148,0	140,5	130,5	118,0	102,0	83,0	60,0	25	25	1018	250	37,0
NKV 3/23 S T	60190325	3x220-240 V Δ / 380-415Y	2,20	3,00	7,8-4,6		173,0	167,5	161,5	153,0	142,0	128,0	110,5	89,5	64,5	25	25	1063	250	38,0
NKV 3/25 S T	60190326	3x220-240 V Δ / 380-415Y	2,20	3,00	7,8-4,6		187,5	181,0	174,5	165,5	153,5	138,0	119,0	96,0	68,5	25	25	1108	250	39,0
NKV 3/27 S T	60190327	3 x 380-415 Δ	3,00	4,00	5,6		205,5	199,5	193,0	184,0	171,5	155,0	135,0	110,5	81,0	25	25	1202	250	47,3
NKV 3/29 S T	60190328	3 x 380-415 Δ	3,00	4,00	5,6		220,0	213,5	206,5	196,5	183,5	166,0	144,0	117,5	86,0	25	25	1247	250	48,3
NKV 3/31 S T	60190329	3 x 380-415 Δ	3,00	4,00	5,6		235,0	228,0	220,5	209,5	195,0	176,5	153,0	124,5	91,0	25	25	1292	250	49,3
NKV 3/33 S T	60190330	3 x 380-415 Δ	3,00	4,00	5,6		249,5	242,0	234,0	222,0	206,5	187,0	162,0	131,5	95,5	25	25	1337	250	50,3

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 6 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	3	3.5	4	4.5	5	5.4	6	7				
			kW	HP		Q=l/min	0	50.0	58.3	67	75.0	83.3	90	100.0	116.7				
NKV 6/2 S T	60206542	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		15,0	13.5	13,0	12.5	12,0	11.5	11,0	10,0	8,0	32	32	536	250	17,8
NKV 6/3 S T	60206543	3x220-240 V Δ / 380-415 Y	0,37	0,50	1,7/1,0		22.5	19.5	19,0	18,0	17,0	16,0	15.5	14,0	11,0	32	32	562	250	18,3
NKV 6/4 S T	60206538	3x220-240 V Δ / 380-415 Y	0,55	0,75	2,7/1,6		29.5	26,0	25,0	24,0	22.5	21.5	20.5	18.5	14.5	32	32	588	250	19,2
NKV 6/5 S T	60188893	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		37.5	33.5	32,0	30.5	29,0	27.5	26,0	24,0	19,0	32	32	630	250	23,0
NKV 6/6 S T	60190336	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		44.5	39.5	37.5	36,0	34,0	32.5	30.5	28,0	22,0	32	32	656	250	23,5
NKV 6/7 S T	60190337	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		52.5	47,0	45,0	43,0	41,0	39,0	37,0	34,0	27,0	32	32	682	250	25,6
NKV 6/8 S T	60190338	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		59.5	53.5	51,0	48.5	46.5	44,0	42,0	38.5	30.5	32	32	708	250	26,1
NKV 6/9 S T	60190339	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		67,0	59,0	56.5	54,0	51.5	48.5	46,0	42.5	33.5	32	32	734	250	26,6
NKV 6/10 S T	60190161	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		75,0	67.5	65,0	62,0	59,0	56,0	53.5	49,0	39,0	32	32	805	250	30,5
NKV 6/11 S T	60190340	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		82.5	73.5	71,0	67.5	64.5	61,0	58,0	53.5	42.5	32	32	831	250	31,5
NKV 6/12 S T	60190341	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		89.5	80,0	76.5	73,0	69.5	65.5	62.5	57.5	45.5	32	32	857	250	32,0
NKV 6/13 S T	60190357	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		97,0	86,0	82,0	78.5	74.5	70.5	67,0	61.5	48.5	32	32	883	250	32,5
NKV 6/14 S T	60190342	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6	H (m)	105.5	95.5	92,0	88,0	83.5	79.5	76,0	70,0	56,0	32	32	909	250	35,0
NKV 6/15 S T	60190344	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		113,0	102,0	98,0	93.5	89,0	84.5	80.5	74,0	59.5	32	32	935	250	35,5
NKV 6/16 S T	60190345	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		120.5	108,0	104,0	99,0	94.5	89.5	85.5	78.5	62.5	32	32	961	250	36,0
NKV 6/17 S T	60190346	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		127.5	114.5	109.5	105,0	99.5	94.5	90,0	83,0	66,0	32	32	987	250	36,5
NKV 6/18 S T	60190347	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		135,0	120.5	115.5	110.5	105,0	99.5	94.5	87,0	69,0	32	32	1013	250	37,0
NKV 6/19 S T	60207574	3 x 380 - 415 V Δ ~	3,00	4,00	5,6		142,0	126.5	121.5	115.5	110,0	104,0	99,0	91,0	72,0	32	32	1078	250	44,9
NKV 6/20 S T	60190349	3 x 380-415 Δ	3,00	4,00	5,6		152,0	138,0	133,0	127,0	121,0	115,0	110,0	101.5	82,0	32	32	1114	250	45,3
NKV 6/21 S T	60190350	3 x 380-415 Δ	3,00	4,00	5,6		159,0	144.5	139,0	133,0	127,0	120.5	115,0	106,0	85.5	32	32	1140	250	45,8
NKV 6/23 S T	60190351	3 x 380-415 Δ	3,00	4,00	5,6		174,0	157.5	151.5	144.5	138,0	131,0	125,0	115,0	92.5	32	32	1192	250	46,8
NKV 6/25 S T	60190352	3 x 380-415 Δ	3,00	4,00	5,6		189,0	170,0	164,0	157.5	150.5	142.5	135.5	123.5	98.5	32	32	1244	250	47,8
NKV 6/28 S T	60190353	3 x 380-415 Δ	4,00	5,50	8		214,0	194.5	188,0	181,0	173.5	164.5	156.5	143,0	115.5	32	32	1322	250	53,0
NKV 6/30 S T	60190354	3 x 380-415 Δ	4,00	5,50	8		229,0	207.5	200.5	193,0	184.5	175.5	167,0	152.5	122.5	32	32	1374	250	54,5
NKV 6/33 S T	60190355	3 x 380-415 Δ	4,00	5,50	8		251.5	227,0	219.5	211,0	201.5	191,0	182,0	166,0	133.5	32	32	1452	250	56,0
*NKV 6/36 S T	60190356	3 x 380-415 Δ	5,50	7,50	10,2		275,0	249.5	241.5	232.5	222.5	211.5	201.5	184,0	148.5	32	32	1728	250	84,1

* Only available with Victaulic type connection®

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 10 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	3	5	6	7	8	9	10	11	14					
			kW	HP		Q=l/min	0	50.0	83.3	100.0	116.7	133	150.0	166.7	183	233.3					
NKV 10/2 S T	60187831	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		20,0	20,0	19,0	18,5	17,5	17,0	16,0	15,0	13,5	9,0	40	40	573	280	22.5
NKV 10/3 S T	60190358	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		30,0	30,0	28,5	27,5	26,5	25,5	24,0	22,5	20,5	13,5	40	40	603	280	25.1
NKV 10/4 S T	60190360	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		40,5	40,0	38,5	37,0	35,5	34,0	32,5	30,5	28,0	18,0	40	40	678	280	29,0
NKV 10/5 S T	60187635	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		50,5	49,5	47,0	45,5	43,5	41,5	39,5	37,0	33,5	21,5	40	40	708	280	29.5
NKV 10/6 S T	60187634	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		61,0	60.5	57.5	56,0	54,0	51.5	49,0	46,0	42,0	27.5	40	40	738	280	32.5
NKV 10/7 S T	60209146	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		70.5	70,0	66.5	64.5	62,0	59.5	56,0	52.5	48,0	31,0	40	40	768	280	33,0
NKV 10/8 S T	60190361	3 x 380-415 Δ	3,00	4,00	5,6		81.5	81,0	78,0	75.5	73,0	70,0	66.5	62.5	57.5	38,0	40	40	847	280	41.3
NKV 10/9 S T	60187630	3 x 380-415 Δ	3,00	4,00	5,6		91.5	91,0	87.5	84.5	81.5	78,0	74,0	69.5	64,0	42,0	40	40	877	280	41.8
NKV 10/10 S T	60190362	3 x 380-415 Δ	4,00	5,50	8	H (m)	102.5	102.5	99,0	96,0	93,0	89,0	84.5	79.5	73.5	49,0	40	40	907	280	46,0
NKV 10/11 S T	60190363	3 x 380-415 Δ	4,00	5,50	8		113,0	112.5	108,0	105,0	101.5	97.5	92.5	87,0	80.5	53.5	40	40	937	280	46.5
NKV 10/12 S T	60187915	3 x 380-415 Δ	4,00	5,50	8		123,0	122.5	117.5	114,0	110,0	105.5	100.5	94,0	87,0	57.5	40	40	967	280	47.5
NKV 10/13 S T	60190364	3 x 380-415 Δ	4,00	5,50	8		133,0	132,0	127,0	123,0	118.5	113.5	108,0	101,0	93.5	61.5	40	40	997	280	48,0
NKV 10/15 S T	60185079	3 x 380-415 Δ	5,50	7,50	10,2		153.5	153,0	147,0	142.5	138,0	132,0	125.5	118,0	109,0	72,0	40	40	1254	280	76.1
NKV 10/17 S T	60190365	3 x 380-415 Δ	5,50	7,50	10,2		173.5	172.5	165.5	160.5	155,0	148.5	141,0	132.5	122,0	80.5	40	40	1314	280	77.1
NKV 10/19 S T	60185990	3 x 380-415 Δ	7,50	10,00	14,4		195,0	194.5	187.5	182,0	176,0	169,0	160.5	151,0	139.5	93,0	40	40	1396	280	81,0
NKV 10/21 S T	60190366	3 x 380-415 Δ	7,50	10,00	14,4		215.5	214.5	206,0	200,0	193.5	185.5	176.5	166,0	153,0	101.5	40	40	1456	280	82.5
NKV 10/23 S T	60190367	3 x 380-415 Δ	7,50	10,00	14,4		235.5	234,0	225,0	218.5	211,0	202,0	192,0	180.5	166.5	110,0	40	40	1516	280	83.5
NKV 10/24 S T	60185989	3 x 380-415 Δ	11,00	15,00	19,7		248,0	247,0	240.5	234,0	227,0	218,0	208,0	196,0	182,0	122.5	40	40	1641	280	109.5

NKV 15 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	8	10	12	14	16	18	20	22	24					
			kW	HP		Q=l/min	0	133	167	200	233	266	300	333	367	400					
NKV 15/1 S T	60207580	3x220-240 V Δ / 380-415 Y	0,75	1,00	3,9/1,7		14.5	13,0	12.5	12,0	11.5	10.5	9.5	8.5	7,0	5.5	50	50	633	300	28,0
NKV 15/2 S T	60207582	3x220-240 V Δ / 380-415 Y	1,50	2,00	5,1/3,0		29,0	26,0	25,0	24,0	23,0	21.5	19.5	17,0	14,0	11,0	50	50	678	300	33,5
NKV 15/3 S T	60207591	3 x 380-415 Δ	2,20	3,00	7,8/4,6		43.5	39,0	38,0	36.5	34.5	32.5	29.5	26,0	21.5	17,0	50	50	736	300	37,0
NKV 15/4 S T	60207602	3 x 380-415 Δ	3,00	4,00	5,60		58,0	52.5	51,0	49,0	46.5	44,0	40.5	35.5	29.5	23.5	50	50	775	300	45,8
NKV 15/5 S T	60187690	3 x 380-415 Δ	4,00	5,50	8		72.5	65.5	63.5	60.5	57.5	54.5	49.5	43,0	36,0	28.5	50	50	871	300	52.5
NKV 15/6 S T	60189196	3 x 380-415 Δ	5,50	7,50	10,2		87.5	79.5	77,0	74,0	71,0	67,0	61.5	54,0	46,0	36.5	50	50	1128	300	81.1
NKV 15/7 S T	60185080	3 x 380-415 Δ	5,50	7,50	10,2		102,0	92,0	89,0	86,0	82,0	77.5	70.5	62,0	52.5	41.5	50	50	1176	300	82.6
NKV 15/8 S T	60187692	3 x 380-415 Δ	7,50	10,00	14,4		117,0	106.5	103,0	99.5	95,0	90,0	82.5	72.5	62,0	49,0	50	50	1246	300	86.5
NKV 15/9 S T	60190369	3 x 380-415 Δ	7,50	10,00	14,4	H (m)	131.5	119,0	115.5	111,0	106,0	100.5	92,0	81,0	69,0	54.5	50	50	1294	300	88,0
NKV 15/10 S T	60190370	3 x 380-415 Δ	11,00	15,00	19,7		147.5	134.5	131,0	126.5	121,0	115,0	106,0	94,0	80.5	65,0	50	50	1437	300	115,0
NKV 15/11 S T	60190371	3 x 380-415 Δ	11,00	15,00	19,7		162,0	148,0	143.5	139,0	133,0	126.5	116.5	103,0	88.5	71,0	50	50	1485	300	116.5
NKV 15/12 S T	60190372	3 x 380-415 Δ	11,00	15,00	19,7		176.5	161,0	156.5	151,0	144.5	137.5	126.5	112,0	96,0	77,0	50	50	1533	300	118,0
NKV 15/13 S T	60190373	3 x 380-415 Δ	11,00	15,00	19,7		191,0	174.5	169,0	163.5	156.5	148.5	136.5	120.5	103,0	82.5	50	50	1581	300	119.5
NKV 15/14 S T	60190374	3 x 380-415 Δ	11,00	15,00	19,7		205.5	187.5	182,0	175.5	168,0	159,0	146,0	129,0	110.5	88,0	50	50	1629	300	121,0
NKV 15/15 S T	60190375	3 x 380-415 Δ	15,00	20,00	26,7		221,0	201,0	195.5	188.5	180.5	171.5	157.5	139.5	119.5	95.5	50	50	1728	300	131,0
NKV 15/16 S T	60190376	3 x 380-415 Δ	15,00	20,00	26,7		235.5	214,0	208,0	200.5	192,0	182.5	167.5	148,0	126.5	101.5	50	50	1776	300	132.5
NKV 15/17 S T	60190377	3 x 380-415 Δ	15,00	20,00	26,7		249.5	227.5	220.5	213,0	203.5	193,0	177.5	156.5	134,0	107,0	50	50	1824	300	134,0

NKV 1, 3, 6, 10, 15, 20 - S

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 20 - S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³/h	0	10	12	14	16	18	20	22	24	28				
						Q=l/min	0	167	200	233	266	300	333	367	400	467				
NKV 20/1 S T	60190378	3x220-240 V Δ / 380-415 Y	1,10	1,50	4,1/2,4		15,5	13,5	13,0	13,0	12,5	12,0	11,0	10,0	8,5	6,0	50	50	633	300	30,6
NKV 20/2 S T	60190379	3x220-240 V Δ / 380-415 Y	2,20	3,00	7,8-4,6		31,0	27,5	27,0	26,0	25,0	24,0	22,5	20,5	18,0	12,0	50	50	678	300	37,0
NKV 20/3 S T	60186460	3 x 380-415 Δ	3,00	4,00	5,6		46,5	41,5	40,5	39,5	38,0	36,5	34,5	31,0	27,5	18,5	50	50	775	300	45,8
NKV 20/4 S T	60190380	3 x 380-415 Δ	4,00	5,50	8		62,5	56,0	55,0	53,5	51,5	49,5	46,5	42,5	37,0	25,5	50	50	823	300	51,0
NKV 20/5 S T	60190381	3 x 380-415 Δ	5,50	7,50	10,2		78,0	70,0	68,5	66,5	64,5	62,0	58,0	53,0	47,0	32,5	50	50	1080	300	80,1
NKV 20/6 S T	60187641	3 x 380-415 Δ	7,50	10,00	14,4		94,5	86,5	84,5	82,5	80,0	77,5	73,5	67,5	60,0	42,5	50	50	1150	300	84,0
NKV 20/7 S T	60187642	3 x 380-415 Δ	7,50	10,00	14,4		110,0	100,5	98,0	95,5	93,0	90,0	85,0	77,5	69,0	48,5	50	50	1198	300	85,0
NKV 20/8 S T	60190382	3 x 380-415 Δ	11,00	15,00	19,7		126,5	117,0	114,0	112,0	109,0	106,0	100,5	92,5	82,5	59,5	50	50	1341	300	112,5
NKV 20/9 S T	60187643	3 x 380-415 Δ	11,00	15,00	19,7	H (m)	142,5	131,0	128,0	125,5	122,0	118,5	112,5	103,5	92,5	66,5	50	50	1389	300	114,0
NKV 20/10 S T	60190383	3 x 380-415 Δ	11,00	15,00	19,7		158,0	145,5	142,0	139,0	135,0	131,5	124,5	114,0	102,0	73,0	50	50	1437	300	115,0
NKV 20/11 S T	60190384	3 x 380-415 Δ	15,00	20,00	26,7		174,0	160,0	156,5	153,0	149,0	144,5	137,0	126,0	113,0	81,0	50	50	1536	300	125,5
NKV 20/12 S T	60190385	3 x 380-415 Δ	15,00	20,00	26,7		189,5	174,5	170,5	167,0	162,0	157,5	149,0	137,0	122,5	87,5	50	50	1584	300	127,0
NKV 20/13 S T	60190386	3 x 380-415 Δ	15,00	20,00	26,7		205,0	188,5	184,0	180,0	175,0	170,0	161,0	147,5	132,0	94,0	50	50	1632	300	128,5
NKV 20/14 S T	60190387	3 x 380-415 Δ	15,00	20,00	26,7		220,5	202,5	198,0	193,5	188,0	182,5	172,5	158,0	141,0	100,5	50	50	1680	300	130,0
NKV 20/15 S T	60190388	3 x 380-415 Δ	18,50	25,00	33		237,0	217,5	212,5	208,0	202,0	196,0	185,5	170,5	152,0	108,5	50	50	1794	300	167,0
NKV 20/16 S T	60190389	3 x 380-415 Δ	18,50	25,00	33		252,5	231,5	226,0	221,0	215,0	208,5	197,0	181,0	161,5	115,0	50	50	1842	300	168,5
NKV 20/17 S T	60190390	3 x 380-415 Δ	18,50	25,00	33		268,0	245,5	240,0	234,5	227,5	221,0	209,0	191,5	171,0	121,5	50	50	1890	300	170,0

SPECIAL VERSION

MODEL
NKV 1 - 3 - 6 - 10
NKV 15 - 20

VERSION WITH SPECIAL MECHANICAL SEALS

(1) **Mech. seal SPECIAL type E2 =** SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
(2) **Mech. seal SPECIAL type V3 =** SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
(3) **Mech. seal SPECIAL type V4 =** SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
(4) **Mech. seal SPECIAL type E5 =** WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKV 32, 45, 65, 95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

The image of the product is purely indicative.

Vertical multi-impeller centrifugal pumps in AISI 304 stainless steel with coupling, designed for pressurization activities, water circulation in heating and conditioning systems in civil and commercial building service, in agriculture and in irrigation systems and in washing systems.
The pump body and the upper flange are in cataphorized cast iron, the impellers, the diffusers and the pump jacket are in AISI 304 stainless steel (on request in AISI 316 stainless steel -version X-).
The pumps are particularly versatile thanks to the spacing of the in-line ports designed to maximize interchangeability.
Mechanical seal with silicon-graphite carbide cartridge that can be disassembled without removing the motor, starting from 5,5 kW models.
Mechanical seals for aggressive liquids are available on request.
Connections: round flanges in cast iron or in AISI 316.
All models in AISI 316 stainless steel - version X - are certified for use with drinking water (WRAS and ACS certifications).
The pump is coupled by means of a removable rigid joint to a high energy efficiency IE3 electric motors.

Operating range
20 m³/h to 115 m³/h with head up to 300 m.

Pumped liquid Clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Maximum glycol content 30%.

Supported liquid temperature
-30°C to +120°C (EPDM).
-15°C to +120°C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum operating pressure bar / kPa
NKV 65, 95: 25 bar / 2500 kPa.
NKV 32, 45: 32 bar / 3200 kPa.

Motor protection class IP 55.

Motor insulation class F.

Impeller/s material
AISI 304 stainless steel.
AISI 316 for NKV X only on request.

Single-phase power supply
Contact our sales network.

Three phase power input
220 - 240 / 380 - 415 V at 50 Hz, up to 2.2 kW.
380 - 415 V at 50 Hz, 3 kW.

Special versions on request
Available with different types of mechanical seals for aggressive liquids. Connections: round flanges in cast iron or AISI 316 stainless steel. Parts in contact with liquid in AISI 316 stainless steel (X versions). Other voltages and frequencies.

THREE-PHASE MOTORS			
P2	< 0,75 kW	IE2	
	≥ 0,75 kW < 75 kW	IE3	
	≥ 75 kW	IE4*	* Available soon

WRAS APPROVED PRODUCT

ATTESTATION DE CONFORMITÉ SANITAIRE ACS

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NKV 32 / 13 - 2 X 300 E1 IE3

NOMINAL FLOW RATE (m³/h)
NUMBER OF STAGES/IMPELLERS
NUMBER AND TYPE OF TURNED IMPELLER
MATERIALS*: " "= CAST IRON/AISI 304; X=AISI 316
MOTOR POWER P2 KW X 10 (300 = 30KW)
Type of mechanical seal (E1=STANDARD)
E1=BQGE=Carbon/Silicon carbide/AISI 316/EPDM STD
E2=QQGE=Silicon Carbide/Silicon Carbide/AISI 316/EPDM
V3=QQGV=Silicon Carbide/Silicon Carbide/AISI 316/FKM-Viton
V4=BQGV= Carbon/Silicon carbide /AISI 316/ FKM-Viton
E5=UUGE=Tungsten carbide/Tungsten carbide/AISI 316/EPDM
Motor efficiency

*MATERIALS:
"X" version with pump body/impellers/diffusers in AISI 316 stainless steel
" " standard version with pump body in cast iron and impellers in AISI 304 stainless steel (for NKV 32-45-65-95)

NKV 32, 45, 65, 95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 32

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	15	18	22	25	30	35	40	45					
			kW	HP		Q=l/min	0	250	300	367	417	500	583	667	750					
NKV 32/2-2 T	60180195	3 x 380-415 Δ	4,0	5,5	8		36,0	33,5	32,5	30,5	29,5	27	22,5	18,0	12,5	65	65	947	320	93
NKV 32/2 T	60180196	3 x 380-415 Δ	5,5	7,5	10,2		48,5	43,5	42,5	41,0	39,5	36,5	33,5	29,0	23,5	65	65	1114	320	140
NKV 32/3-2 T	60180197	3 x 380-415 Δ	5,5	7,5	10,2		60,0	54,5	53,0	50,5	48,0	44,0	38,0	31,5	23,5	65	65	1196	320	144
NKV 32/3 T	60167525	3 x 380-415 Δ	7,5	10,0	14,4		73,0	65,0	63,5	61,0	59,0	55,0	50,0	43,5	35,5	65	65	1243	320	125
NKV 32/4-2 T	60167526	3 x 380-415 Δ	7,5	10,0	14,4		84,5	76,5	74,0	70,5	68,0	62,0	55,0	46,0	35,0	65	65	1325	320	132
NKV 32/4 T	60167527	3 x 380-415 Δ	11,0	15,0	19,7		98,0	88,0	86,0	83,0	80,5	75,0	69,0	60,0	49,5	65	65	1345	320	203
NKV 32/5-2 T	60167528	3 x 380-415 Δ	11,0	15,0	19,7		109,5	99,5	97,0	93,0	89,5	83,0	74,0	63,0	49,5	65	65	1427	320	207
NKV 32/5 T	60167529	3 x 380-415 Δ	15,0	20,0	26,7		122,5	109,5	107,0	103,5	100,0	93,5	85,5	75,0	61,5	65	65	1495	320	214
NKV 32/6-2 T	60167530	3 x 380-415 Δ	15,0	20,0	26,7		134,0	121,5	118,5	113,5	109,5	101,5	91,0	78,0	61,5	65	65	1577	320	218
NKV 32/6 T	60167531	3 x 380-415 Δ	15,0	20,0	26,7		146,5	131,0	128,0	123,5	119,5	111,5	102,0	89,0	73,0	65	65	1577	320	218
NKV 32/7-2 T	60167532	3 x 380-415 Δ	15,0	20,0	26,7		158,0	142,5	139,0	133,5	128,5	119,0	107,0	91,5	72,5	65	65	1659	320	222
NKV 32/7 T	60167533	3 x 380-415 Δ	18,5	25,0	33		171,0	152,5	149,0	144,0	139,5	130,0	119,0	103,5	85,0	65	65	1703	320	243
NKV 32/8-2 T	60167534	3 x 380-415 Δ	18,5	25,0	33	H (m)	182,5	164,5	160,0	154,0	148,5	137,5	124,0	106,0	84,5	65	65	1785	320	247
NKV 32/8 T	60167535	3 x 380-415 Δ	18,5	25,0	33		194,5	174,0	169,5	164,0	158,5	147,5	134,5	117,0	95,5	65	65	1785	320	247
NKV 32/9-2 T	60167536	3 x 380-415 Δ	22,0	30,0	38,1		208,5	188,5	184,0	177,0	171,0	159,0	144,0	124,5	100,5	65	65	1898	320	283
NKV 32/9 T	60167537	3 x 380-415 Δ	22,0	30,0	38,1		221,0	198,0	194,0	187,5	181,5	169,5	155,5	136,0	112,0	65	65	1898	320	283
NKV 32/10-2 T	60167538	3 x 380-415 Δ	22,0	30,0	38,1		233,0	210,0	205,0	197,5	191,0	177,5	161,0	139,0	112,0	65	65	1980	320	290
NKV 32/10 T	60167539	3 x 380-415 Δ	30,0	40,0	52,1		246,5	221,5	217,0	210,0	203,5	190,5	175,0	153,5	126,5	65	65	2075	320	363
NKV 32/11-2 T	60167540	3 x 380-415 Δ	30,0	40,0	52,1		258,0	233,5	228,5	220,5	213,0	198,5	180,5	156,5	127,0	65	65	2157	320	367
NKV 32/11 T	60167541	3 x 380-415 Δ	30,0	40,0	52,1		271,0	243,5	238,0	230,5	223,5	209,0	192,0	168,0	138,5	65	65	2157	320	367
NKV 32/12-2 T	60167542	3 x 380-415 Δ	30,0	40,0	52,1		282,5	255,5	249,5	241,0	233,0	217,0	197,5	171,0	139,0	65	65	2239	320	371
NKV 32/12 T	60167543	3 x 380-415 Δ	30,0	40,0	52,1		295,0	265,5	259,5	251,0	243,0	227,5	208,5	182,5	150,5	65	65	2239	320	371
NKV 32/13-2 T	60167544	3 x 380-415 Δ	30,0	40,0	52,1		307,0	277,5	271,0	261,5	252,5	235,5	214,0	185,5	151,0	65	65	2321	320	375
NKV 32/13 T	60167545	3 x 380-415 Δ	30,0	40,0	52,1		319,5	287,0	280,5	271,5	263,0	246,0	225,5	197,0	162,5	65	65	2321	320	375

NKV 32, 45, 65, 95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 45

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	18	25	30	40	54	60	65	70					
			kW	HP		Q=l/min	0	300	417	500	667	900	1000	1083	1166					
NKV 45/2-2 T	60180198	3 x 380-415 Δ	5,5	7,5	10,2		38,5	37,0	35,5	34,5	31,0	23	18,5	14,5	10,0	80	80	1149	365	146
NKV 45/2 T	60167546	3 x 380-415 Δ	7,5	10,0	14,4		48,5	47,0	45,5	44,0	41,5	34,0	30,5	26,5	23,0	80	80	1196	365	127
NKV 45/3-2 T	60167547	3 x 380-415 Δ	11,0	15,0	19,7		63,0	61,5	59,5	58,0	53,5	42,0	36,0	30,0	24,0	80	80	1298	365	205
NKV 45/3 T	60167548	3 x 380-415 Δ	11,0	15,0	19,7		73,5	71,0	69,0	67,0	63,0	52,5	47,0	41,0	34,0	80	80	1298	365	205
NKV 45/4-2 T	60167549	3 x 380-415 Δ	15,0	20,0	26,7		87,5	85,0	82,0	80,0	74,0	59,5	51,0	43,0	34,0	80	80	1448	365	216
NKV 45/4 T	60167550	3 x 380-415 Δ	15,0	20,0	26,7		97,5	94,5	91,5	89,0	84,0	69,5	62,0	54,5	45,0	80	80	1448	365	216
NKV 45/5-2 T	60167551	3 x 380-415 Δ	18,5	25,0	33		112,0	108,5	105,0	102,0	94,5	76,5	66,0	56,0	45,0	80	80	1574	365	241
NKV 45/5 T	60167552	3 x 380-415 Δ	18,5	25,0	33		122,0	118,0	114,0	111,0	104,5	86,5	77,0	67,5	56,0	80	80	1574	365	241
NKV 45/6-2 T	60167553	3 x 380-415 Δ	22,0	30,0	38,1		137,5	133,5	129,0	126,0	117,5	95,5	83,5	72,0	58,0	80	80	1687	365	276
NKV 45/6 T	60167554	3 x 380-415 Δ	22,0	30,0	38,1		147,5	143,5	138,5	135,0	127,0	106,0	95,0	83,5	71,0	80	80	1687	365	276
NKV 45/7-2 T	60167555	3 x 380-415 Δ	30,0	40,0	52,1		162,5	158,0	153,0	149,5	139,5	115,0	101,0	87,5	73,0	80	80	1864	365	356
NKV 45/7 T	60167556	3 x 380-415 Δ	30,0	40,0	52,1	H (m)	172,5	168,0	162,5	158,5	149,5	125,5	112,0	99,0	83,0	80	80	1864	365	356
NKV 45/8-2 T	60167557	3 x 380-415 Δ	30,0	40,0	52,1		187,0	182,0	176,0	171,5	160,5	132,0	116,5	101,0	83,0	80	80	1946	365	360
NKV 45/8 T	60167558	3 x 380-415 Δ	30,0	40,0	52,1		197,0	191,5	185,5	181,0	170,5	142,5	127,5	112,5	94,0	80	80	1946	365	360
NKV 45/9-2 T	60167559	3 x 380-415 Δ	37,0	50,0	62,6		211,5	205,5	199,0	194,0	181,5	149,5	132,0	114,5	94,0	80	80	2028	365	384
NKV 45/9 T	60167560	3 x 380-415 Δ	37,0	50,0	62,6		221,5	215,5	208,0	203,0	191,5	160,0	143,0	126,0	106,0	80	80	2028	365	384
NKV 45/10-2 T	60167561	3 x 380-415 Δ	37,0	50,0	62,6		235,5	229,0	221,5	216,0	202,0	166,5	147,0	127,5	106,0	80	80	2110	365	388
NKV 45/10 T	60167562	3 x 380-415 Δ	37,0	50,0	62,6		246,0	239,0	230,5	225,0	212,0	177,0	158,0	139,0	117,0	80	80	2110	365	388
NKV 45/11-2 T	60167563	3 x 380-415 Δ	45,0	60,0	78,4		261,0	254,0	245,5	239,5	224,5	186,0	164,5	143,5	119,0	80	80	2232	365	449
NKV 45/11 T	60167564	3 x 380-415 Δ	45,0	60,0	78,4		271,0	263,5	255,0	249,0	234,5	196,5	175,5	155,0	130,0	80	80	2232	365	449
NKV 45/12-2 T	60167565	3 x 380-415 Δ	45,0	60,0	78,4		285,5	277,5	268,5	261,5	245,5	203,0	179,5	156,5	130,0	80	80	2314	365	453
NKV 45/12 T	60167566	3 x 380-415 Δ	45,0	60,0	78,4		295,5	287,5	277,5	271,0	255,5	213,5	191,0	168,5	142,0	80	80	2314	365	453
NKV 45/13-2 T	60167567	3 x 380-415 Δ	45,0	60,0	78,4		309,5	301,0	291,0	284,0	266,0	220,5	195,0	170,0	142,0	80	80	2396	365	457

NKV 32, 45, 65, 95

MULTISTAGE CENTRIFUGAL PUMPS WITH VERTICAL AXIS

NKV 65

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	30	42	45	54	60	72	78	85					
			kW	HP		Q=l/min	0	500	700	750	900	1000	1200	1300	1417					
NKV 65/2-2 T	60168471	3 x 380-415 Δ	7,5	10,0	14,4	H (m)	39,0	37,5	35,5	35,0	33,0	31	25,0	22,0	17,5	100	100	1266	365	84
NKV 65/2 T	60168472	3 x 380-415 Δ	11,0	15,0	19,7		56,5	51,0	48,5	48,0	46,0	45,0	41,0	38,5	34,5	100	100	1354	365	155
NKV 65/3-2 T	60168473	3 x 380-415 Δ	15,0	20,0	26,7		67,5	63,5	60,5	59,5	56,5	54,0	46,5	42,0	35,5	100	100	1446	365	171
NKV 65/3 T	60168474	3 x 380-415 Δ	18,5	25,0	33		84,5	76,0	72,5	71,5	69,0	67,0	61,5	57,5	51,5	100	100	1490	365	213
NKV 65/4-2 T	60168475	3 x 380-415 Δ	18,5	25,0	33		95,5	88,5	84,0	83,0	79,0	75,5	66,0	60,5	52,0	100	100	1582	365	213
NKV 65/4 T	60168476	3 x 380-415 Δ	22,0	30,0	38,1		113,5	102,5	97,5	96,5	92,5	90,5	83,0	78,0	70,0	100	100	1613	365	255
NKV 65/5-2 T	60168477	3 x 380-415 Δ	30,0	40,0	52,1		125,0	116,0	110,5	109,0	104,5	101,0	90,0	83,0	72,5	100	100	1801	365	471
NKV 65/5 T	60168478	3 x 380-415 Δ	30,0	40,0	52,1		142,0	129,0	122,5	121,0	116,5	114,0	105,0	98,5	88,5	100	100	1801	365	471
NKV 65/6-2 T	60168479	3 x 380-415 Δ	30,0	40,0	52,1		153,0	141,5	134,5	133,0	127,5	123,0	110,0	102,0	89,5	100	100	1893	365	471
NKV 65/6 T	60168480	3 x 380-415 Δ	37,0	50,0	62,6		170,0	154,0	147,0	145,0	139,5	136,0	125,0	117,5	105,5	100	100	1893	365	517
NKV 65/7-2 T	60168481	3 x 380-415 Δ	37,0	50,0	62,6		181,5	166,5	158,5	156,5	150,0	145,0	130,5	120,5	106,5	100	100	1985	365	517
NKV 65/7 T	60168482	3 x 380-415 Δ	45,0	60,0	78,4		199,0	180,5	172,0	169,5	163,5	159,5	147,0	138,0	124,0	100	100	2025	365	653
NKV 65/8-2 T	60168483	3 x 380-415 Δ	45,0	60,0	78,4		210,0	193,0	184,0	181,5	174,0	168,5	152,0	141,5	125,0	100	100	2117	365	653
NKV 65/8 T	60168484	3 x 380-415 Δ	45,0	60,0	78,4		227,0	206,0	196,0	193,5	186,0	181,5	167,0	157,0	141,0	100	100	2117	365	653

NKV 95

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA									DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	45	60	72	78	85	96	108	118					
			kW	HP		Q=l/min	0	750	1000	1200	1300	1417	1600	1800	1967					
NKV 95/2-2 T	60168485	3 x 380-415 Δ	11,0	15,0	19,7	H (m)	44,5	43,0	41,0	38,5	36,5	34	28,5	21,5	15,0	100	100	1354	380	186
NKV 95/2 T	60168486	3 x 380-415 Δ	15,0	20,0	26,7		62,0	55,5	51,5	49,0	47,5	45,0	41,0	35,0	28,5	100	100	1354	380	196
NKV 95/3-2 T	60168487	3 x 380-415 Δ	18,5	25,0	33		75,5	70,5	66,5	62,5	59,5	56,0	48,5	38,5	28,5	100	100	1490	380	217
NKV 95/3 T	60168488	3 x 380-415 Δ	22,0	30,0	38,1		93,5	84,0	78,0	74,0	72,0	69,0	62,5	53,5	44,0	100	100	1521	380	238
NKV 95/4-2 T	60168489	3 x 380-415 Δ	30,0	40,0	52,1		108,0	100,0	94,5	89,0	85,5	81,0	71,5	59,0	46,0	100	100	1708	380	343
NKV 95/4 T	60168490	3 x 380-415 Δ	30,0	40,0	52,1		125,5	112,5	105,0	99,5	96,5	92,5	84,0	72,0	60,0	100	100	1708	380	343
NKV 95/5-2 T	60168491	3 x 380-415 Δ	37,0	50,0	62,6		139,0	127,5	120,0	113,5	109,0	103,5	92,0	76,0	60,0	100	100	1801	380	379
NKV 95/5 T	60168492	3 x 380-415 Δ	37,0	50,0	62,6		156,0	140,0	130,5	123,5	120,0	114,5	104,5	89,0	74,0	100	100	1801	380	379
NKV 95/6-2 T	60168493	3 x 380-415 Δ	45,0	60,0	78,4		170,5	156,0	146,5	138,5	134,0	127,0	113,5	94,5	75,5	100	100	1933	380	455
NKV 95/6 T	60168494	3 x 380-415 Δ	45,0	60,0	78,4		188,0	169,0	157,0	149,0	144,5	138,5	126,0	108,0	89,5	100	100	1933	380	455

SPECIAL VERSION

MODEL
NKV 32 - 45 - 65 - 95

VERSION WITH SPECIAL MECHANICAL SEALS

(1) **Ten. Mecc. SPECIALE tipo E2 =** SIC - SIC - EPDM = Carburo Silicio/Carburo Silicio/AISI 316/EPDM
(2) **Ten. Mecc. SPECIALE tipo V3 =** SIC - SIC - VITON = Carburo Silicio/Carburo Silicio/AISI 316/FKM
(3) **Ten. Mecc. SPECIALE tipo V4 =** SIC - CAR - VITON = Carburo Silicio/Carbone/AISI 316/FKM
(4) **Ten. Mecc. SPECIALE tipo E5 =** WC - WC - EPDM = Carburo Tungsteno/Carburo Tungsteno/AISI 316/EPDM

NOTES

ACCESSORIES FOR CENTRIFUGAL PUMPS

ACCESSORIES

CENTRIFUGAL PUMPS

COUNTERFLANGE KIT	MODEL	CODE	COUNTERFLANGES AND SEALS	THREADED	MATERIAL	PN	NKM-GE - NKP-GE NKM-G- NKP-G	KDNE - KDN
 DN 32	DN 32	109620520	1 x DN 32 +1 x DN 50	THREADED	GALVANIZED STEEL	16	•	•
	DN 40	109620530	1 x DN 40 +1 x DN 65	THREADED	GALVANIZED STEEL	16	•	•
	DN 50	109620540	1 x DN 50 +1 x DN 65	THREADED	GALVANIZED STEEL	16	•	•
	DN 65	109620550	1 x DN 65 +1 x DN 80	THREADED	GALVANIZED STEEL	16	•	•
	DN 32	109620400	1 x DN 32 +1 x DN 50	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 40	109620410	1 x DN 40 +1 x DN 65	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 50	109620420	1 x DN 50 +1 x DN 65	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 50/1	60115139	1 x DN 50 +1 x DN 80	TO BE WELDED	GALVANIZED STEEL	16		•
	DN 65	109620430	1 x DN 65 +1 x DN 80	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 80	109620440	1 x DN 80 +1 x DN 100	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 100	109620450	1 x DN 100 +1 x DN 125	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 125	109620460	1 x DN 125 +1 x DN 150	TO BE WELDED	GALVANIZED STEEL	16	•	•
	DN 150	109620470	1 x DN 150 +1 x DN 200	TO BE WELDED	GALVANIZED STEEL	16 (10 x DN 200)	•	•
	DN 200	109620480	1 x DN 200 +1 x DN 250	TO BE WELDED	GALVANIZED STEEL	16 (10 x DN 200)		•
	DN 250/1	109620500	1 x DN 250 +1 x DN 300	TO BE WELDED	GALVANIZED STEEL	16		•
	DN 300	109620510	1 x DN 300 +1 x DN 350	TO BE WELDED	GALVANIZED STEEL	16		•

The kit comprises suction and delivery counterflanges with the relative seals, screws and nuts required by the size of the pump to which it refers.

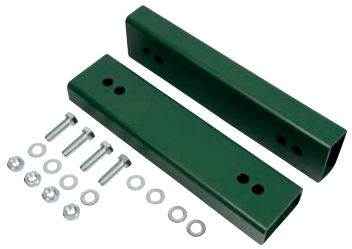
COUNTERFLANGE KIT	MODEL	CODE	COUNTERFLANGES AND SEALS	THREADED	MATERIAL	PN	NKV / NKVE 1-3	NKV / NKVE 6	NKV / NKVE 10	NKV / NKVE 15-20	NKV / NKVE 32	NKV / NKVE 45	NKV / NKVE 65 - 95
 DN 40	DN 25x1"	60197941	2 x DN 25	THREADED	AISI 304 STAINLESS STEEL	25	•						
	DN 32x1" ¼	60197942	2 x DN 32	THREADED	AISI 304 STAINLESS STEEL	25		•					
	DN 40x1" ½	60197927	2 x DN 40	THREADED	AISI 304 STAINLESS STEEL	25			•				
	DN 40x1" ½	60119214	2 x DN 40	THREADED	GALVANIZED STEEL	40			•				
	DN 50x2"	60197931	2 x DN 50	THREADED	AISI 304 STAINLESS STEEL	25				•			
	DN 50x2"	60119215	2 x DN 50	THREADED	STAINLESS STEEL	40				•			
	DN 65x2" ½	60197937	2 x DN 65	THREADED	AISI 304 STAINLESS STEEL	25					•		
	DN 65x2" ½	60163388	2 x DN 65	THREADED	GALVANIZED STEEL	40					•		
	DN 80x3"	60197939	2 x DN 80	THREADED	AISI 304 STAINLESS STEEL	25						•	
	DN 80x3"	60163389	2 x DN 80	THREADED	GALVANIZED STEEL	40						•	
	DN 100x4"	60168815	2 x DN 100	THREADED	GALVANIZED STEEL	25							•

UNIONS	MODEL	CODE	KVCE - KVC	KVCX
	UNIONS MF 1" ¼ (one for DNA and one for DNM)	547820550	•	•

The unions must be ORDERED SEPARATELY. One for Delivery port and one for Suction port.

ACCESSORIES

CENTRIFUGAL PUMPS

SHIMS KIT	MODEL	CODE	For pump type	P2 kW	DIMENSIONS A x B x H mm	NKM-GE NKM-G 4 POLES	NKP-GE NKP-G 2 POLES
 SHIMS KIT NR 5	SHIMS KIT NR 1	147120800	NKM-G 65-315/309/1¼	11	90 x 335 x 65	•	
	SHIMS KIT NR 5	147120840	NKM-G 80-250/270/1¼	11	80 x 290 x 40	•	
	SHIMS KIT NR 2	147120810	NKM-G 80-315/305/15/4	15	90 x 335 x 90	•	
	SHIMS KIT NR 3	147120820	NKM-G 80-315/320/18,5 /4	18,5	100 x 320 x 70	•	
			NKM-G 80-315/334/22/4	22			
	SHIMS KIT NR 1	147120800	NKM-G100-250/250/1¼	11	90 x 335 x 65	•	
			NKM-G100-250/270/15/4	15			
	SHIMS KIT NR 3	147120820	NKM-G100-315/300/18.5 /4	18,5	100 x 320 x 70	•	
			NKM-G100-315/316/22 /4	22			
	SHIMS KIT NR 2	147120810	NKM-G125-250/243/15/4	15	90 x 335 x 90	•	
	SHIMS KIT NR 3	147120820	NKM-G125-250/256/18,5 /4	18,5	100 x 320 x 70	•	
			NKM-G125-250/266/22/4	22			
	SHIMS KIT NR 4	147120830	NKM-G150-200/218/1¼	11	80 X 290 X 120	•	
	SHIMS KIT NR 6	147120850	NKP-G 32-125/142/ 3 /2	3	50 x 100 x 20		•
			NKP-G 32-160/177/5,5/2	5,5			
			NKP-G 40-125/130/ 3 /2	3			
			NKP-G 40-125/139/ 4 /2	4			
			NKP-G 40-160/158/ 5,5 /2	5,5			
			NKP-G 40-160/172/ 7,5 /2	7,5			
	SHIMS KIT NR 7	147120860	NKP-G 40-200/210/1½	11	70 X 332 X 20		•
			NKP-G 40-250/230/15/2	15			
			NKP-G 40-250/245/18.5 /2	18,5			
	SHIMS KIT NR 6	147120850	NKP-G 50-125/135/ 5,5 /2	5,5	50 X 100 X 20		•
			NKP-G 50-125/144/ 7,5 /2	7,5			
	SHIMS KIT NR 7	147120860	NKP-G 50-160/169/1½	11	70 X 332 X 20		•
			NKP-G 50-200/200/15 /2	15			
			NKP-G 50-200/210/18,5 /2	18,5			
			NKP-G 65-160/157/1½	11			
			NKP-G 65-160/173/15 /2	15			
			NKP-G 65-200/190/18,5 /2	18,5			
			NKP-G 80-160/147-127/1½	11			
			NKP-G 80-160/153/15 /2	15			
			NKP-G 80-160/163/18,5 /2	18,5			
	SHIMS KIT NR 8	147120870	NKP-G 80-200/190/30 /2	30	70 X 125 X 20		•

Available on request separately from the pump. Used to level the pump during installation so as to make up for the difference in centreline heights between the pump and the motor.
The kit comprises two shims with dimensions A (width), B (length), H (height) shown in the table.
The shims with a height of over 20 mm are supplied complete with screws, nuts and washers in order to fix them to the pump and motor.

FX

SUBMERSIBLE PUMPS

WHEN THE GOING **GETS TOUGH...**

DAB

WATER•TECHNOLOGY

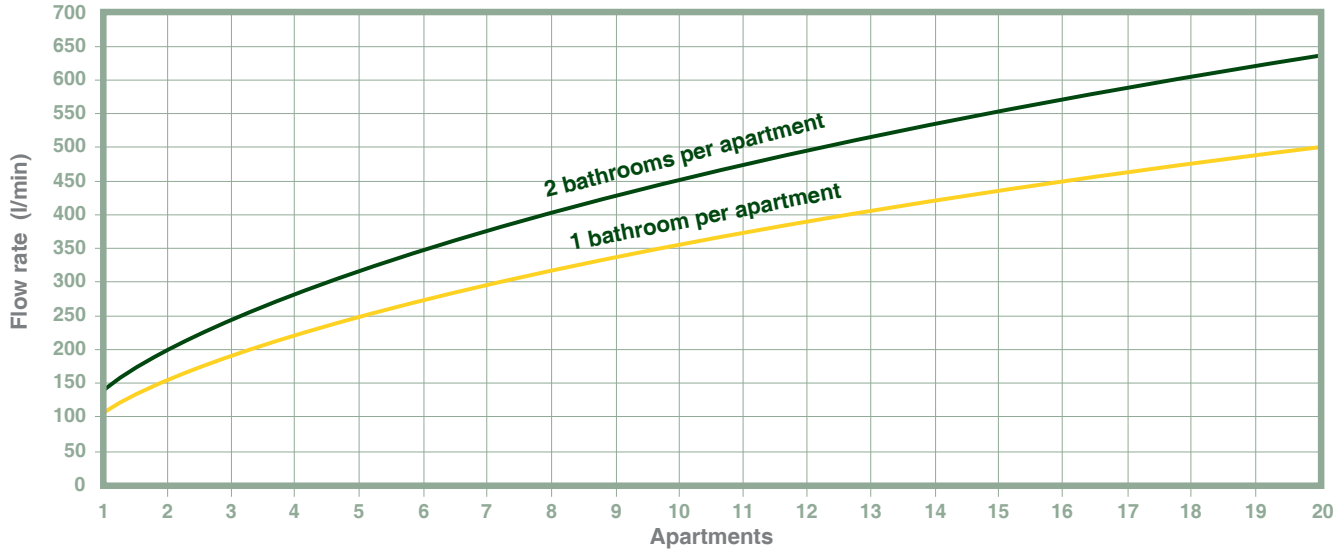
FX.DABPUMPS.COM

INDEX - SUBMERSIBLE PUMPS

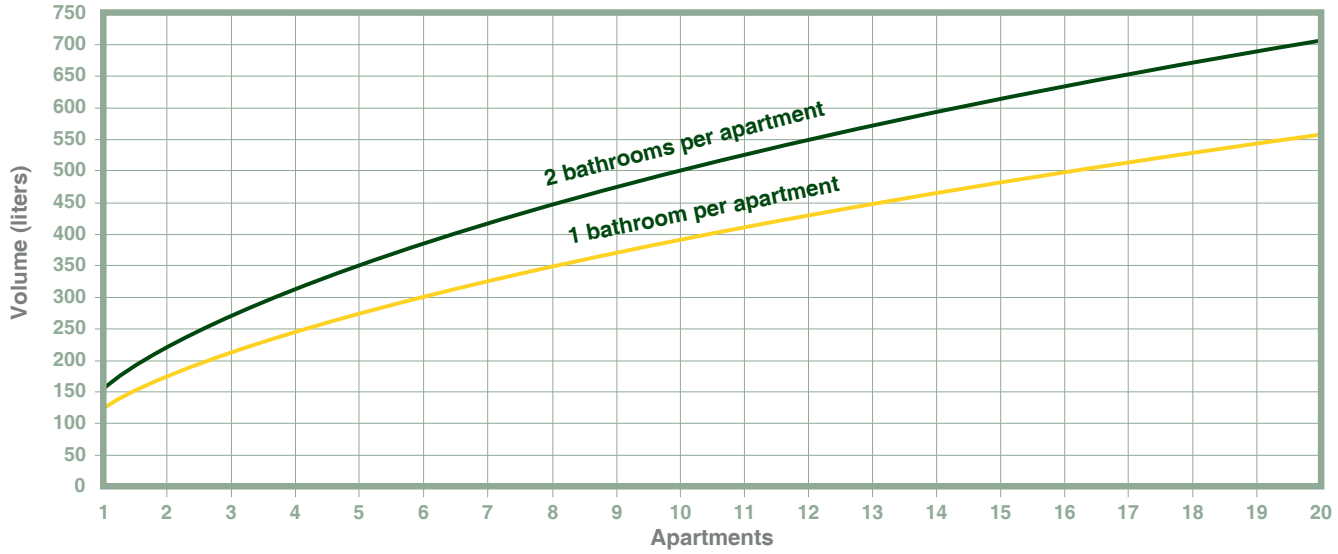
WHICH PUMP DO YOU NEED? FOLLOW THESE STEPS:

CALCULATION OF THE FLOW RATE

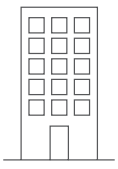
Flow rate curves in relation to the number of apartments.



Stated working volume in the storage tank



EXAMPLE OF SIZING

EXAMPLE	CALCULATION	INDICATIVE SELECTION OF PUMP AND TANK
2 APARTMENTS 2 BATHROOMS EACH 	*Indicative pump flow rate* = **200 l/min** *Approximate volume of the tank* = **250 liters**	 **FEKA VS 550 + FEKAFOS 280**
5 APARTMENTS 2 BATHROOMS EACH 	*Indicative pump flow rate* = **325 l/min** *Approximate volume of the tank* = **350 liters**	 **2x FEKA VS 1000 + FEKAFOS 280 DOUBLE*** * pump will make more starts
15 APARTMENTS 2 BATHROOMS EACH 	*Indicative pump flow rate* = **550 l/min** *Approximate volume of the tank* = **625 liters**	 **2x FEKA FX V 25.11 + FEKAFOS 550 DOUBLE*** * pump will make more starts

The selection was based only on the required flow rate and not on the head, as the head depends on the installation (diameter of piping, distance between tank and ground..).
The head must be calculated in order to ensure correct sizing

WARNING: the calculations and tables shown on these pages are based on our experience and can never replace the calculations made by a qualified technician: they are therefore only intended to give a general, non-binding indication for planning purposes.

NOVA

SUBMERSIBLE PUMP FOR CLEAR WATER

NOVA M-A

NOVA M-NA

Submersible pump for draining drainage water and rain water in domestic and residential applications It is available in automatic version with built-in float switch, or in manual start version.
Its typical application is to empty garages and floors to prevent flooding.
It can also be used for emptying tanks or cisterns and as a portable pump in emergency situations where water needs to be drained from flooded rooms.
The Nova range has been redesigned on the occasion of the forty years of marketing, making it even more reliable, resistant and ergonomic. It has a new treated cable and a new, more compact and efficient motor. The pump body, the impeller and the suction grid are in technopolymer, the motor shaft is in AISI 431 stainless steel, suitable for lightly salty water.
The impeller is treated to prevent corrosion.
Nova is robust and reliable, also thanks to the triple ring seal in oil bath and the submersible continuous duty asynchronous motor.
The stator is inside a hermetic stainless steel casing and the rotor is mounted on oversized ball bearings.
Built-in thermal protection in all single-phase versions.
Maximum dry run time: 1 minute.
In compliance with European standard EN 60335-2-41, the 10-meter power cable is mandatory for the pump in external use.
Minimum draught depth:

- NOVA 180 M A: 90 mm
- NOVA 180 M NA: 8 mm
- NOVA 200 M NA: 8 mm
- NOVA 300 M A: 100 mm
- NOVA 300 M NA: 13 mm
- NOVA 600 M A: 150 mm
- NOVA 600 M NA: 30 mm

Operating range
From 1 to 16 m^3/h with prevalence up to 10,2 m.
Pumped liquid Clean water, rainwater.
Free passage
NOVA 180 and 200: 5 mm;
NOVA 300 and 600: 10 mm.
Liquid temperature range
From 0°C to +35°C for domestic use;
From 0°C to +50°C for other use.
Outlet 1" 1/4 GAS.
Outlet direction Horizontal or vertical.
Impeller Vortex in technopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H05RN-F.
Maximum immersion depth
2 or 7 m depending on the length of the cable.
Possible type of installation
Fixed or mobile in vertical position.

1979-2019 NOVA FEKA 40 YEARS ANNIVERSARY Celebration

PANELS PAGE 290 ACCESSORIES PAGE 285

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA						CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m^3h	0	3	6	9	12			
				kW	HP		Q=l/min	0	50	100	150	200			
NOVA 180 M A 40th 05H05	60195073	1X230 V~	0,19	0,2	0,27	0,9		5	3,2				5m H05	4,6	48
NOVA 180 M A 40th 10H05	60198013	1X230 V~	0,19	0,2	0,27	0,9		5	3,2				10m H05	4,6	48
NOVA 180 M NA 40th 10H05	60195632	1X230 V~	0,19	0,2	0,27	0,9		5	3,2				10m H05	4,6	48
NOVA 200 M NA 40th 10H05	60194402	1X230 V~	0,35	0,22	0,30	1,5		7,1	5,6	4,2	2,8	1,5	10m H05	4,6	48
NOVA 300 M A 40th 05H05	60194400	1X230 V~	0,35	0,22	0,29	1,5		7,2	5,8	4,6	3,4	2,2	5m H05	4,6	48
NOVA 300 M A 40th 10H05	60198014	1X230 V~	0,35	0,22	0,29	1,5	H (m)	7,2	5,8	4,6	3,4	2,2	10m H05	4,6	48
NOVA 600 M A 40th 05H05	60191566	1X230 V~	0,66	0,5	0,67	3,0		10,4	9	7,8	6,7	5,3	5m H05	7	32
NOVA 600 M A 40th 10H05	60198015	1X230 V~	0,66	0,5	0,67	3,0		10,4	9	7,8	6,7	5,3	10m H05	7	32
NOVA 600 M NA 40th 10H05	60195636	1X230 V~	0,66	0,5	0,67	3,0		10,4	9	7,8	6,7	5,3	10m H05	7	32
NOVA 600 T NA 40th 10H07	60196306	3X400 V~	0,66	0,5	0,67	1,7		10,4	9	7,8	6,7	5,3	10m H07	7	32

A: automatic with float.
NA: not automatic without float.
M: mono-phase.
T: three-phase.

NOVA UP

SUBMERSIBLE PUMP FOR CLEAR WATER

NOVA UP M-A

NOVA UP M-NA

Vertical delivery draining pump, available in automatic or manual version, with removable filter for suction of particles up to 5 mm in domestic and residential applications; these features make it a robust pump and increase its versatility of installation.
Technopolymer pump body, impeller, cover and suction grid.
Stainless steel motor, rotor shaft, and bolts and screws.
Threefold seal with interposed rings with oil pre-chamber.
Submersible continuous duty asynchronous motor.
Stator enclosed in airtight stainless steel casing.
The rotor is mounted on oversized permanently lubricated ball bearings.
Built-in thermal-amperometric protection and permanently connected capacitor.
Minimum draught depth:

- NOVA UP 300 M-A 120 mm
- NOVA UP 300 M-NA 60 mm
- NOVA UP 600 M-A 165 mm
- NOVA UP 600 M-NA 70 mm

Operating range
From 1 to 15 m³/h with prevalence up to 10 m.
Pumped liquid Clear water, rainwater.
Free passage 10 mm.
Liquid temperature range
From 0°C to +35°C for domestic use.
Outlet 1" 1/4 GAS.
Outlet direction Vertical.
Impeller Vortex in techopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Maximum immersion depth 7 m.
Power cable type H05RN-F.
Possible type of installation
Fixed or mobile in vertical position.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	13,5			
							Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	225			
NOVA UP 300 M-A	60152305.	1X220-240 V~	0,38	0,21	0,28	1,5	H (m)	7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				10 m	5,8	39
NOVA UP 300 M-NA	60152309.	1X220-240 V~	0,38	0,21	0,28	1,5		7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				10 m	5,6	39
NOVA UP 600 M-A	60152306.	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	10 m	7,3	26
NOVA UP 600 M-NA	60152310.	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	10 m	7,1	26

A: automatic with float
NA: not automatic without float
M: mono-phase.

NOVA UP MAE

SUBMERSIBLE PUMPS WITH ELECTRONIC FLOAT FOR CLEAR WATER

NOVA UP MAE

NOVA UP MAE

Electronic draining pump with adjustable vertical delivery with removable filter for suction of particles up to 5 mm.
It's available in automatic or manual version.
The probe adjustment slider allows to change the pump on-off level, a feature that increases installation versatility.
The vertical delivery and the electronic float switch make it a suitable pump for use in small sumps.
Technopolymer pump body, impeller, cover and suction grid. Stainless steel motor, rotor shaft, and bolts and screws.
Threefold seal with interposed rings with oil pre-chamber.
Submersible continuous duty asynchronous motor.
Stator enclosed in airtight stainless steel casing. The rotor is mounted on oversized permanently lubricated ball bearings. Built-in thermal-amperometric protection and permanently connected capacitor.
Minimum draught depth:

- NOVA UP 300 M-AE: 60 mm
- NOVA UP 600 M-AE: 70 mm

Operating range
From 1 to 15 m³/h with prevalence up to 10 m.
Pumped liquid Clear water, rainwater.
Free passage 10 mm.
Liquid temperature range
From 0°C to +35°C for domestic use.
Outlet 1" 1/4 GAS.
Outlet direction Vertical.
Impeller Vortex in techopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Maximum immersion depth 7 m.
Power cable type H05RN-F.
Possible type of installation
Fixed or mobile in vertical position.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	13,5			
							Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	225			
NOVA UP 300 M-AE	60153572.	1X220-240 V~	0,38	0,21	0,28	1,5	H (m)	7,6	6,9	6,25	5,6	4,7	4,4	3,6	2,8	2,3	1				10 m	5,6	39
NOVA UP 600 M-AE	60153573.	1X220-240 V~	0,77	0,52	0.69	3,5		9,8	9,4	9	8,5	7,7	7,4	6,8	6,2	5,9	4,7	3,9	2	0,3	10 m	7,3	26

M: mono-phase.
AE: automatic with electronic float.

VERTY NOVA

SUBMERSIBLE PUMPS WITH INTEGRATED FLOAT FOR CLEAR WATER

Submersible pumps suitable for pumping clean water, specially designed for small sumps (minimum 20 cm x 20 cm).
Pump with built-in float for use in domestic and residential applications.
Made of corrosion and oxidation resistant materials.
Low start level (10-15 mm in manual mode).
Operation mode selector: manual or automatic.
Easy access to the float for cleaning, thanks to the removable cover.
Motor with thermal overheating protection.
Very efficient motor cooling, allowing the pump to also be used only partially submerged.
Fitted with power input cable with plug, check valve and 4-level connector.

Operating range
From 1 to 10 m^3/h with prevalence up to 9 m.
Pumped liquid Clear water, rainwater.
Free passage 5 mm.
Liquid temperature range
From 0°C to +35°C for domestic use.
Outlet 1" 1/4 GAS.
Outlet direction Vertical.
Impeller Vortex in technopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H05RN-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical position.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m^3h	0	1	2	3	4,5	5	6	7	7,5	9	10			
				kW	HP		Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6			
VERTY NOVA 200 M	60122636H	1X230 V~	0,3	0,2	0,28	1,3	H (m)	6,9	6,5	6	5,8	4,5	4	3	1,8				10 m	4,2	40
VERTY NOVA 400 M	60122637H	1X230 V~	0,6	0,4	0,55	2,6		9	8,8	8,5	8,1	7,8	7	6,7	6	5,7	4,2	3,5	10 m	5,1	40

M: mono-phase.

FEKA

SUBMERSIBLE PUMPS FOR WASTE WATER, CLEAR WATER, GRAY WATER AND RAINWATER

FEKA M-A

FEKA M-NA

Submersible pumps suitable for draining and lifting effluent wastewater and rainwater in residential building service.
The pumps are suitable for fixed or mobile installations and is available in the automatic version with built-in float switch or in the manual version without float.
They can be used for draining flooded basements, cellars and garages, and to prevent flooding when installed in rainwater wells.
They can also be used as a portable pumps in emergencies, to drain water out of flooded rooms where there is mud, leaves or detritus.
The Feka pumps have been redesigned on the occasion of the forty years of marketing, making them even more reliable, resistant and ergonomic.
The pump body, the impeller and the suction grid are in technopolymer, the motor shaft is in AISI 431 stainless steel, suitable for lightly salty water.
Robust and reliable, they have a triple ring seal in oil bath and an asynchronous submersible motor with continuous service.
Stator inserted in a hermetic stainless steel casing and rotor mounted on oversized ball bearings. Cable and impeller nut treated to prevent corrosion. Built-in thermal protection in all single-phase versions. New, more efficient and compact motor.
Maximum dry run time: 1 minute.
In compliance with European standard EN 60335-2-41, the 10-meter power cable is mandatory for the pump in external use.
Minimum draught depth:

- FEKA 300 M A: 150 mm
- FEKA 300 M NA: 30 mm
- FEKA 600 M A: 175 mm
- FEKA 600 M NA: 35 mm

Operating range
From 1 to 16 m^3/h with prevalence up to 7,5 m.
Pumped liquid
Clear and rainwater, gray waters.
Free passage 25 mm.
Liquid temperature range
From 0°C to +35°C for domestic use.
Outlet 1" 1/4 GAS.
Outlet direction Horizontal or vertical.
Impeller Vortex in technopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H05RN-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical position.

1979-2019 NOVA FEKA YEARS ANNIVERSARY Celebration

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA							CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m^3h	0	3	6	9	12	15			
				kW	HP		Q=l/min	0	50	100	150	200	250			
FEKA 300 M A 40th 05H05	60191897	1X230 V~	0,35	0,22	0,30	1,9		6,4	5,5	4,4	3,1	1,6	/	5m H05	4,6	48
FEKA 300 M A 40th 10H05	60198016	1X230 V~	0,35	0,22	0,30	1,9		6,4	5,5	4,4	3,1	1,6	/	10m H05	4,6	48
FEKA 300 M NA 40th 10H05	60195558	1X230 V~	0,35	0,22	0,30	1,9		6,4	5,5	4,4	3,1	1,6	/	10m H05	4,6	48
FEKA 600 M A 40th 05H05	60190343	1X230 V~	0,68	0,5	0,67	3,1	H (m)	8,9	8,2	7,2	6,1	4,7	2,9	5m H05	7	32
FEKA 600 M A 40th 10H05	60198017	1X230 V~	0,68	0,5	0,67	3,1		8,9	8,2	7,2	6,1	4,7	2,9	10m H05	7	32
FEKA 600 M NA 40th 10H05	60194419	1X230 V~	0,68	0,5	0,67	3,1		8,9	8,2	7,2	6,1	4,7	2,9	10m H05	7	32
FEKA 600 T NA 40th 10H07	60196308	3X400 V~	0,68	0,5	0,67	1,8		8,9	8,2	7,2	6,1	4,7	2,9	10m H07	7	32

A: automatic with float.
NA: not automatic without float.
M: mono-phase.
T: three-phase.

FEKA BVP

SUBMERSIBLE PUMPS FOR GRAY WATER AND RAINWATER

Powerful submersible pumps for draining and emptying, for use in domestic and residential applications.
The use of corrosion and oxidation resistant materials makes them suitable for pumping dirty water.
Motor with thermal overheating protection.
Wear-resistant motor shaft and impeller.
Very efficient motor cooling, allowing the pump to also be used only partially submerged.
Automatic version with float switch for automatic pump start and stop, or manual version.
Fitted with power input cable with plug, 3-level connector.
Check valve to be purchased separately.

Operating range
From 1 to 18 m³/h with prevalence up to 12 m.
Pumped liquid
Clear water, rainwater, gray water.
Free passage 38 mm.
Liquid temperature range
From +0°C to +35°C for domestic use.
Outlet 1" 1/2 GAS.
Outlet direction Horizontal or vertical.
Impeller Open in technopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H05RN-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical position.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1	2	3	4,5	5	6	7	7,5	9	10	12	15	18			
							Q=l/min	0	16,6	33,3	50	75	83,3	100	116,6	125	150	166,6	200	250	300			
FEKA BVP 700 M-A	60122690H	1X230 V~	1,0	0,70	0,95	4,6	H (m)	10,5	10	9,9	9,5	8,9	8,8	8,1	7,8	7,5	7	6,1	5,1	4	1,5	10 m	8	27
FEKA BVP 750 M-A	60122691H	1X230 V~	1,1	0,75	1	5,6		12	11,7	11,1	11	10,4	10,1	9,8	9,1	9	8,8	8	7	6	3,6	10 m	8	27

M: mono-phase.
A: automatic with float.

DRENAG 1000, DRENAG 1200

SUBMERSIBLE PUMPS FOR CLEAR, RAINWATER AND SANDY WATER FROM CONSTRUCTION SITES

Submersible pumps suitable for draining rainwater, ground water, sandy construction site water and generally for all types of non aggressive waste waters. The pump body, impeller, motor flange, filter, disc, motor casing, casing with handle and cable compartment cover are made of AISI 304 stainless steel. They have an insulating rubber-coated handle and an AISI 316 stainless steel motor shaft. Drenag pumps have a double mechanical seal with interposed oil chamber (non-toxic oil) in carbon/alumina on the motor side, and silicon silicon/carbon on the pump side. The motor is dry-running, asynchronous, sealed and cooled by the pumped liquid. The rotor is mounted on sealed permanently lubricated ball bearings, oversized and selected for quiet operation and durability. They have thermo-overload protection as standard and a permanently connected capacitor in the single-phase version. The single-phase version can be supplied with float for automatic operation. Power input cable with Schuko plug for the single-phase version. The maximum ambient temperature for using Drenag is +40°C with the motor above water.

Operating range
From 3 to 24 m³/h with prevalence up to 14,2 m.
Pumped liquid
Clear water, rainwater, groundwater, sandy construction site waters, not aggressive waters.
Free passage 10 mm.
Liquid temperature range
From 0°C to +35°C for domestic use;
From 0°C to +50°C for other use.
Outlet 1" 1/2 GAS.
Outlet direction Vertical.
Impeller Vortex in technopolymer.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H05RN-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical or horizontal position.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	3	6	9	12	15	18	24			
							Q=l/min	0	50	100	150	200	250	300	400			
DRENAG 1000 M-A	103041000	1X230 V~	1,29	1	1,36	6	H (m)	15,3	13,7	12,1	10,5	8,7	6,8	4,7		10 m	17	24
DRENAG 1000 M-NA	103041010	1X230 V~	1,29	1	1,36	6		15,3	13,7	12,1	10,5	8,7	6,8	4,7		10 m	17	24
DRENAG 1000 T-NA	103041020	3X400 V~	1,18	1	1,36	2,43		15,3	13,7	12,1	10,5	8,7	6,8	4,7		10 m	17	24
DRENAG 1200 M-A	103041040	1X230 V~	1,85	1,2	1,6	7,5		17	15,4	13,8	12,4	10,7	9	7,3	3,3	10 m	18,5	24
DRENAG 1200 M-NA	103041050	1X230 V~	1,85	1,2	1,6	7,5		17	15,4	13,8	12,4	10,7	9	7,3	3,3	10 m	18,5	24
DRENAG 1200 T-NA	103041060	3X400 V~	1,65	1,2	1,6	3,24		17	15,4	13,8	12,4	10,7	9	7,3	3,3	10 m	18,5	24

M: mono-phase.
T: three-phase.
A: automatic with float.
NA: not automatic without float.

FEKA VS

SUBMERSIBLE PUMPS FOR WASTE WATER AND RAINWATER

FEKA VS

Submersible centrifugal pumps made of stainless steel with vortex impeller made of microcast steel.
They are suitable for lifting sewage water and in general waste water containing solids with a maximum diameter of 50 mm.
Insulating rubber covered handle. AISI 316 stainless steel motor shaft.
They have double mechanical seal with interposed oil chamber (non-toxic oil) in carbon-alumina on the motor side, and silicon carbide/silicon carbide on the pump side.
The seal cover, motor casing, pump body, cover and handle are made of stainless steel.
They are fitted with dry, asynchronous and waterproof motor, cooled by the pumped liquid. Rotor running on permanently lubricated ball bearings, oversized and selected to ensure low noise and durability.
Thermal-overload protection provided as standard for the single-phase version, while for the three-phase version it is the responsibility of the user.
Permanently connected capacitor in the single-phase version.
Construction according to CEI 2-3 / CEI 61-69 (EN 60335-2-41).
The maximum ambient temperature for using Feka VS is +40°C with the motor above water.
Continuous service with liquid temperature +35°C and completely submerged pump.

Operating range
From 3 to 32 m^3/h with prevalence up to 14 m.
Pumped liquid
Non-aggressive sewage water, rainwater.
Free passage 50 mm.
Liquid temperature range
From 0°C to +35°C for domestic use;
From 0°C to +50°C for other use.
Outlet 2" GAS.
Outlet direction Horizontal.
Impeller Vortex in stainless steel.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H07RN-F
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical position.

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FEKA VS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m^3h	0	3	6	9	12	15	18	24	30			
				kW	HP		Q=l/min	0	50	100	150	200	250	300	400	500			
FEKA VS 550 M-A	103040000	1X220 - 240 V~	0,92	0,55	0,75	4,2		7,4	6,9	6,2	5,6	4,1	3,2	1,8			10m H07	13,7	24
FEKA VS 550 M-NA	103040010	1X220 - 240 V~	0,92	0,55	0,75	4,2		7,4	6,9	6,2	5,6	4,1	3,2	1,8			10m H07	13,4	24
FEKA VS 550 T-NA	103040020	3X400 V~	0,90	0,55	0,75	1,64		7,4	6,9	6,2	5,6	4,1	3,2	1,8			10m H07	13,5	24
FEKA VS 750 M-A	103040040	1X220 - 240 V~	1,11	0,75	1	5,13		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9		10m H07	13,8	24
FEKA VS 750 M-NA	103040050	1X220 - 240 V~	1,11	0,75	1	5,13		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9		10m H07	13,4	24
FEKA VS 750 T-NA	103040060	3X400 V~	1,02	0,75	1	1,94		9,6	9,2	8,5	7,6	6,7	5,6	4,3	1,9		10m H07	13,8	24
FEKA VS 1000 M-A	103040080	1X220 - 240 V~	1,46	1	1,36	6,63		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1		10m H07	15,5	24
FEKA VS 1000 M-NA	103040090	1X220 - 240 V~	1,46	1	1,36	6,63		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1		10m H07	15,2	24
FEKA VS 1000 T-NA	103040100	3X400 V~	1,37	1	1,36	2,51		11,8	11,3	10,5	9,8	9,0	8,0	6,8	4,1		10m H07	15,4	24
FEKA VS 1200 M-A	103040120	1X220 - 240 V~	1,93	1,2	1,6	8,63		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4	10m H07	17,1	24
FEKA VS 1200 M-NA	103040130	1X220 - 240 V~	1,93	1,2	1,6	8,63		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4	10m H07	16,9	24
FEKA VS 1200 T-NA	103040140	3X400 V~	1,86	1,2	1,6	3,44		14	13,4	12,8	12,0	11,2	10,1	9,0	6,7	4	10m H07	16,7	24

H (m)

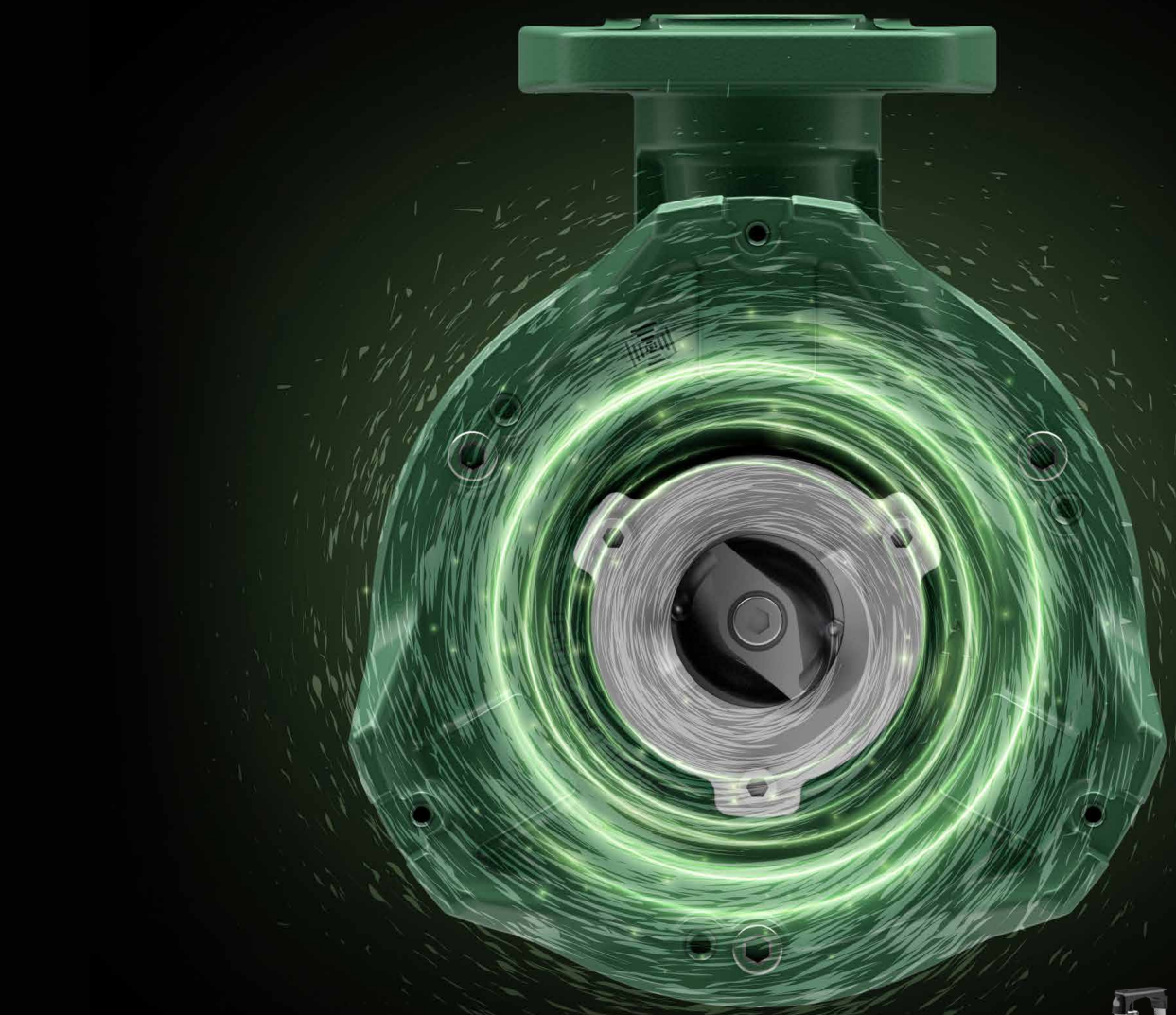
M: mono-phase.
T: three-phase.
A: automatic with float.
NA: not automatic without float.

NEW

FEKA VS GRINDER

PROFESSIONAL PERFORMANCE FOR WASTE WATER

DRAINAGE SEWAGE MACERATORS



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FEKA VS GRINDER

SUBMERSIBLE PUMPS WITH SHREDDER FOR SEWAGE

NEW

FEKA VS GRINDER MA

FEKA VS GRINDER M-NA

Submersible pump with grinder designed for the lifting and transfer of waste water from drains in domestic applications.
The pump is certified to European Union standard EN 12050-1, which applies to lifting systems for waste water containing faecal matter in buildings and building sites.
Thanks to the grinder, the pump is suitable for installations with small diameter pipes or that require high pressures.
The grinding system is made of AISI 630 stainless steel.
Insulating rubber covered handle.
AISI 316 stainless steel motor shaft. It has a double mechanical seal with interposed oil chamber (non-toxic oil) in carbon-alumina on the motor side, and silicon carbide/silicon carbide on the pump side.
The seal cover, motor casing, cover and handle are made of stainless steel.
The pump body and the base are made of cast iron.
It's fitted with dry, asynchronous and waterproof motor, cooled by the pumped liquid.
Rotor running on permanently lubricated ball bearings, oversized and selected to ensure low noise and durability.
Thermal-overload protection provided as standard for the single-phase version, while the three-phase version has thermal protection that can be connected to a control panel.
Permanently connected capacitor in the single-phase version.
Construction according to CEI 2-3 / CEI 61-69 (EN 60335-2-41).

Operating range
From 0 to 14,4 m^3/h with prevalence up to 25 m.
Pumped liquid
Sewage water, gray water.
Liquid temperature range
From 0°C to +40°C.
Outlet
1" 1/2 GAS;
DN 32 and DN 40.
Outlet direction
Horizontal and vertical with curve kit accessory.
Impeller Vortex in cast iron, there is a shredder.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type H07RN8-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed or mobile in vertical or horizontal position.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m^3h	0	2	4	6	8	9	10	11	12	14					
				kW	HP		Q=l/min	0	34	66	100	135	150	168	180	200	240					
FEKA VS GRINDER 1000 MA	60211233H	1 x 230V	1,3	1	1,3	6,4	H (m)	25	23	21	18	14,5	12,8	10,5	9	6,5	0,67	1"1/2 GAS	DN32 PN10/6 DN40 PN6	10 m	23	13
FEKA VS GRINDER 1000 M-NA	60211234H	1 x 230V	1,3	1	1,3	6,2		25	23	21	18	14,5	12,8	10,5	9	6,5	0,67	1"1/2 GAS	DN32 PN10/6 DN40 PN6	10 m	23	13
FEKA VS GRINDER 1000 TNA	60211235H	3 x 400V	1,3	1	1,3	3		25	23	21	18	14,5	12,8	10,5	9	6,5	0,67	1"1/2 GAS	DN32 PN10/6 DN40 PN6	10 m	23	13

MA: automatic mono-phase.
M-NA: not automatic mono-phase.
TNA: not automatic three-phase.

DRENAG FX

SUBMERSIBLE PUMPS FOR DRAINAGE OF SANDY WATER AND WATER FROM CONSTRUCTION SITE

DRENAG FX

Submersible pump for draining drainage water from civil and commercial building drains and ground water or rainwater. It's suitable for applications requiring high head.
The pump is certified according to EN 12050-2 waste water regulation. Suitable for fixed installations with a coupling device or mobile if placed directly on the bottom of the tank.
The reduced dimensions and the threaded and flanged delivery port make it ideal for replacements. Open impeller and anti-wear rubber disc for use even in the presence of abrasive particles.
Double mechanical seal in silicon carbide completely protected in an oil chamber and not in contact with the pumped liquid.
Motor shaft in AISI 431 stainless steel for P2 < 1,2 kW and AISI 304 for P2 > 1,5 kW, resin-fastened cable gland.
The reduced dimensions and the delivery ports both flanged and threaded make it ideal for replacements.
Designed for fast maintenance thanks to a construction solution that provides easy access to the main components of the pump.
Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1,5 kW.
In the three-phase versions, protection is the responsibility of the user. Maximum dry run time: 10 min.
ATEX version available for use in potentially explosive environments (ATEX certifications: II2G Ex db IIB T4 GB).
Special options available on request: cable lengths (20 m or 50 m), frequency (60Hz), different voltages.

Operating range
Up to 30,9 m³/h with prevalence up to 32 m.
Pumped liquid
Clear and rainwater, gray waters and sandy construction site waters.
Free passage 10 mm.
Liquid temperature range
+50°C (+60°C for short time);
+40°C for ATEX version.
Outlet
1" 1/2 GAS;
DN 32 and DN 40.
Outlet direction
Horizontal or vertical with turn accessory kit 1" 1/2.
Impeller Open in cast iron.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type
H07RN8-F, for single phase;
07RN8-F, for three phase.
Maximum immersion depth 7 m.
Possible type of installation
Mobile if put on the ground, fixed on the coupling device.

ONLINE TRAINING

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	3	6	9	12	15	18	21	24	27	30					
							Q=l/min	0	50	100	150	200	250	300	350	400	450	500					
DRENAG FX 15.07 MA	60191219	1x230V	1,1	0,8	1,1	5,1	H (m)	16,2	14,5	12,6	10,5	8,1	5,5	2,8					Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.07 MNA	60191217	1x230V	1,1	0,8	1,1	5,1		16,2	14,5	12,6	10,5	8,1	5,5	2,8					Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.07 TNA	60191218	3x400V	1	0,8	1,1	2,1		16,2	14,5	12,6	10,5	8,1	5,5	2,8					Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.11 MA	60191239	1x230V	1,5	1,2	1,6	6,8		23,3	21,5	19,3	16,7	13,8	10,6	7,3	3,8				Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.11 MNA	60191237	1x230V	1,5	1,2	1,6	6,8		23,3	21,5	19,3	16,7	13,8	10,6	7,3	3,8				Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.11 TNA	60191238	3x400V	1,5	1,2	1,6	2,8		23,3	21,5	19,3	16,7	13,8	10,6	7,3	3,8				Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	35	6
DRENAG FX 15.15 MA	60191257	1x230V	2,3	1,8	2,4	10,6		26,4	24,9	23,1	21,1	18,9	16,6	14,2	11,8	9,5	7,4		Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	38	6
DRENAG FX 15.15 MNA	60191255	1x230V	2,3	1,8	2,4	10,6		26,4	24,9	23,1	21,1	18,9	16,6	14,2	11,8	9,5	7,4		Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	38	6
DRENAG FX 15.15 TNA	60191256	3x400V	2,5	1,8	2,4	4,3		26,4	24,9	23,1	21,1	18,9	16,6	14,2	11,8	9,5	7,4		Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	38	6
DRENAG FX 15.22 TNA	60191277	3x400V	3,1	2,3	3,1	5,2		31,8	30,0	28,2	26,3	24,3	22,1	19,8	17,4	14,8	12,0	9,0	Rp 1"1/2 GAS	DN32 PN10 / 6 DN40 PN6	10 m	39	6

MA: automatic mono-phase.
MNA: not automatic mono-phase.
TNA: not automatic three-phase.

GRINDER FX

SUBMERSIBLE PUMPS WITH SHREDDER FOR SEWAGE

GRINDER FX

Submersible pump with grinder designed for the lifting and transfer of waste water from drains in civil and commercial applications.
It's certified to European Union standard EN 12050-1, which applies to lifting systems for waste water containing faecal matter in buildings and building sites. Pump suitable for fixed installations with coupling device or mobile if placed directly on the bottom of the tank.
Thanks to the grinder, the pump is suitable for installations with small diameter pipes or that require high pressures. The grinding system is made of AISI 630 stainless steel.
Double mechanical seal in silicon carbide completely protected in an oil chamber and not in contact with the pumped liquid. AISI 304 stainless steel motor shaft.
Resin-coated quick-connect cable gland. Ideal pump for replacements, due to its small footprint and both flanged and threaded delivery ports.
Designed to allow quick maintenance, thanks to a construction solution that provides easy access to the main components of the pump.
Single-phase versions with run and start capacitor in the external panel supplied with the product, available with float for automatic operation (MA) with powers up to 1,5 kW.In the three-phase versions, protection is the responsibility of the user. Maximum dry run time: 10 min. ATEX version available for use in potentially explosive environments (ATEX certifications: II2G Ex db IIB T4 GB).
Special options available on request: cable lengths (20 m or 50 m), frequency (60Hz), different voltages.

Operating range
Up to 19,8 m³/h with prevalence up to 33 m.
Pumped liquid
Waters loaded with filamentous bodies, paper or textile material.
Liquid temperature range
+50°C (+60°C for short time);
+40°C for ATEX version.
Outlet
1" 1/2 GAS;
DN 32 e DN 40.
Outlet direction
Horizontal or vertical with turn accessory kit 1" 1/2.
Impeller Vortex in cast iron, there is a shredder.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type
H07RN8-F, for single phase;
07RN8-F, for three phase.
Maximum immersion depth 7 m.
Possible type of installation
Mobile if put on the ground, fixed on the coupling device.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	2,4	4,8	7,2	9,6	12	14,4	16,8	19,2	GAS	DN1			
							Q=l/min	0	40	80	120	160	200	240	280	320					
GRINDER FX 15.07 MA	60191222	1x230V	1,1	0,8	1,1	5,3	H (m)	16,9	15,2	13,4	11,4	9,2	6,7	3,9			Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.07 MNA	60191220	1x230V	1,1	0,8	1,1	5,3		16,9	15,2	13,4	11,4	9,2	6,7	3,9			Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.07 TNA	60191221	3x400V	1	0,8	1,1	2		16,9	15,2	13,4	11,4	9,2	6,7	3,9			Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.11 MA	60191242	1x230V	1,5	1,1	1,5	6,8		24,9	22,6	20,5	18,3	15,9	13,2	10,1	6,3	1,8	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.11 MNA	60191240	1x230V	1,5	1,1	1,5	6,8		24,9	22,6	20,5	18,3	15,9	13,2	10,1	6,3	1,8	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.11 TNA	60191278	3x400V	1,5	1,1	1,5	2,8		24,9	22,6	20,5	18,3	15,9	13,2	10,1	6,3	1,8	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	35	6
GRINDER FX 15.15 MA	60191260	1x230V	2,2	1,6	2,1	9,8		27,3	25,2	23,3	21,4	19,5	17,3	14,8	11,9	8,5	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	38	6
GRINDER FX 15.15 MNA	60191258	1x230V	2,2	1,6	2,1	9,8		27,3	25,2	23,3	21,4	19,5	17,3	14,8	11,9	8,5	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	38	6
GRINDER FX 15.15 TNA	60191259	3x400V	2,1	1,6	2,1	3,8		27,3	25,2	23,3	21,4	19,5	17,3	14,8	11,9	8,5	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	38	6
GRINDER FX 15.22 TNA	60191279	3x400V	2,6	2,1	2,8	4,7		32,8	30,5	28,5	26,5	24,4	22,3	19,9	17,2	14,0	Rp 1"1/2	DN32 PN10 / 6 DN40 PN6	10 m	39	6

MA: automatic mono-phase.
MNA: not automatic mono-phase.
TNA: not automatic three-phase.

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE WATER

FEKA FXV

Submersible pump for draining waste water in civil and commercial applications. It's certified to European Union standard EN 12050-1, which applies to lifting systems for waste water containing faecal matter in buildings and building sites.
Pump suitable for fixed installations with coupling device or mobile if placed directly on the bottom of the tank.
Thanks to its high-efficiency super vortex impeller with integral free passage, Feka FX V is suitable for use with fluids containing long-fibre coarse solids, gases and slurries. AISI 304 motor shaft and resin-coated cable gland with quick coupling. Feka FX V can deliver high flow rates.
Double mechanical seal in silicon carbide completely protected in an oil chamber and not in contact with the pumped liquid.
Resin-coated quick-connect cable gland. Ideal pump for replacements, due to its small footprint and both flanged and threaded delivery ports.
Designed to allow quick maintenance, thanks to a construction solution that provides easy access to the main components of the pump.
Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1,5 kW.
In the three-phase versions, protection is the responsibility of the user. Maximum dry run time: 10 min. ATEX version available for use in potentially explosive environments (ATEX certifications: II2G Ex db IIB T4 GB). Special options available on request: cable lengths (20 m or 50 m), frequency (60Hz), different voltages.

Operating range
From 0 to 59,7 m³/h with prevalence up to 18,5 m.
Pumped liquid
Waters loaded with filamentous bodies, paper or textile material in the presence of domestic or civil waste, gray water, sewage water.
Free passage
FX V 20: 50 mm, FX V 25: 65 mm.
Liquid temperature range
+50°C (+60°C for short time);
+40°C for ATEX version.
Outlet
FX V 20 2" GAS and DN 50;
FX V 25 DN 65.
Outlet direction
Horizontal or vertical with 2" curve accessory kit for FX V 20 and 2" 1/2 curve accessory kit for FX V 25.
Impeller Vortex in cast iron.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type
H07RN8-F, for single phase;
07RN8-F, for three phase.
Maximum immersion depth 7 m.
Possible type of installation
Mobile if put on the ground, fixed on the coupling device.

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FEKA FX V 20

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	6	12	18	24	30	36	42				
							Q=l/min	0	100	200	300	400	500	600	700				
FEKA FXV 20.07 MA	60191210	1x230V	1,4	0,9	1,2	6,4	H (m)	11,7	10,9	9,6	7,7	5,4	2,9			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.07 MNA	60191208	1x230V	1,4	0,9	1,2	6,4		11,7	10,9	9,6	7,7	5,4	2,9			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.07 TNA	60191209	3x400V	1,4	0,9	1,2	2,4		11,7	10,9	9,6	7,7	5,4	2,9			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.11 MA	60191229	1x230V	1,7	1,2	1,6	8		13,1	12,9	11,9	10,1	7,7	4,8			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.11 MNA	60191227	1x230V	1,7	1,2	1,6	8		13,1	12,9	11,9	10,1	7,7	4,8			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.11 TNA	60191228	3x400V	1,6	1,2	1,6	2,9		13,1	12,9	11,9	10,1	7,7	4,8			Rp 2" GAS	50 PN10/6	10 m	35	6
FEKA FXV 20.15 MA	60194185	1x230V	2,3	1,7	2,3	10,5		16,2	15,6	14,4	12,6	10,4	7,7	4,7		Rp 2" GAS	50 PN10/6	10 m	39	6
FEKA FXV 20.15 MNA	60194186	1x230V	2,3	1,7	2,3	10,5		16,2	15,6	14,4	12,6	10,4	7,7	4,7		Rp 2" GAS	50 PN10/6	10 m	39	6
FEKA FXV 20.15 TNA	60191261	3x400V	2,2	1,7	2,3	4		16,2	15,6	14,4	12,6	10,4	7,7	4,7		Rp 2" GAS	50 PN10/6	10 m	39	6
FEKA FXV 20.22 TNA	60191265	3x400V	2,9	2,2	2,9	5		18,5	18,0	17,1	15,9	14,3	12,2	9,7	6,6	Rp 2" GAS	50 PN10/6	10 m	40	6

MA: automatic mono-phase.
M-NA: not automatic mono-phase.
TNA: not automatic three-phase.

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE WATER

FEKA FX V 25

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	6	12	18	24	30	36	42	48	54	GAS	DN1			
				kW	HP		Q=l/min	0	100	200	300	400	500	600	700	800	900					
FEKA FXV 25.07.4 TNA	60191269	3x400V	1	0,7	0,9	2,2		6,3	6,0	5,5	4,8	3,9	2,9	1,8				-	65 PN10/6	10 m	45	6
FEKA FXV 25.12.4 TNA	60191271	3x400V	1,7	1,2	1,6	3		9,0	8,7	8,3	7,8	7,1	6,3	5,4	4,3	3,2	1,9	-	65 PN10/6	10 m	48	6
FEKA FXV 25.07 MA	60196348	1x230V	1,5	1	1,3	6,6		8,8	8,1	7,0	5,7	4,3	3,0	1,8				-	65 PN10/6	10 m	36	6
FEKA FXV 25.07 MNA	60196349	1x230V	1,5	1	1,3	6,6		8,8	8,1	7,0	5,7	4,3	3,0	1,8				-	65 PN10/6	10 m	36	6
FEKA FXV 25.07 TNA	60196351	3x400V	1,3	1	1,3	2,3		8,8	8,1	7,0	5,7	4,3	3,0	1,8				-	65 PN10/6	10 m	36	6
FEKA FXV 25.11 MA	60191243	1x230V	1,7	1,2	1,6	7,6		11,3	10,7	9,6	8,2	6,6	4,9	3,4	2,2			-	65 PN10/6	10 m	37	6
FEKA FXV 25.11 MNA	60191230	1x230V	1,7	1,2	1,6	7,6	H (m)	11,3	10,7	9,6	8,2	6,6	4,9	3,4	2,2			-	65 PN10/6	10 m	37	6
FEKA FXV 25.11 TNA	60191244	3x400V	1,7	1,2	1,6	3		11,3	10,7	9,6	8,2	6,6	4,9	3,4	2,2			-	65 PN10/6	10 m	37	6
FEKA FXV 25.15 MA	60195811	1x230V	2,3	1,7	2,3	10,6		13,7	13,4	12,4	11,0	9,2	7,4	5,5	3,9	2,5		-	65 PN10/6	10 m	43	6
FEKA FXV 25.15 MNA	60194201	1x230V	2,3	1,7	2,3	10,6		13,7	13,4	12,4	11,0	9,2	7,4	5,5	3,9	2,5		-	65 PN10/6	10 m	43	6
FEKA FXV 25.15 TNA	60191263	3x400V	2,2	1,7	2,3	4		13,7	13,4	12,4	11,0	9,2	7,4	5,5	3,9	2,5		-	65 PN10/6	10 m	43	6
FEKA FXV 25.22 TNA	60191267	3x400V	2,8	2,2	2,9	4,9		16,5	16,3	15,6	14,5	13,0	11,3	9,4	7,5	5,6	3,8	-	65 PN10/6	10 m	41	6

MA: automatic mono-phase.
MNA: not automatic mono-phase.
TNA: not automatic three-phase.

FEKA FX C

SUBMERSIBLE PUMPS FOR WASTE WATER

FEKA FXC

Submersible pump for lifting and redirecting waste water in civil and commercial applications.
Certification according to the EN 12050-2 waste water standard. FX C is suitable for effluents and waste water without long fibres, rainwater and ground water.
The pump is also suitable for draining areas subject to flooding, when high flow rates are required. Suitable for fixed installations with a coupling device, or mobile installations if placed directly on the bottom of the tank.
Channel impeller with a free passage of 50 millimetres and anti-seizing system. Double mechanical seal in silicon carbide completely protected in an oil chamber not in contact with the pumped liquid. Motor shaft in AISI 304 stainless steel, resin-coated cable gland, quick-coupling power input cable.
The reduced dimensions and the delivery ports both flanged and threaded make it ideal for replacements.
Designed for fast maintenance thanks to a construction solution that provides easy access to the main components of the pump. Single-phase versions with integrated capacitor, available with float for automatic operation (MA) with powers up to 1,5 kW. In the three-phase versions, protection is the responsibility of the user.
Maximum dry run time: 10 min. ATEX version available for use in potentially explosive environments. (ATEX certifications: II2G Ex db IIB T4 GB). Special options available on request: cable lengths (20 m or 50 m), frequency (60Hz), different voltages.

Operating range
From 0 to 71,4 m³/h with prevalence up to 19,3 m.
Pumped liquid
Waste water, gray water, rainwater and sandy construction site water.
Free passage 50 mm.
Liquid temperature range
+50°C (+60°C for short time);
+40°C for ATEX version.
Outlet
FX C 20: 2" GAS and DN 50
FX C 25: DN 65
Outlet direction
Horizontal or vertical with 2" curve accessory kit for FX C 20 and 2" 1/2 curve accessory kit for FX C 25
Impeller Channel in cast iron.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type
H07RN8-F, for single phase;
07RN8-F, for three phase.
Maximum immersion depth 7 m.
Possible type of installation
Mobile if put on the ground, fixed on the coupling device.

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FEKA FX C 20

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	7	14	22	29	36	43	50	58	65	GAS	DN1			
							Q=l/min	0	120	240	360	480	600	720	840	960	1080					
FEKA FXC 20.07 MA	60191213	1x230V	0,9	0,7	0,9	4,1	H (m)	9,8	8,3	6,7	5,1	3,6	2,4					Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.07 MNA	60191211	1x230V	0,9	0,7	0,9	4,1		9,8	8,3	6,7	5,1	3,6	2,4					Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.07 TNA	60191212	3x400V	0,9	0,7	0,9	1,8		9,8	8,3	6,7	5,1	3,6	2,4					Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.11 MA	60191233	1x230V	1,4	1	1,3	6,3		12,4	10,8	9,3	7,8	6,4	5,0	3,6				Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.11 MNA	60191231	1x230V	1,4	1	1,3	6,3		12,4	10,8	9,3	7,8	6,4	5,0	3,6				Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.11 TNA	60191232	3x400V	1,3	1	1,3	2,6		12,4	10,8	9,3	7,8	6,4	5,0	3,6				Rp 2" GAS	50 PN10/6	10 m	37	6
FEKA FXC 20.15 MA	60191251	1x230V	2	1,5	2,0	9,1		15,3	13,5	11,8	10,2	8,7	7,1	5,7	4,2			Rp 2" GAS	50 PN10/6	10 m	42	6
FEKA FXC 20.15 MNA	60191249	1x230V	2	1,5	2,0	9,1		15,3	13,5	11,8	10,2	8,7	7,1	5,7	4,2			Rp 2" GAS	50 PN10/6	10 m	42	6
FEKA FXC 20.15 TNA	60191250	3x400V	1,8	1,5	2,0	3,5		15,3	13,5	11,8	10,2	8,7	7,1	5,7	4,2			Rp 2" GAS	50 PN10/6	10 m	42	6
FEKA FXC 20.22 TNA	60191273	3x400V	2,8	2,2	2,9	4,9		19,1	17,2	15,5	14,0	12,6	11,2	9,8	8,1	6,2		Rp 2" GAS	50 PN10/6	10 m	43	6

MA: automatic mono-phase.
MNA: not automatic mono-phase.
TNA: not automatic three-phase.

FEKA FX C

SUBMERSIBLE PUMPS FOR WASTE WATER

FEKA FX C 25

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM		CABLE	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	7	14	22	29	36	43	50	58	65	GAS	DN1			
							Q=l/min	0	120	240	360	480	600	720	840	960	1080					
FEKA FXC 25.07 MA	60191216	1x230V	0,9	0,6	0,8	4,1	H (m)	9,4	7,8	6,2	4,6	3,3	2,2	1,4				-	65 PN10/6	10 m	37	6
FEKA FXC 25.07 MNA	60191214	1x230V	0,9	0,6	0,8	4,1		9,4	7,8	6,2	4,6	3,3	2,2	1,4				-	65 PN10/6	10 m	37	6
FEKA FXC 25.07 TNA	60191215	3x400V	0,9	0,6	0,8	1,8		9,4	7,8	6,2	4,6	3,3	2,2	1,4				-	65 PN10/6	10 m	37	6
FEKA FXC 25.11 MA	60191236	1x230V	1,4	1,1	1,5	6,4		11,9	10,3	8,8	7,4	6,0	4,8	3,5	2,4			-	65 PN10/6	10 m	38	6
FEKA FXC 25.11 MNA	60191234	1x230V	1,4	1,1	1,5	6,4		11,9	10,3	8,8	7,4	6,0	4,8	3,5	2,4			-	65 PN10/6	10 m	38	6
FEKA FXC 25.11 TNA	60191235	3x400V	1,4	1,1	1,5	2,6		11,9	10,3	8,8	7,4	6,0	4,8	3,5	2,4			-	65 PN10/6	10 m	38	6
FEKA FXC 25.15 MA	60191254	1x230V	2	1,6	2,1	9,3		15,1	13,5	11,8	10,3	8,8	7,3	5,8	4,5	3,1		-	65 PN10/6	10 m	43	6
FEKA FXC 25.15 MNA	60191252	1x230V	2	1,6	2,1	9,3		15,1	13,5	11,8	10,3	8,8	7,3	5,8	4,5	3,1		-	65 PN10/6	10 m	43	6
FEKA FXC 25.15 TNA	60191253	3x400V	1,9	1,6	2,1	3,6		15,1	13,5	11,8	10,3	8,8	7,3	5,8	4,5	3,1		-	65 PN10/6	10 m	43	6
FEKA FXC 25.22 TNA	60191275	3x400V	2,9	2,3	3,1	5		18,9	16,9	15,2	13,8	12,4	11,1	9,8	8,4	6,9	5,1	-	65 PN10/6	10 m	44	6

MA: automatic mono-phase.
MNA: not automatic mono-phase.
TNA: not automatic three-phase.

FX - ATEX VERSIONS

DRENAG FX, GRINDER FX, FEKA FK V, FEKA FK C

FX series pumps in the ATEX version (ATEX: II2G Ex db IIB T4 GB), are available in 4 configurations (DRENAG, GRINDER, FEKA FX V, FEKA FX C).
These products are supplied with a built-in capacitor in the single-phase version.
In all the models listed below, the management and control panels will be the responsibility of the installer and will not be supplied by DAB.

DRENAG FX

MODEL	CODE
DRENAG FX 15.07 MNA 220-240/50 EX	60194109
DRENAG FX 15.07 TNA 400/50 EX	60194110
DRENAG FX 15.11 MNA 220-240/50 EX	60194160
DRENAG FX 15.11 TNA 400/50 EX	60194161
DRENAG FX 15.15 MNA 220-240/50 EX	60194218
DRENAG FX 15.15 TNA 400/50 EX	60194219
DRENAG FX 15.22 TNA 400/50 EX	60194280

GRINDER FX

MODEL	CODE
GRINDER FX 15.07 TNA 400/50 EX	60194120
GRINDER FX 15.11 TNA 400/50 EX	60194170
GRINDER FX 15.15 TNA 400/50 EX	60194227
GRINDER FX 15.22 TNA 400/50 EX	60191280

FEKA FX V

MODEL	CODE
FEKA FXV 20.07 MNA 220-240/50 EX	60194085
FEKA FXV 20.07 TNA 400/50 EX	60194086
FEKA FXV 20.11 MNA 220-240/50 EX	60194135
FEKA FXV 20.11 TNA 400/50 EX	60194136
FEKA FXV 20.15 MNA 220-240/50 EX	60194187
FEKA FXV 20.15 TNA 400/50 EX	60194189
FEKA FXV 20.22 TNA 400/50 EX	60194248
FEKA FXV 25.07.4 TNA 400/50 EX	60191270
FEKA FXV 25.12.4 TNA 400/50 EX	60191272
FEKA FXV 25.07 MNA 220-240/50 EX	60196350
FEKA FXV 25.07 TNA 400/50 EX	60196352
FEKA FXV 25.11 MNA 220-240/50 EX	60194139
FEKA FXV 25.11 TNA 400/50 EX	60194194
FEKA FXV 25.15 MNA 220-240/50 EX	60194202
FEKA FXV 25.15 TNA 400/50 EX	60194241
FEKA FXV 25.22 TNA 400/50 EX	60194255

FEKA FX C

MODEL	CODE
FEKA FXC 20.07 MNA 220-240/50 EX	60194089
FEKA FXC 20.07 TNA 400/50 EX	60194090
FEKA FXC 20.11 MNA 220-240/50 EX	60194140
FEKA FXC 20.11 TNA 400/50 EX	60194141
FEKA FXC 20.15 MNA 220-240/50 EX	60194203
FEKA FXC 20.15 TNA 400/50 EX	60194204
FEKA FXC 20.22 TNA 400/50 EX	60194267
FEKA FXC 25.07 MNA 220-240/50 EX	60194099
FEKA FXC 25.07 TNA 400/50 EX	60194100
FEKA FXC 25.11 MNA 220-240/50 EX	60194150
FEKA FXC 25.11 TNA 400/50 EX	60194151
FEKA FXC 25.15 MNA 220-240/50 EX	60194211
FEKA FXC 25.15 TNA 400/50 EX	60194212
FEKA FXC 25.22 TNA 400/50 EX	60194274

FK V

SUBMERSIBLE PUMPS FOR SEWAGE

Submersible pumps suitable for pumping waste water and sewage from private and commercial dwellings and municipal sewer networks, in accordance with European standard EN 12050-1.
With full free passage cast iron vortex impeller with new anti-clogging profile, suitable for use with fluids containing long fibre solids, gases and slurries.
Double cartridge mechanical seal as standard in SiC/SiC silicon carbide on the hydraulics side and SiC/C silicon carbide on the motor side, independent of the rotation direction.
Discharge flange available in DN65, DN80, DN100 versions according to EN 1092-1. High efficiency three-phase asynchronous motor with squirrel cage rotor, efficiency class IE3.
Suitable for use with liquids with pH between 6.5 and 12.
Maximum number of starts per hour: 20.
S1 motor for fully submerged continuous operation or S3 for discontinuous operation with minimum immersion levels.
Water infiltration sensor in oil chamber, capable of indicating water infiltrations through the mechanical seal (Optional).
Overtemperature sensors in the motor windings with intervention threshold at 150°C.
Long-life lubricated bearings for a calculated minimum useful life of 50,000 hours.
Stainless steel motor shaft, designed with high fatigue strength.
Nominal power from 1.1 kW to 11 kW. ATEX version available for use in potentially explosive environments.
Maximum installation depth: 20 metres (with cable of appropriate length). For use at liquid temperatures above +40°C, please contact the sales office.

Operating range
From 4,3 to 280 m^3/h with prevalence up to 41 m.
Pumped liquid
Waste water, gray water, dirty water, pretreated waste water, clarified waste water.
Free passage 65 mm, 80 mm o 100 mm depending on the model.
Liquid temperature range
From 0° to +40°C.
Outlet
DN 65, DN 80, DN 100 depending on the model.
Outlet direction
Horizontal and for DN65 also vertical with 2" 1/2 curve kit accessory.
Impeller Vortex in cast iron.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type 10m 07RN8-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed by means of a coupling device or free in vertical position by means of a base.

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NEW MOTORS

The new **premium efficiency motors** drastically reduce energy operation costs.
Given the low running temperatures, it is guaranteed their operation up to 40°C, for higher temperatures please contact the sales department.
Thermal protection is standard and they have an insulation class equal to F.

SINGLE-UNIT CARTRIDGE SEAL

A single-unit cartridge seal is a great advantage for maintenance of the pump as allows the removal and insertion of the seals in less time, having a total guarantee to carry out properly.
It's an **exclusive patent DAB:** a double mechanical seal Sic-Sic with opposite faces, independent from the rotation direction of shaft, with Viton elastomers and leap seal.

NEW NO-CLOGGING VORTEX IMPELLER

The guarantee of operation comes before efficiency.
A new design of the Vortex impellers and the total solid handling are respectively the two guarantees to have no-clogging issues.
Compliant with EN 12050-1

FK V

SUBMERSIBLE PUMPS FOR SEWAGE

FK V 65

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKV 65.11.4 T5	60172586	60176718	60178992
FKV 65 22.2 T5	60171422	60176719	60178993
FKV 65 30.2 T5	60170389	60176720	60176081
FKV 65 40.2 T5	60171423	60172163	60178994

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	8	16	23	31	39	47	55	62	72			
					Q=l/min	0	130	260	390	520	650	780	910	1040	1200			
3x400 V DOL	1,3	1,1	1,5	3,3	H (m)	9,1	8,7	7,7	6,4	4,9	3,4	2,2				65	65	105
3x400 V DOL	2,5	2,2	3	4,8		16,5	14,1	11,4	8,5	5,8	3,5	2,1				65	65	105
3x400 V DOL	3,3	3	4	5,7		21,1	19,3	16,6	13,4	10,0	6,9	4,3	2,6			65	65	105
3x400 V DOL	4,6	4	5,5	7,5		27,2	25,8	23,5	20,6	17,2	13,7	10,3	7,2	4,8	3,0	65	65	147

FK V 80

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKV 80 11.4 T5	60171443	60176715	60178995
FKV 80 15.4 T5	60171444	60176716	60178996
FKV 80 22.4 T5	60170418	60176717	60178997
FKV 80 40.4 T5	60171445	60172165	60178998
FKV 80 40.2 T5	60171424	60172158	60178999
FKV 80 60.2 T5	60171425	60172166	60179000
FKV 80 75.2 T5	60170434	60172167	60179001
FKV 80 92.2 T5	60171426	60172168	60179002
FKV 80 110.2 T5	60170429	60172169	60179003

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	12	24	36	48	60	72	84	96	108			
					Q=l/min	0	200	400	600	800	1000	1200	1400	1600	1800			
3x400 V DOL	1,3	1,1	1,5	3,5	H (m)	7,0	6,3	5,0	3,6	2,1						80	80	114
3x400 V DOL	1,8	1,5	2,0	3,8		9,3	9,0	7,8	6,1	4,2	2,7	1,9				80	80	114
3x400 V DOL	2,5	2,2	3,0	4,7		11,5	11,4	10,5	9,1	7,3	5,4	3,7				80	80	115
3x400 V DOL	4,5	4,0	5,5	9,5		17,5	16,7	15,5	14,0	12,4	10,7	9,0	7,4			80	80	170
3x400 V DOL	4,6	4	5,5	7,7		22,1	20,1	16,5	12,2	8,0	4,6	2,9				80	80	153
3x400 V Y/D	6,9	6	8,2	11,7		29,1	27,5	24,4	20,3	15,7	11,4	7,9				80	80	168
3x400 V Y/D	8,3	7,5	10,2	13,7		32,1	31,2	28,5	24,5	19,9	15,1	10,6	7,1	5,1		80	80	218
3x400 V Y/D	10,2	9,2	12,5	18		35,9	35,5	33,1	29,2	24,4	19,3	14,3	10,2	7,3		80	80	218
3x400 V Y/D	12,1	11	15	21		40,9	40,7	38,7	35,2	30,6	25,6	20,3	15,5	11,4	8,5	80	80	218

FK V 100

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKV 100 30.4 T5	60171446	60172170	60179004
FKV 100 40.4 T5	60171447	60172171	60179005
FKV 100 55.4 T5	60171448	60172172	60179006
FKV 100 75.4 T5	60170428	60172173	60179007

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	15	30	45	60	75	90	105	126	144			
					Q=l/min	0	250	500	750	1000	1250	1500	1750	2100	2400			
3x400 V DOL	3,5	3	4	8	H (m)	11,8	10,9	9,6	8,0	6,2	4,6	3,1				100	100	167
3x400 V DOL	4,5	4	5,5	8,9		14,0	13,1	11,9	10,4	8,8	7,1	5,4	3,9			100	100	167
3x400 V Y/D	6,2	5,5	7,5	11,3		15,9	15,5	14,8	13,7	12,3	10,8	9,2	7,5	5,4		100	100	221
3x400 V Y/D	8,3	7,5	10	14,3		19	18,8	18,3	17,4	16,3	15	13,5	11,9	9,6	7,7	100	100	221

Power input: 3x400V DOL direct start-up, 3x400V Y/D star-delta start-up.
All models are available with 230V power input voltage and Y/D or DOL start-up.
ATEX pumps are also available in IECEX version: code and price on request.

FK C

SUBMERSIBLE PUMPS FOR SEWAGE

Submersible pumps suitable for pumping dirty water, pre-treated sewage, activated sludge and clarified waste water from both private and commercial dwellings, in accordance with European standard EN 12050-1.
It has an open, two-blade, cast-iron channel impeller, making it suitable for use with dirty liquids containing solids free of long fibres with a tendency to lint. Ideal where a high flow rate is required.
Double cartridge mechanical seal as standard in SiC/SiC silicon carbide on the hydraulics side and SiC/C silicon carbide on the motor side, independent of the rotation direction.
Discharge flange available in DN65, DN80, DN100 versions according to EN 1092-1. High efficiency three-phase asynchronous motor with squirrel cage rotor, efficiency class IE3.
Suitable for use with liquids with pH between 6.5 and 12. Maximum number of starts per hour: 20.
S1 motor for fully submerged continuous operation or S3 for discontinuous operation with minimum immersion levels. Water infiltration sensor in oil chamber, capable of indicating water infiltrations through the mechanical seal (Optional).
Overtemperature sensors in the motor windings with intervention threshold at 150°C.
Long-life lubricated bearings for a calculated minimum useful life of 50,000 hours.
Stainless steel motor shaft, designed with high fatigue strength.
Nominal power from 1.1 kW to 11 kW.
ATEX version available for use in potentially explosive environments.
Maximum installation depth: 20 metres (with cable of appropriate length).
For use at liquid temperatures above +40°C, please contact the sales office.

Operating range
From 4,3 to 280 m^3/h with prevalence up to 41 m.
Pumped liquid
Waste water, gray water, dirty water, pretreated waste water, clarified waste water.
Free passage 50 mm, 80 mm o 100 mm depending on the model.
Liquid temperature range
From 0° to +40°C.
Outlet DN 65, DN 80, DN 100, DN 150 depending on the model.
Outlet direction
Horizontal and for DN65 also vertical with 2" 1/2 curve kit accessory.
Impeller Channel in cast iron.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type 10m 07RN8-F.
Maximum immersion depth 7 m.
Possible type of installation
Fixed by means of a coupling device or free in vertical position by means of a base.

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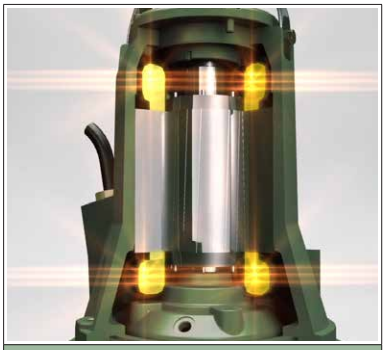


NEW MOTORS

The new **premium efficiency motors** drastically reduce energy operation costs.
Given the low running temperatures, it is guaranteed their operation up to 40°C, for higher temperatures please contact the sales department.
Thermal protection is standard and they have an insulation class equal to F.

PATENTED DAB PATENTED

SINGLE-UNIT CARTRIDGE SEAL

A single-unit cartridge seal is a great advantage for maintenance of the pump as allows the removal and insertion of the seals in less time, having a total guarantee to carry out properly.
It's an **exclusive patent DAB:** a double mechanical seal Sic-Sic with opposite faces, independent from the rotation direction of shaft, with Viton elastomers and leap seal.

EN 12050-1

NEW SINGLE CHANNEL HYDRAULICS

The new high efficiency single-channel hydraulic has been designed especially for continuous wastewater operations with high flow demand and low fibre content.
Compliant with EN 12050-1

FK C

SUBMERSIBLE PUMPS FOR SEWAGE

FK C 65

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKC 65 22.2 T5	60176795	60180431	60180454
FKC 65 30.2 T5	60176857	60180439	60180462

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	9,6	19,2	28,8	38,4	48	57,6	67,2	76,8	90			
					Q=l/min	0	160	320	480	640	800	960	1120	1280	1500			
3x400 V DOL	2,6	2,2	3	4,8	H (m)	20,0	17,1	14,8	12,8	11,2	9,7	8,3	6,8	5,3	2,8	65	50	104
3x400 V DOL	3,4	3	4	5,8		26,5	22,6	19,4	16,7	14,6	12,8	11,2	9,8	8,2	5,8	65	50	104

FK C 80

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKC 80 15.4 T5	60176796	60180432	60180455
FKC 80 22.4 T5	60176858	60180440	60180463
FKC 80 30.4 T5	60176871	60180443	60180466
FKC 80 40.4 T5	60176872	60180444	60180467
FKC 80 55.4 T5	60176854	60180437	60180460
FKC 80 75.4 T5	60176855	60180438	60180461

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	21	42	63	84	105	126	147	168	189			
					Q=l/min	0	350	700	1050	1400	1750	2100	2450	2800	3150			
3x400 V DOL	1,8	1,5	2	3,5	H (m)	8,9	7,4	6,2	5,0	3,8	2,5					80	80	116
3x400 V DOL	2,6	2,2	3	4,7		13,9	11,3	9,3	7,6	6,2	4,7	2,9				80	80	116
3x400 V DOL	3,6	3	4	7,6		13,9	11,8	10,1	8,7	7,4	6,1	4,7	3,0			80	80	183
3x400 V DOL	4,7	4	5,5	8,9		17,4	15,0	13,1	11,5	10,2	8,9	7,6	6,2			80	80	182
3x400 V Y/D	6,3	5,5	7,5	12		21	18,8	16,8	15,1	13,5	12	10,6	9,3	7,9		80	80	235
3x400 V Y/D	8,5	7,5	10	14,1		24,6	21,9	19,7	17,8	16	14,5	13	11,5	9,8	8	80	80	237

FK C 100

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKC 100 15.4 T5	60176859	60180441	60180464
FKC 100 22.4 T5	60176860	60180442	60180465
FKC 100 30.4 T5	60176873	60180445	60180468
FKC 100 40.4 T5	60176874	60180446	60180469
FKC 100 55.4 T5	60176850	60180434	60180457
FKC 100 75.4 T5	60176851	60180435	60180458

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	30	60	90	120	150	180	210	240	288			
					Q=l/min	0	500	1000	1500	2000	2500	3000	3500	4000	4800			
3x400 V DOL	1,8	1,5	2	3,9	H (m)	8,9	6,8	5,0	3,3							100	100	117
3x400 V DOL	2,6	2,2	3	4,7		14,1	10,7	8,1	6,0	3,9						100	100	117
3x400 V DOL	3,3	3	4	7,7		9,8	9,0	7,9	6,8	5,5	4,2	3,0				100	100	190
3x400 V DOL	4,2	4	5,5	8,6		13,1	11,4	9,8	8,3	6,9	5,4	4,0				100	100	190
3x400 V Y/D	5,7	5,5	7,5	11,4		17,4	15,4	13,5	11,8	10,2	8,7	7,1	5,5	3,9		100	100	238
3x400 V Y/D	8,1	7,5	10	14,6		22,5	20,1	18	16	14,2	12,5	10,9	9,2	7,5	4,6	100	100	238

FK C 150

MODEL	STANDARD	OIL SENSOR	Ex (ATEX)
	CODE	CODE	CODE
FKC 150 30.4 T5	60177074	60180448	60180471
FKC 150 40.4 T5	60176875	60180447	60180470
FKC 150 55.4 T5	60176852	60180436	60180459
FKC 150 75.4 T5	60176853	60180433	60180456

ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
VOLTAGE 50 Hz	P1 MAX kW	P2 NOM. kW	P2 NOM. HP	In A	Q=m³h	0	36	72	108	144	180	216	252	288	324			
					Q=l/min	0	600	1200	1800	2400	3000	3600	4200	4800	5400			
3x400 V DOL	3,7	3	4,1	7,8	H (m)	9,7	8,7	7,6	6,3	5,0	3,5	2,1				150	100	193
3x400 V DOL	4,5	4	5,5	8,7		13,3	11,4	9,8	8,1	6,6	5,0	3,3	1,5			150	100	193
3x400 V Y/D	6	5,5	7,5	11,3		17,3	14,8	12,7	10,9	9,3	7,7	6,2	4,7	2,9		150	100	240
3x400 V Y/D	8,4	7,5	10,1	14,7		22,5	19,6	17,2	15	13,1	11,4	9,7	8,1	6,3	4,3	150	100	242

Power input: 3x400V DOL direct start-up, 3x400V Y/D star-delta start-up.
All models are available with 230V power input voltage and Y/D or DOL start-up.
ATEX pumps are also available in IECEX version: code and price on request.

ACCESSORIES AND OPTIONS

RINGSTAND	FKC 65	FKV 65/80	FKC 80 FKV 100	FKC 100/150	DESCRIPTION	CODE	WEIGHT Kg
	●				RINGSTAND Ø325 FK	60170329	10,5
		●			RINGSTAND Ø330 FK	60170330	10,5
			●	● up to 2.2kW	RINGSTAND Ø355 FK	60170331	11,4
				● above 2.2kW	RINGSTAND Ø400 FK	60184584	10,3

MODEL	CODE
CABLE 20MT - 4G1.5+3X1 07RN8-F	on request
CABLE 30MT - 4G1.5+3X1 07RN8-F	on request
CABLE 50MT - 4G1.5+3X1 07RN8-F	on request
CABLE 20MT - 7G2,5+3X1 07RN8-F	on request
CABLE 30MT - 7G2,5+3X1 07RN8-F	on request
CABLE 50MT - 7G2,5+3X1 07RN8-F	on request
OR FKM (VITON®)	on request

GENIX

AUTOMATIC COLLECTOR AND LIFTING UNIT

GENIX

GENIX WL

Indispensable in cases where sewage water from toilet, showers, wash basins or bidets cannot be expelled by gravity.
This is a lifting station that collects and pumps waste water through a small size pipe to the closest public sewer system.
The GENIX models are characterized by the connection for the drainage of sewage water from the WC in the front.
The GENIX WL version differs from the lateral WC attachment, specifically designed for applications with wall-hung sanitary or when there is not enough space behind the toilet. With the 110 model, in addition to a toilet, a further user can also be connected, like the sink. With the 130 model, in addition to the WC it is also possible to connect three additional utilities, such as sink, shower, bidet or bathtub.
A characteristic of the proposed models is their silent operation, further improved in the Comfort versions. The pump is powerful and reliable; the grinder is made of nickel-plated stainless steel.
These components make it durable and virtually maintenance-free.
In the event of a blockage, the extraordinary maintenance required is a clean and hassle-free operation: it is in fact possible, without removing the product, to drain the excess water into a basin and remove the motor assembly. The installation kit is complete with adaptable connections to different pipe diameters with quick connection and integrated non-return valves. Available as accessories an acoustic anti-flooding alarm and an extension adapter tube, to adapt the GENIX to pre-existing installations.

Operating range
Liquid temperature from 0°C to +50°C.
Waste water as regulated by EN 12050-3.
Motor protection degree IP 44.
Motor insulation thermal classification B.
Capacity
Approved for flushing from 6 to 9 liters according to EN12050-3.
Drive Automatic.
Homologation VDE-GS, LGA, VDE-EMC.

ONLINE TRAINING

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							ADDITIONAL INLETS	DNM mm	WEIGHT KG
		VOLTAGE 50 HZ	P2 NOMINAL		In A	Q=m³h	0	0,9	1,8	3	4,2	5,4			
			kW	HP		Q=l/min	0	15	30	50	70	90			
GENIX 110	60165319	1 x 230 V ~	0,32	0,44	2,3	H (m)	8	7,5	6,8	5,2	3,5	1	6	1 (up)	22/25/28/ 32/36/40	10
GENIX 130	60161880	1 x 230 V ~	0,32	0,44	2,3		8	7,5	6,8	5,2	3,5	1	6	2 (side) +1 (up)		10,3
GENIX COMFORT 110	60165322	1 x 230 V ~	0,32	0,44	2,3		8	7,5	6,8	5,2	3,5	1	6	1 (up)		11,2
GENIX COMFORT 130	60165318	1 x 230 V ~	0,32	0,44	2,3		8	7,5	6,8	5,2	3,5	1	6	2 (side) +1 (up)		11,7
GENIX WL 110	60185327	1 x 230 V ~	0,32	0,44	2,3		8	7,5	6,8	5,2	3,5	1	6	1 (up)		10
GENIX WL 130	60185581	1 x 230 V ~	0,32	0,44	2,3		8	7,5	6,8	5,2	3,5	1	6	2 (side) +1 (up)		10,3

ACCESSORIES

	**ACOUSTIC ALARM**	60166477

GENIX

GENIX WL

discover **GENIX**
www.dabpumps.com/genix

GENIX VT

AUTOMATIC COLLECTOR AND LIFTING UNIT

Indispensable in cases where waste water from sinks, showers, washing machines and dishwashers cannot be expelled by gravity. This is a lifting station that collects and pumps waste water through a small size pipe to the closest public sewer system.
In the 110 model it is possible to connect a unit with a high drain such as a sink. With the 130 model, it is possible to connect up to three units even with a low drain such as shower, bidet or bathtub.
The models on offer are characterised by quiet operation and reliability, guaranteed by a powerful motor that allows operation even at high temperatures up to 90°C. In the event of blockage, the extraordinary maintenance required is a clean and hassle-free operation: it is in fact possible, without removing the product, to drain the excess water into a basin and remove the motor assembly.
The installation kit is complete with adaptable connections to different pipe diameters with quick connection and integrated non-return valves. Available as accessories an acoustic anti-flooding alarm, and an extension adapter tube, to adapt the GENIX VT to pre-existing installations.

Operating range
Liquid temperature from 0°C to +75°C up to 90°C for 30 minutes.
Motor protection degree IP 44.
Drive Automatic.
Homologation LGA.

ONLINE TRAINING

MODEL	CODE
GENIX VT 010	60185582
GENIX VT 030	60185583

ELECTRICAL DATA				HYDRAULIC DATA										
VOLTAGE 50 HZ	P2 NOMINAL		In A	Q=m³h	0	0,9	1,8	4,2	5,4	5,7	6,7	H max ACCORDING EN12050-3 (m)	INLETS	DNM mm	WEIGHT KG
	kW	HP		Q=l/min	0	15	30	60	90	110	130				
1 x 230 V ~	0,32	0,44	2,5	H (m)	8,8	8,4	8	6,9	4,8	3,3	1,9	6	1	22/25/28/ 32/36/40	10
1 x 230 V ~	0,32	0,44	2,5		8,8	8,4	8	6,9	4,8	3,3	1,9	6	3		10,3

ACCESSORIES

	**ACOUSTIC ALARM**	60166477

discover **GENIX**
www.dabpumps.com/genix

NOVABOX

AUTOMATIC COLLECTOR AND LIFTING UNIT

Units for the collection and lifting of domestic waste water from bath, sink, shower, and washing machine in basements, or below the sewer network in general.
They consist of a NOVA 300 pump with 5 metre power input cable and plug fitted on a technopolymer plate, 30 litre technopolymer tank, check valve on the delivery.
The lifting unit is delivered ready for use.

Operating range
From 1 to 7,2 m³/h with head up to 6.9 m.

Liquid temperature range
From 0°C to +50°C, up to 90°C for 3 minutes.

Pumped liquid
Clear water, waster water from domestic use.

Motor protection degree IP 68.

Motor insulation class F.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA		WEIGHT KG
		VOLTAGE 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q m³/h	H m	
				kW	HP				
NOVABOX 30/3001 M 40th	60196309	1x220-240 V ~	0,29	0,22	0,3	1,3	1 -7,2	6,3 - 1	9,2

FEKABOX - FEKAFOS RANGE

example

SELLING POINT
Certification according to European law 12050-1 to guarantee the watertight seal from odours and leaks
Light, but resistant to chemical and mechanical stress
Designed for easy installation and maintenance of the pump thanks to the lifting device
Tightening of the lid without the use of screws
The tank material is environmentally friendly, 100% recyclable
Designed with floats and a supplementary floating overflow alarm
The only one on the market that offers a complete professional solution with double pump also for domestic installations where space and cost are contained (FEKAFOS DOUBLE)

FEKABOX 110, 200

AUTOMATIC COLLECTING AND PUMPING STATION FOR ONE PUMP

Automatic collection and lifting stations.
Ideal for the collection and pumping into the sewer network of grey water and domestic drain water of various nature, rainwater and infiltration drains, drains from garages or basements.
The pump installed inside the tank allows the water to be pumped into the sewer when the same cannot be reached by gravity.
Polyethylene tank with plastic cover with seal, ready for the use of only one single-phase automatic pump with float, which must be ordered separately, without the need for a control panel.
The tank offers numerous possibilities for connecting inlet, outlet and ventilation pipes, allowing correct use even in limited spaces.
Fekabox is available in three versions:

- Fekabox 110, with effective capacity of 110 litres, not compatible with the alarm system, inside which it is possible to install the following pumps: FEKA 600 MA, FEKA VS 550 MA, FEKA VS 750 MA.
- Fekabox 200, with effective capacity of 200 litres, inside which it is possible to install the following pumps: FEKA VS 550 MA, FEKA VS 750 MA, FEKA VS 1000 MA, FEKA VS 1200 MA.
- Fekabox 200 FX, with effective capacity of 200 litres, inside which it is possible to install the following pumps: FEKA VS GRINDER, GRINDER FX MA, DRENAG FX MA, FEKA FX V 20 MA, FEKA FX C 20 MA.

COMPONENTS INCLUDED WITH FEKABOX 110:

- Complete pump installation kit.
- Cable gland for single pump.
- 2" F x 1 x 1/4 M fitting for FEKA 600.

COMPONENTS INCLUDED WITH FEKABOX 200:

- 2" PP lifting device and anti-rotation bracket for FEKA VS.
- Cable gland for single pump.
- FEKA VS float cable stop kit.

COMPONENTS INCLUDED WITH FEKABOX 200 FX:

- DA-050 cast iron lifting device.
- Cable gland for single pump.

Operating range
From 1 to 24 m^3/h with prevalence to 9 m for Fekabox 110, 15 m for Fekabox 200.

Pumped liquid
Fekabox 110: black waste water, clear water, rainwater, gray water. Liquids compatible with the EN12050-2 standard.
Fekabox 200, Fekabox 200 FX: soiled waters with filamentous bodies, groundwater, rainwater, clear water, waste water and river or lake water.

Liquid temperature range
From 0°C to +50°C for Fekabox 110;
From 0°C to +45°C for Fekabox 200.

Possible type of installation
Inside or outside the building. Based on the floor, underground or housed.

Tank capacity
Fekabox 110: 110 litres
Fekabox 200: 200 litres

Tank material LLDPE.

SELECTION TABLE PAGE 278
ACCESSORIES PAGE 285

MODEL	CODE	DIMENSIONS mm	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
FEKABOX 110	60164870	650x400x655	FEKA 600 MA, FEKA VS 550-750 MA	3xDN110, 2xDN50 inlet 1xDN50 ventilation 1xDN40 emergency emptying	10,3
FEKABOX 200	60162080	750x600x779	FEKA VS 550-750-1000-1200 M-A	DN 50/110 inlet DN 50 ventilation G2" outlet	23,2
FEKABOX 200 FX	60198414	750x600x779	FEKA VS GRINDER, GRINDER FX MA, DRENAG FX MA, FEKA FXV 20 MA, FEKA FXC 20 MA	DN 50/110 inlet DN 50 ventilation G2" outlet	27

* The price refers to the tanks: pump must be ordered separately.

FEKAFOS 280

AUTOMATIC COLLECTING AND PUMPING STATION FOR ONE PUMP

Collection tanks for domestic waste water from various types of drains or rainwater and infiltration drains, for installations located below the sewer network, such as garages or basements, when the same cannot be reached by gravity.
The pump installed inside the tank allows the water to be pumped into the sewer network. The tank offers numerous possibilities for connecting inlet, outlet and ventilation pipes, allowing correct use even in limited spaces.
A grinding pump for breaking down foreign bodies can also be installed inside, capable of grinding foreign bodies contained in the liquid and eject them to long distances.
The Fekabox range is ready for the use of one single-phase non-automatic pump, or a three-phase pump without float, which must be ordered separately, in conjunction with the control panel.
COMPONENTS INCLUDED:

- DSD2" lifting device and rotation prevention bracket for Feka VS.
- 4 cable glands for single pump and floats.
- Feka VS float cable stop kit.
- 2 floats and alarm float support.

Operating range
From 1 a 48 m³/h with prevalence up to 23 m.
Pumped liquid
Waste water with filamentous bodies, dirty water, ground water, rainwater, gray water and river or lake water.
Liquids compatible with EN 12050-1, EN 12050-2.
Liquid temperature range
From 0°C to +45°C.
Possible type of installation
Inside or outside the building.
Based on the floor, underground or housed.
Tank capacity 280 litres.
Tank material LLDPE.

SELECTION TABLE PAGE 278

MODEL	CODE
FEKAFOS 280 2"	60162044

DIMENSIONS mm	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
750x600x940	FEKA VS 550-750-1000-1200 M-NA/T-NA, FEKA VS GRINDER 1000 MA/ M-NA/T-NA, GRINDER FX MNA/TNA, DRENAG FX MNA/TNA, FEKA FXV 20 MNA/TNA, FEKA FXC 20 MNA/TNA	DN 50/110 inlet DN 50 ventilation G2"outlet	40,5

* The price refers to the tanks, pump and control panel must be ordered separately.

FEKAFOS 280 DOUBLE

AUTOMATIC COLLECTING AND PUMPING STATION FOR TWO PUMPS

Collection tanks for domestic waste water from various types of drains or rainwater and infiltration drains, for installations located below the sewer network, such as garages or basements, when the same cannot be reached by gravity.
The pump installed inside the tank allows the water to be pumped into the sewer network.
The tank offers numerous possibilities for connecting inlet, outlet and ventilation pipes, allowing correct use even in limited spaces.
A grinding pump for breaking down foreign bodies can also be installed inside, capable of grinding foreign bodies contained in the liquid and eject them to long distances.
The Fekabox range is ready for the use of one or two single-phase non-automatic pumps, or three-phase without float, which must be ordered separately, in conjunction with the control panel.
COMPONENTS INCLUDED:

- 2 DSD2" lifting devices and rotation prevention bracket for Feka VS.
- 6 cable glands for double pump and floats.
- 2 Feka VS float cable stop kits.
- 3 floats and alarm float support.

Operating range
From 1 to 36 m³/h with prevalence up to 25 m.
Pumped liquid
Waste water with filamentous bodies, dirty water, ground water, rainwater, gray water and river or lake water.
Liquids compatible with EN 12050-1, EN 12050-2.
Liquid temperature range
From 0°C to +45°C.
Possible type of installation
Inside or outside the building.
Based on the floor, underground or housed.
Tank capacity 280 litres.
Tank material LLDPE.

SELECTION TABLE PAGE 279

MODEL	CODE
FEKAFOS 280 2" DOUBLE	60163426

DIMENSIONS mm	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
750x600x940	FEKA VS 550-750-1000-1200 M-NA/T-NA, FEKA VS GRINDER 1000 MA/ M-NA/T-NA, GRINDER FX MNA/TNA, DRENAG FX MNA/TNA, FEKA FXV 20 MNA/TNA, FEKA FXC 20 MNA/TNA	DN 50/110 inlet DN 50 ventilation G2" outlet	53,7

* The price refers to the tanks, pump and control panel must be ordered separately.

FEKAFOS 550 DOUBLE

AUTOMATIC COLLECTING AND PUMPING STATION FOR TWO PUMPS

Automatic collection and lifting stations, used for the collection and pumping of civil and industrial waste water into the sewer network. They consist of a high density 550 litre polyethylene tank with 2 covers suitable to be walked on (maximum weight 100 kg), fitted with hermetic seals that prevent gases and liquids from escaping. Supplied with 2 lifting devices (DSD2), to facilitate pump maintenance.
The Fekabox range is ready for the use of one or two single-phase non-automatic pumps, or three-phase without float, which must be ordered separately, in conjunction with the control panel.
COMPONENTS INCLUDED:

- 2 DSD2" lifting devices and rotation prevention bracket for Feka VS.
- 6 cable glands for double pump and floats.
- 2 Feka VS float cable stop kits.
- 3 floats and alarm float support.

Operating range
From 1 to 32 m^3/h with prevalence up to 23 m.
Pumped liquid
Waste water with filamentous bodies, dirty water, ground water, rainwater, gray water and river or lake water.
Liquids compatible with EN 12050-1, EN 12050-2.
Liquid temperature range
From 0°C to +45°C.
Possible type of installation
Fixed to the floor if inside, buried if outside.
Not suitable for vehicles, but walkable up to 100 kg.
Tank capacity 550 litres.
Tank material LLDPE.

SELECTION TABLE PAGE 280

MODEL	CODE
FEKAFOS 550 DOUBLE	60166306

DIMENSIONS mm	TO BE USED WITH	DN PIPES [mm]	WEIGHT KG.
770x1200x945	FEKA VS 550-750-1000-1200 M-NA/T, FEKA VS GRINDER 1000 MA/ M-NA/T-NA, GRINDER FX MNA/TNA, DRENAG FX MNA/TNA, FEKA FXV 20 MNA/TNA, FEKA FXC 20 MNA/TNA	2xDN110 inlet 1xDN50 ventilation	94

* The price refers to the tanks, pump and control panel must be ordered separately.

FEKAFOS MAXI 1200, 3600

AUTOMATIC COLLECTING AND PUMPING STATION FOR TWO PUMPS

Automatic collection and lifting stations suitable for lifting drainage and rain water, as well as civil and industrial waste water. They consist of a cylindrical polyethylene monobloc, and an appropriately shaped bottom for the housing of the pumps and for avoiding water stagnation. The upper rectangular opening has polyethylene covers with locking system and smell prevention seals. Tank available in capacities from 1200 l to 3600 l. The tank may also be supplied with valve operation chamber with two gate valves and two check valves. The station is ready for the use of two sewage water pumps, or non-automatic single-phase draining pumps, or three-phase pumps with delivery diameter from DN50 to DN80. The pumps must be ordered separately in combination with the control panel.
For DN50 tanks, the coupling foot is included with Feka VS (accessory 109530080).
To use the FX model with these tanks, accessory 60196199 must be purchased separately.
For DN65 tanks, the coupling foot is included with FX and FK (accessory 60167993).
For DN80 tanks, the coupling foot is included with FX and FK (accessory 60167994).
The GR version has a filtering grille and an anti-intrusion grille.
The CV version has a valve chamber.

Operating range
From 2 to 100 m³/h with prevalence up to 40 m.
Pumped liquid
Waste water with filamentous bodies, dirty water, ground water, rainwater, gray water and river or lake water.
Liquids compatible with EN 12050-1, EN 12050-2.
Liquid temperature range
From 0°C to +50°C.
Possible type of installation
Inside or outside a building, fixed to the floor, underground, walkable, drive-over with a special accessory.
Tank material LLDPE.

STANDARD VERSION		GR VERSION	CAPACITY	NET CAPACITY	TO BE USED WITH	DIMENSIONS mm (L x L x H)	DN PIPES mm	WEIGHT ** KG
MODEL	CODE	CODE	lt	lt				
FEKAFOS 1200 MAXI - DN50	60185601	60190475	1200	800	FEKA VS FEKA VS GRINDER GRINDER FX MNA/TNA DRENAG FX MNA/TNA FEKA FXV 20 MNA/TNA FEKA FXC 20 MNA/TNA	1250 x 1250 x 1420	1x DN125 inlet 2x DN50 outlet 1x DN50 ventilation	140
FEKAFOS 1700 MAXI - DN50	60185602	60190476	1700	1050		1250 x 1250 x 1870		165
FEKAFOS 2200 MAXI - DN50	60185603	60190477	2200	1900		1250 x 1250 x 2320		190
FEKAFOS 3600 MAXI - DN50	60185604	60190478	3600	3100		1250 x 1250 x 3670		285
FEKAFOS 1200 MAXI - DN65	60184840	60190479	1200	800	FK DN65 FEKA FXV 25 MNA/TNA FAKA FXC 25 MNA/TNA	1250 x 1250 x 1420	1x DN160 inlet 2x DN65 outlet 1x DN50 ventilation	170
FEKAFOS 1700 MAXI - DN65	60185605	60190480	1700	1050		1250 x 1250 x 1870		195
FEKAFOS 2200 MAXI - DN65	60184841	60190481	2200	1900		1250 x 1250 x 2320		220
FEKAFOS 3600 MAXI - DN65	60184842	60190482	3600	3100		1250 x 1250 x 3670		315
FEKAFOS 1200 MAXI - DN80	60184843	60190483	1200	800	FK DN80	1250 x 1250 x 1420	1x DN160 inlet 2x DN80 outlet 1x DN50 ventilation	183
FEKAFOS 1700 MAXI - DN80	60185606	60190484	1700	1050		1250 x 1250 x 1870		208
FEKAFOS 2200 MAXI - DN80	60184844	60190485	2200	1900		1250 x 1250 x 2320		233
FEKAFOS 3600 MAXI - DN80	60184845	60190486	3600	3100		1250 x 1250 x 3670		328

CV VERSION		CV + GR VERSION	CAPACITY	NET CAPACITY	TO BE USED WITH	DIMENSIONS mm (L x L x H)	DN PIPES mm	WEIGHT ** KG
MODEL	CODE	CODE	lt	lt				
FEKAFOS 1200 MAXI - DN50	60190464	60190415	1200	800	FEKA VS GRINDER FX MNA/TNA DRENAG FX MNA/TNA FEKA FXV 20 MNA/TNA FEKA FXC 20 MNA/TNA	1250 x 1500 x 1420	1x DN125 inlet 2x DN50 outlet 1x DN50 ventilation	215
FEKAFOS 1700 MAXI - DN50	60190465	60190451	1700	1050		1250 x 1500 x 1870		240
FEKAFOS 2200 MAXI - DN50	60190466	60190452	2200	1900		1250 x 1500 x 2320		265
FEKAFOS 3600 MAXI - DN50	60190413	60190453	3600	3100		1250 x 1500 x 3670		360
FEKAFOS 1200 MAXI - DN65	60190468	60190454	1200	800	FK DN65 FEKA FXV 25 MNA/TNA FAKA FXC 25 MNA/TNA	1250 x 1500 x 1420	1x DN160 inlet 2x DN65 outlet 1x DN50 ventilation	265
FEKAFOS 1700 MAXI - DN65	60190469	60190455	1700	1050		1250 x 1500 x 1870		290
FEKAFOS 2200 MAXI - DN65	60190470	60190456	2200	1900		1250 x 1500 x 2320		315
FEKAFOS 3600 MAXI - DN65	60190471	60190457	3600	3100		1250 x 1500 x 3670		410
FEKAFOS 1200 MAXI - DN80	60190472	60190458	1200	800	FK DN80	1250 x 1500 x 1420	1x DN160 inlet 2x DN80 outlet 1x DN50 ventilation	298
FEKAFOS 1700 MAXI - DN80	60190473	60190460	1700	1050		1250 x 1500 x 1870		323
FEKAFOS 2200 MAXI - DN80	60190474	60190461	2200	1900		1250 x 1500 x 2320		348
FEKAFOS 3600 MAXI - DN80	60190414	60190462	3600	3100		1250 x 1500 x 3670		443

* The price refers to the tanks, pump and control panel must be ordered separately.

** Grid version add 15 Kg

ACCESSORIES

	MODEL	CODE	SUPPLY
	CARRIAGE COVER FRAME D400 1200X1200	60190463	To be installed in external in a reinforced concrete structure appropriately created at street level. - Steel frame for anchoring on reinforced concrete slab. - Cast-iron manhole cover D400 1200x1200. - Elevation and protection extension.

Suitable only for version with valve chamber (CV)

SELECTION TABLES

STATION, PUMP AND CONTROL PANELS

STATION MODEL	CODE	PUMP MODEL	CODE
FEKABOX 110	60164870	**FEKA 600 M A 40th**	60190343
		FEKA VS 550 M-A	103040000
		FEKA VS 750 M-A	103040040
FEKABOX 200	60162080	**FEKA VS 550 M-A**	103040000
		FEKA VS 750 M-A	103040040
		FEKA VS 1000 M-A	103040080
		FEKA VS 1200 M-A	103040120
FEKABOX 200 FX	60198414	**FEKA VS GRINDER 1000 MA**	60211233H
		FEKA FXV 20.07 MA	60191210
		FEKA FXV 20.11 MA	60191229
		FEKA FXV 20.15 MA	60194185
		FEKA FXC 20.07 MA	60191213
		FEKA FXC 20.11 MA	60191233
		FEKA FXC 20.15 MA	60191251
		DRENAG FX 15.07 MA	60191219
		DRENAG FX 15.11MA	60191239
		DRENAG FX 15.15 MA	60191257
		GRINDER FX 15.07 MA	60191222
		GRINDER FX 15.11 MA	60191242
		GRINDER FX 15.15 MA	60191260

FEKABOX 110

FEKABOX 200

Tank and pump are supplied separately and must be ordered separately.

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 280	60162044	**FEKA VS 550 M-NA**	103040010	**ED1M**	60170005	**NGPANEL**	60211088
		FEKA VS 550 T-NA	103040020	**ED1T**	108320330		
		FEKA VS 750 M-NA	103040050	**ED1M**	60170005		
		FEKA VS 750 T-NA	103040060	**ED1T**	108320330		
		FEKA VS 1000 M-NA	103040090	**ED1,5M**	60170006		
		FEKA VS 1000 T-NA	103040100	**ED1,5T**	108320340		
		FEKA VS 1200 M-NA	103040130	**ED1,5M**	60170006		
		FEKA VS 1200 T-NA	103040140	**ED1,5T**	108320340		
		FEKA VS GRINDER 1000 M-NA	60211234H	**TBD**	-		
		FEKA VS GRINDER 1000 T-NA	60211235H	**TBD**	-		
		FEKA FXV 20.07 MNA	60191208	**ED1,5M**	60170006		
		FEKA FXV 20.07 TNA	60191209	**ED1,5T**	108320340		
		FEKA FXV 20.11 MNA	60191227	**ED1,5M**	60170006		
		FEKA FXV 20.11 TNA	60191228	**ED1,5T**	108320340		
		FEKA FXV 20.15 MNA	60194186	**ED2M**	60170007		
		FEKA FXV 20.15 TNA	60191261	**ED2,5T**	108320350		
		FEKA FXV 20.22 TNA	60191265	**ED2,5T**	108320350		
		FEKA FXC 20.07 MNA	60191211	**ED1M**	60170005		
		FEKA FXC 20.07 TNA	60191212	**ED0,75M**	60170003		
		FEKA FXC 20.11 MNA	60191231	**ED1,5M**	60170006		
		FEKA FXC 20.11 TNA	60191232	**ED1,5T**	108320340		
		FEKA FXC 20.15 MNA	60191249	**ED1,5M**	60170006		
		FEKA FXC 20.15 TNA	60191250	**ED1,5T**	108320340		
		FEKA FXC 20.22 TNA	60191273	**ED2,5T**	108320350		
		DRENAG FX 15.07 MNA	60191217	**ED1,5M**	60170006		
		DRENAG FX 15.07 TNA	60191218	**ED1T**	108320330		
		DRENAG FX 15.11 MNA	60191237	**ED1,5M**	60170006		
		DRENAG FX 15.11 TNA	60191238	**ED1,5T**	108320340		
		DRENAG FX 15.15 MNA	60191255	**ED2M**	60170007		
		DRENAG FX 15.15 TNA	60191256	**ED2,5T**	108320350		
		DRENAG FX 15.22 TNA	60191277	**ED2,5T**	108320350		
		GRINDER FX 15.07 MNA	60191220	**ED1M**	60170005		
		GRINDER FX 15.07 TNA	60191221	**ED1T**	108320330		
		GRINDER FX 15.11 MNA	60191240	**ED1,5M**	60170006		
		GRINDER FX 15.11 TNA	60191278	**ED1,5T**	108320340		
		GRINDER FX 15.15 MNA	60191258	**ED2M**	60170007		
		GRINDER FX 15.15 TNA	60191259	**ED1,5T**	108320340		
		GRINDER FX 15.22 TNA	60191279	**ED2,5T**	108320350		

FEKAFOS 280

Tank, pump and control panel are supplied separately and must be ordered separately.

SELECTION TABLES

STATION, PUMP AND CONTROL PANELS

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 280 DOUBLE	60163426	FEKA VS 550 M-NA	103040010	E2D2M	60170021	NGPANEL	60211088
		FEKA VS 550 T-NA	103040020	E2D2T	108320440		
		FEKA VS 750 M-NA	103040050	E2D2M	60170021		
		FEKA VS 750 T-NA	103040060	E2D2T	108320440		
		FEKA VS 1000 M-NA	103040090	E2D3M	60170025		
		FEKA VS 1000 T-NA	103040100	E2D3T	108320450		
		FEKA VS 1200 M-NA	103040130	E2D3M	60170025		
		FEKA VS 1200 T-NA	103040140	E2D3T	108320450		
		FEKA VS GRINDER 1000 M-NA	60211234H	TBD	-		
		FEKA VS GRINDER 1000 T-NA	60211235H	TBD	-		
		FEKA FXV 20.07 MNA	60191208	E2D3M	60170025		
		FEKA FXV 20.07 TNA	60191209	E2D3T	108320450		
		FEKA FXV 20.11 MNA	60191227	E2D3M	60170025		
		FEKA FXV 20.11 TNA	60191228	E2D3T	108320450		
		FEKA FXV 20.15 MNA	60194186	E2D4M	60170027		
		FEKA FXV 20.15 TNA	60191261	E2D3T	108320450		
		FEKA FXV 20.22 TNA	60191265	E2D5T	108320460		
		FEKA FXC 20.07 MNA	60191211	E2D2M	60170021		
		FEKA FXC 20.07 TNA	60191212	E2D1,5M	60170019		
		FEKA FXC 20.11 MNA	60191231	E2D3M	60170025		
		FEKA FXC 20.11 TNA	60191232	E2D3T	108320450		
		FEKA FXC 20.15 MNA	60191249	E2D3M	60170025		
		FEKA FXC 20.15 TNA	60191250	E2D3T	108320450		
		FEKA FXC 20.22 TNA	60191273	E2D5T	108320460		
		DRENAG FX 15.07 MNA	60191217	E2D2M	60170021		
		DRENAG FX 15.07 TNA	60191218	E2D2T	108320440		
		DRENAG FX 15.11 MNA	60191237	E2D3M	60170025		
		DRENAG FX 15.11 TNA	60191238	E2D3T	108320450		
		DRENAG FX 15.15 MNA	60191255	E2D4M	60170027		
		DRENAG FX 15.15 TNA	60191256	E2D5T	108320460		
		DRENAG FX 15.22 TNA	60191277	E2D5T	108320460		
		GRINDER FX 15.07 MNA	60191220	E2D3M	60170025		
		GRINDER FX 15.07 TNA	60191221	E2D3T	108320450		
		GRINDER FX 15.11 MNA	60191240	E2D3M	60170025		
		GRINDER FX 15.11 TNA	60191278	E2D3T	108320450		
		GRINDER FX 15.15 MNA	60191258	E2D4M	60170027		
		GRINDER FX 15.15 TNA	60191259	E2D5T	108320460		
		GRINDER FX 15.22 TNA	60191279	E2D5T	108320460		

FEKAFOS 280 DOUBLE

Tank, pump and control panel are supplied separately and must be ordered separately.

When selecting a control panel other than NGPANEL, refer to the pump & control panel selection table in the electrical panel section.

SELECTION TABLES

STATION, PUMP AND CONTROL PANELS

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE	CONTROL PANEL MODEL	CODE
FEKAFOS 550 DOUBLE	60166306	FEKA VS 550 M-NA	103040010	E2D2M	60170021	NGPANEL	60211088
		FEKA VS 550 T-NA	103040020	E2D2T	108320440		
		FEKA VS 750 M-NA	103040050	E2D2M	60170021		
		FEKA VS 750 T-NA	103040060	E2D2T	108320440		
		FEKA VS 1000 M-NA	103040090	E2D3M	60170025		
		FEKA VS 1000 T-NA	103040100	E2D3T	108320450		
		FEKA VS 1200 M-NA	103040130	E2D3M	60170025		
		FEKA VS 1200 T-NA	103040140	E2D3T	108320450		
		FEKA VS GRINDER 1000 M-NA	60211234H	TBD	-		
		FEKA VS GRINDER 1000 T-NA	60211235H	TBD	-		
		FEKA FXV 20.07 MNA	60191208	E2D3M	60170025		
		FEKA FXV 20.07 TNA	60191209	E2D3T	108320450		
		FEKA FXV 20.11 MNA	60191227	E2D3M	60170025		
		FEKA FXV 20.11 TNA	60191228	E2D3T	108320450		
		FEKA FXV 20.15 MNA	60194186	E2D4M	60170027		
		FEKA FXV 20.15 TNA	60191261	E2D3T	108320450		
		FEKA FXV 20.22 TNA	60191265	E2D5T	108320460		
		FEKA FXC 20.07 MNA	60191211	E2D2M	60170021		
		FEKA FXC 20.07 TNA	60191212	E2D1,5M	60170019		
		FEKA FXC 20.11 MNA	60191231	E2D3M	60170025		
		FEKA FXC 20.11 TNA	60191232	E2D3T	108320450		
		FEKA FXC 20.15 MNA	60191249	E2D3M	60170025		
		FEKA FXC 20.15 TNA	60191250	E2D3T	108320450		
		FEKA FXC 20.22 TNA	60191273	E2D5T	108320460		
		DRENAG FX 15.07 MNA	60191217	E2D2M	60170021		
		DRENAG FX 15.07 TNA	60191218	E2D2T	108320440		
		DRENAG FX 15.11 MNA	60191237	E2D3M	60170025		
		DRENAG FX 15.11 TNA	60191238	E2D3T	108320450		
		DRENAG FX 15.15 MNA	60191255	E2D4M	60170027		
		DRENAG FX 15.15 TNA	60191256	E2D5T	108320460		
		DRENAG FX 15.22 TNA	60191277	E2D5T	108320460		
		GRINDER FX 15.07 MNA	60191220	E2D3M	60170025		
		GRINDER FX 15.07 TNA	60191221	E2D3T	108320450		
		GRINDER FX 15.11 MNA	60191240	E2D3M	60170025		
		GRINDER FX 15.11 TNA	60191278	E2D3T	108320450		
		GRINDER FX 15.15 MNA	60191258	E2D4M	60170027		
		GRINDER FX 15.15 TNA	60191259	E2D5T	108320460		
		GRINDER FX 15.22 TNA	60191279	E2D5T	108320460		

FEKAFOS 550 DOUBLE

Tank, pump and control panel are supplied separately and must be ordered separately.
When selecting a control panel other than NGPANEL, refer to the pump & control panel selection table in the electrical panel section.

SELECTION TABLES

STATION, PUMP AND CONTROL PANELS

FEKAFOS MAXI 1200, 3600

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE	CONTROL PANEL MODEL	CODE
		FEKA VS 550 M-NA	103040010	E2D2M	60170021		
		FEKA VS 550 T-NA	103040020	E2D2T	108320440		
		FEKA VS 750 M-NA	103040050	E2D2M	60170021		
		FEKA VS 750 T-NA	103040060	E2D2T	108320440		
		FEKA VS 1000 M-NA	103040090	E2D3M	60170025		
		FEKA VS 1000 T-NA	103040100	E2D3T	108320450		
		FEKA VS 1200 M-NA	103040130	E2D3M	60170025		
		FEKA VS 1200 T-NA	103040140	E2D3T	108320450		
		FEKA VS GRINDER 1000 M-NA	60211234H	TBD	-		
		FEKA VS GRINDER 1000 T-NA	60211235H	TBD	-		
		FEKA FXV 20.07 MNA	60191208	E2D3M	60170025		
		FEKA FXV 20.07 TNA	60191209	E2D3T	108320450		
		FEKA FXV 20.11 MNA	60191227	E2D3M	60170025		
		FEKA FXV 20.11 TNA	60191228	E2D3T	108320450		
		FEKA FXV 20.15 MNA	60194186	E2D4M	60170027		
		FEKA FXV 20.15 TNA	60191261	E2D3T	108320450		
FEKAFOS MAXI 1200 - DN50	60185601	FEKA FXV 20.22 TNA	60191265	E2D5T	108320460		
		FEKA FXC 20.07 MNA	60191211	E2D2M	60170021		
FEKAFOS MAXI 1700 - DN50	60185602	FEKA FXC 20.07 TNA	60191212	E2D1,5M	60170019		
		FEKA FXC 20.11 MNA	60191231	E2D3M	60170025	NGPANEL	60211088
FEKAFOS MAXI 2200 - DN50	60185603	FEKA FXC 20.11 TNA	60191232	E2D3T	108320450		
		FEKA FXC 20.15 MNA	60191249	E2D4M	60170027		
FEKAFOS MAXI 3600 - DN50	60185604	FEKA FXC 20.15 TNA	60191250	E2D3T	108320450		
		FEKA FXC 20.22 TNA	60191273	E2D5T	108320460		
		DRENAG FX 15.07 MNA	60191217	E2D2M	60170021		
		DRENAG FX 15.07 TNA	60191218	E2D2T	108320440		
		DRENAG FX 15.11 MNA	60191237	E2D3M	60170025		
		DRENAG FX 15.11 TNA	60191238	E2D3T	108320450		
		DRENAG FX 15.15 MNA	60191255	E2D4M	60170027		
		DRENAG FX 15.15 TNA	60191256	E2D5T	108320460		
		DRENAG FX 15.22 TNA	60191277	E2D5T	108320460		
		GRINDER FX 15.07 MNA	60191220	E2D3M	60170025		
		GRINDER FX 15.07 TNA	60191221	E2D3T	108320450		
		GRINDER FX 15.11 MNA	60191240	E2D3M	60170025		
		GRINDER FX 15.11 TNA	60191278	E2D3T	108320450		
		GRINDER FX 15.15 MNA	60191258	E2D4M	60170027		
		GRINDER FX 15.15 TNA	60191259	E2D5T	108320460		
		GRINDER FX 15.22 TNA	60191279	E2D5T	108320460		

Tank, pump and control panel are supplied separately and must be ordered separately.
When selecting a control panel other than NGPANEL, refer to the pump & control panel selection table in the electrical panel section.

SELECTION TABLES

STATION, PUMP AND CONTROL PANELS

FEKAFOS MAXI 1200, 3600

STATION MODEL	CODE	PUMP MODEL	CODE	CONTROL PANEL MODEL	CODE	CONTROL PANEL MODEL	CODE
		FEKA FXV 25.07.4 TNA	60191269	E2D3M	60170025		
		FEKA FXV 25.12.4 TNA	60191271	E2D3T	108320450		
		FEKA FXV 25.07 MNA	60196349	E2D3M	60170025		
		FEKA FXV 25.07 TNA	60196351	E2D3T	108320450		
		FEKA FXV 25.11 MNA	60191230	E2D4M	60170027		
		FEKA FXV 25.11 TNA	60191244	E2D5T	108320460		
		FEKA FXV 25.15 MNA	60194201	E2D5T	108320460		
		FEKA FXV 25.15 TNA	60191263	E2D3T	108320450		
FEKAFOS 1200 MAXI - DN65	60184840	FEKA FXV 25.22 TNA	60191267	E2D3T	108320450		
		FEKA FXC 25.07 MNA	60191214	E2D3M	60170025		
FEKAFOS 1700 MAXI - DN65	60185605	FEKA FXC 25.07 TNA	60191215	E2D1,5M	60170019		
FEKAFOS 2200 MAXI - DN65	60184841	FEKA FXC 25.11 MNA	60191234	E2D4M	60170027		
		FEKA FXC 25.11 TNA	60191235	E2D5T	108320460		
FEKAFOS 3600 MAXI - DN65	60184842	FEKA FXC 25.15 MNA	60191252	E2D5T	108320460	NGPANEL	60211088
		FEKA FXC 25.15 TNA	60191253	E2D3T	108320450		
		FEKA FXC 25.22 TNA	60191275	E2D3T	108320450		
		FKV 65.11.4 T5 400D	60172586	E2D3T	108320450		
		FKV 65 22.2 T5 400D	60171422	E2D5T	108320460		
		FKV 65 30.2 T5 400D	60170389	E2D5T	108320460		
		FKV 65 40.2 T5 400D	60171423	E2D8T	60170062		
		FKC 65 22.2 T5 400D	60176795	E2D5T	108320460		
		FKC 65 30.2 T5 400D	60176857	E2D5T	108320460		
		FKV 80 11.4 T5 400D	60171443	E2D3T	108320450		
		FKV 80 15.4 T5 400D	60171444	E2D5T	108320460		
		FKV 80 22.4 T5 400D	60170418	E2D5T	108320460		
		FKV 80 40.4 T5 400D	60171445	E2D8T	60170062		
		FKV 80 40.2 T5 400D	60171424	E2D8T	60170062		
FEKAFOS 1200 MAXI - DN80	60184843	FKV 80 60.2 T5 400Y/D	60171425	E2D15T SD	60170047	-	-
FEKAFOS 1700 MAXI - DN80	60185606	FKV 80 75.2 T5 400Y/D	60170434	E2D22T SD	60202365	-	-
		FKV 80 92.2 T5 400Y/D	60171426	E2D30T SD	60170065	-	-
FEKAFOS 2200 MAXI - DN80	60184844	FKV 80 110.2 T5 400Y/D	60170429	E2D30T SD	60170065	-	-
		FKC 80 15.4 T5 400D	60176796	E2D3T	108320450		
FEKAFOS 3600 MAXI - DN80	60184845	FKC 80 22.4 T5 400D	60176858	E2D5T	108320460	NGPANEL	60211088
		FKC 80 30.4 T5 400D	60176871	E2D8T	60170062		
		FKC 80 40.4 T5 400D	60176872	E2D8T	60170062		
		FKC 80 55.4 T5 400Y/D	60176854	E2D15T SD	60170047	-	-
		FKC 80 75.4 T5 400Y/D	60176855	E2D30T SD	60170065	-	-

Tank, pump and control panel are supplied separately and must be ordered separately.
When selecting a control panel other than NGPANEL, refer to the pump & control panel selection table in the electrical panel section.

NOVAIR

SUBMERSIBLE AERATOR

Submerged aerator designed for the aeration of sewage in small purification systems.
Further uses are in the oxygenation of garden ponds and fresh water fish farms.
Thanks to its design, Novair ensures optimal oxygenation of purification systems by creating a large and dense cloud of fine bubbles.
The fluid-dynamic study was particularly focused on the profile of the blade of the impeller, to make sure that its start would not damage the micro-organisms in the liquid. Due to its installation in a vertical position, the aerator body is fitted with a support base.
From a technical point of view, the cooling of the motor is ensured by large contact surfaces between the motor casing and the liquid.
In addition to being resin-coated to ensure operation even in the presence of moisture and possible seepage, the wiring of the power input cable has been made easier to simplify maintenance activities and the replacement of the same.
The steel motor shaft with ceramic treated bushing in the area of the seal rings guarantees high wear resistance and extended product life. Technopolymer pump body, wiring cover, and impellers.
Complete with gasket and 90° barb bend for vertical inlet.

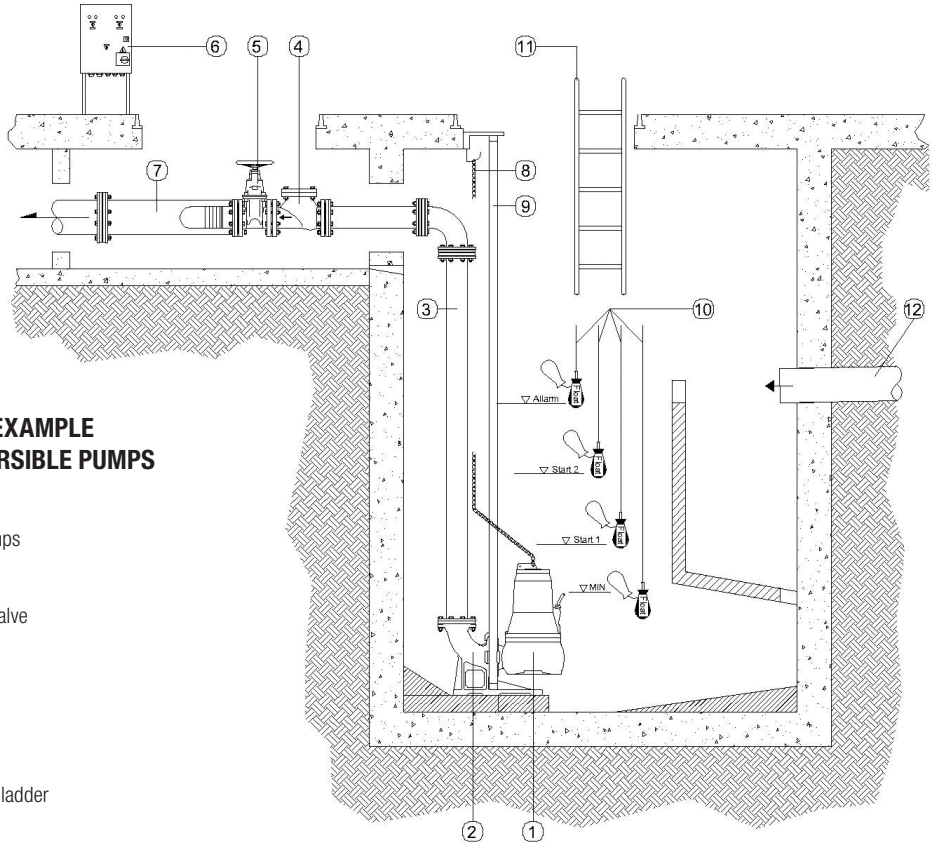
Operating range
Air flow between 2 and 17 m³/h for a depth of 20 to 90 cm.
Pumped liquid
Gray water, clear water, waste water without suspended solid bodies.
Liquid temperature range
From 0°C to +35°C for domestic use.
Compatible with the EN 60335-2-41.
Motor protection degree IP 68.
Motor insulation thermal classification F.
Power cable type
H07RNF8-F of 2 m, 5 m and 10 m, with SCHUKO plug option.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										AIR DELIVERY MAX m³/h	DEPTH		DNM GAS	CABLE	WEIGHT Kg	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q aria m³/h l/min	1	2	3	4	6	8	10	12	14	17,5		MAX cm	MIN cm				
				kW	HP		Prof. (cm)	16,6	33,3	50	66,6	100	133,3	166,6	200	233,3	291,6							
NOVAIR 200 M-NA	60168124H	1X220- 240 V~	0,28	0,18	0,24	1,4		80	60	45	30	20						8	80	20	1"	2 mt / H07RN8-F	3,5	32
NOVAIR 200 M-NA	60169563H	1X220- 240 V~	0,28	0,18	0,24	1,4		80	60	45	30	20						8	80	20	1"	5 mt / H07RN8-F	3,5	32
NOVAIR 200 M-NA	60172219H	1X220- 240 V~	0,28	0,18	0,24	1,4		80	60	45	30	20						8	80	20	1"	10 mt / H07RN8-F	3,5	32
NOVAIR 600 M-NA	60171450H	1X220- 240 V~	0,63	0.40	0,54	3		90	85	75	65	57	50	42,5	34	27	20	17.5	90	20	1 ¼"	2 mt / H07RN8-F	5,4	32
NOVAIR 600 M-NA	60170247H	1X220- 240 V~	0,63	0.40	0,54	3		90	85	75	65	57	50	42,5	34	27	20	17.5	90	20	1 ¼"	5 mt / H07RN8-F	5,4	32
NOVAIR 600 M-NA	60170078H	1X220- 240 V~	0,63	0.40	0,54	3		90	85	75	65	57	50	42,5	34	27	20	17.5	90	20	1 ¼"	10 mt / H07RN8-F	5,4	32

NOTES

ACCESSORIES FOR PUMPING STATIONS, PROTECTION AND CONTROL PANELS

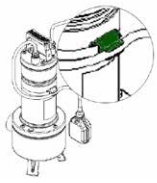
PUMPING STATIONS ACCESSORIES

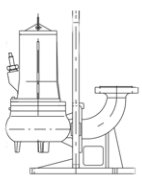


INSTALLATION EXAMPLE OF TWO SUBMERSIBLE PUMPS

KEY:

1 Submersible pumps
2 Base elbow
3 Discharge pipe
4 Non-return ball valve
5 Gate valve
6 Control panel
7 Manifold
8 Lifting chain
9 Drop pipe
10 Level switches
11 Sump inspection ladder
12 Intake pipe

FLOATS	NOVA	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
		●			●	**FLOAT CABLE STOP KIT FOR FEKA VS**	147121370

LIFTING DEVICES	NOVA/FEKA DRENAG	FEKA VS	FX	FEKA 6000/8000	FEKABOX / FEKAFOS	DESCRIPTION	CODE
		●				**LIFTING DEVICE FOR FEKA VS 550-1200**	109530080
		●				**ANTIROTATION BRACKET FOR FEKA VS**	147121490
				●		**LIFTING UNIT FOR FEKA 6000 DN 150**	109530150
				●		**LIFTING UNIT FOR FEKA 8000 DN 200**	60141748

Guide tubes not included.

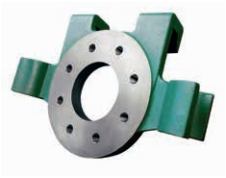
PUMPING STATIONS ACCESSORIES

COUPLING UNIT	NOVA/FEKA DRENAG	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
			●			DA-050 HORIZONTAL COUPLING UNIT DN32 DN40 DN50	60195865
			●	●		DA-065 HORIZONTAL COUPLING UNIT DN65	60170310
			●	●		DA-V65 COUPLING UNIT DN65	60167993
				●		DA-V80 COUPLING UNIT DN80	60167994
				●		DA-V100 COUPLING UNIT DN100	60169609
				●		DA-V150 COUPLING UNIT DN150	60169610

RINGSTAND	NOVA/FEKA DRENAG	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
				●		RINGSTAND Ø325 FK	60170329
				●		RINGSTAND Ø330 FK	60170330
				●		RINGSTAND Ø355 FK	60170331
				●		RINGSTAND Ø400 FK	60184584

SHACKLE KITS	NOVA/FEKA DRENAG	FEKA VS/ FEKA VS GRINDER	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
	●	●	●	●	●	KIT CHAIN W/SHACKLE 3MT A316 MAX 150KG	60171183
						KIT CHAIN W/SHACKLE 3MT A316 MAX 350KG	60178908
						KIT CHAIN W/SHACKLE 3MT A316 MAX 700KG	60171189

PUMPING STATIONS ACCESSORIES

ADAPTERS	FEKA VS GRINDER	DRENAG FX/ GRINDER FX	FEKA FXV	FEKA FXC	FK	DESCRIPTION	CODE
					●	FLYGT COUPLING ADAPTER DN65	60169712
					●	FLYGT COUPLING ADAPTER DN80	60169713
					●	FLYGT COUPLING ADAPTER DN100	60169715
					●	FLYGT COUPLING ADAPTER DN150	60169717
			●	●		COUPLING SYSTEM ADAPTOR FX - FLYGT DN50	60196203
	●	●	●	●		COUPLING SYSTEM ADAPTOR FX GRINDER – FEKA DN32 DN40 DN50	60196199
					●	COUPLING SYSTEM ADAPTOR FK65 FEKA 2500	60172547
					●	COUPLING SYSTEM ADAPTOR FK80 FEKA 3000	60171768
					●	COUPLING SYSTEM ADAPTOR FK100 FEKA 4000	60171770
					●	COUPLING SYSTEM ADAPTOR FK150 FEKA 6000	60171772
					●	COUPLING SYSTEM ADAPTOR FK 65 FEKA 3000	60171774
					●	COUPLING SYSTEM ADAPTOR FK80 FEKA 4000	60171776
	●	●				KIT ELBOW 90° 1"1/2 GAS FX	60195857
			●	●		KIT ELBOW 90° 2" GAS FX *	60195856
			●	●	●	KIT ELBOW 90° 2” 1/2 GAS FX **	60211555
			●	●	●	KIT ELBOW 90° 3” GAS FX **	60203622

* Suitable for pumps with DN50 - ** Suitable for pumps with DN65

FLANGE KIT	FX	FK	DESCRIPTION	CODE
	●	●	FLANGE KIT DN 65 PN 16 UNI 2254	60172458
		●	FLANGE KIT DN 80 PN 16 UNI 2254	60172460
		●	FLANGE KIT DN 100 PN 16 UNI 2254	60172461

PUMPING STATIONS ACCESSORIES

NON-RETURN BALL VALVE	NOVA/FEKA DRENAG	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
	●					PVC NOT RETURN BALL VALVE PN10 1" ¼ THREADED	002130285
	●	●	●			PVC NOT RETURN BALL VALVE PN10 1" ½ THREADED	002130286
	●	●	●		●	PVC NOT RETURN BALL VALVE PN10 2" THREADED	002130287
	●	●	●	●	●	PVC NOT RETURN BALL VALVE PN10 2"1/2 THREADED	60171217
	●	●	●	●	●	PVC NOT RETURN BALL VALVE PN10 3" THREADED	60171218
	●					NOT RETURN BALL VALVE 1" ¼ THREADED	60160625
	●	●	●			NOT RETURN BALL VALVE 1" ½ THREADED	60160626
	●	●	●		●	NOT RETURN BALL VALVE 2" THREADED	60160627
	●	●	●	●		NOT RETURN BALL VALVE 2" ½ THREADED	60160628
		●	●		●	NOT RETURN BALL VALVE DN 50	60160629
		●	●	●	●	NOT RETURN BALL VALVE DN 65	60160630
				●	●	NOT RETURN BALL VALVE DN 80	60160631
				●		NOT RETURN BALL VALVE DN 100	60160632
				●		NOT RETURN BALL VALVE DN 150	60160633
						NOT RETURN BALL VALVE DN 200	60160634

REFLOW KIT	NOVA/FEKA DRENAG	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
	●	●	●		●	REFLOW KIT	538860000

GATE VALVES	NOVA/FEKA DRENAG	FEKA VS	FX	FK	FEKABOX / FEKAFOS	DESCRIPTION	CODE
		●	●		●	GATE VALVE FLANGED DN 50	60163811
		●	●	●	●	GATE VALVE FLANGED DN 65	60163812
				●	●	GATE VALVE FLANGED DN 80	60163813
				●	●	GATE VALVE FLANGED DN 100	60163814
				●	●	GATE VALVE FLANGED DN 150	60163815
					●	GATE VALVE FLANGED DN 200	60163816

NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANEL

NEW - AVAILABLE FROM MARCH 2024

Electrical control panel for the protection and automatic operation of one or two submersible pumps, both single-phase and three-phase, installed in a commercial environment. Thanks to the possibility of regulating the current, the panel is compatible with all pump models powered with a current between 1 A and 29 A as reported in the product compatibility table
Guided procedure (Wizard) from the display or other connected devices that allows you to start the pumps in just a few steps.
All configurations, controls and alarm viewing also takes place directly on a smartphone or tablet with the app, or on a PC portal, via the DConnect digital services.
Integrated connectivity via bluetooth, wi-fi and modbus.
NGPANEL also has a USB port where you can connect a 4G dongle to have connectivity in areas not covered by Wi-Fi.

Single-phase power 1 x 230 V
Three-phase power 3x400 V 50 Hz
Maximum operating current
2 x 12 A , 2 x 20 A, 1 x 29 A
IP protection IP55
Room temperature -10°C +50°C
Starting capacitor accessories
Maximum altitude 1.000 above sea level

BUILT-IN **CONNECTIVITY**

ACCESSORIES PAGE 53

MODEL	CODE	VOLTAGE 50/60 Hz	STARTING	PUMP MAX CURRENT A	PUMP MAX POWER (P2) kW
NGPANEL 1 PUMP 29 A	60212822	1 x 230 VAC	DIRECT	29	4,5
		3 x 400 VAC		12	5,5
NGPANEL 2 PUMPS 20 A	60212821	1 x 230 VAC	DIRECT	20	2,5
		3 x 400 VAC		12	5,5
NGPANEL 2 PUMPS 12 A	60211088	1 x 230 VAC	DIRECT	12	1,5
		3 x 400 VAC		12	5,5

DAB SMART SYSTEM

NgPanel used in conjunction with **DAB Virtual Cockpit** and **DConnect**, it takes user experience to the next level, providing pump control from any location, optimising the relevant procedure, which becomes extremely simple, intuitive and effective: this means fast setup, direct status monitoring, and immediate alarm warnings on screen.

Connected to the internet, **NgPanel** harnesses all its potential for increasingly flexible, smarter system control.

DISCOVER MORE

D CONNECT

TRY IT, IT'S FREE!

NgPanel gives you the opportunity to try **DAB**'s integrated smart system experience free for a whole year.

FREE 12 MONTHS

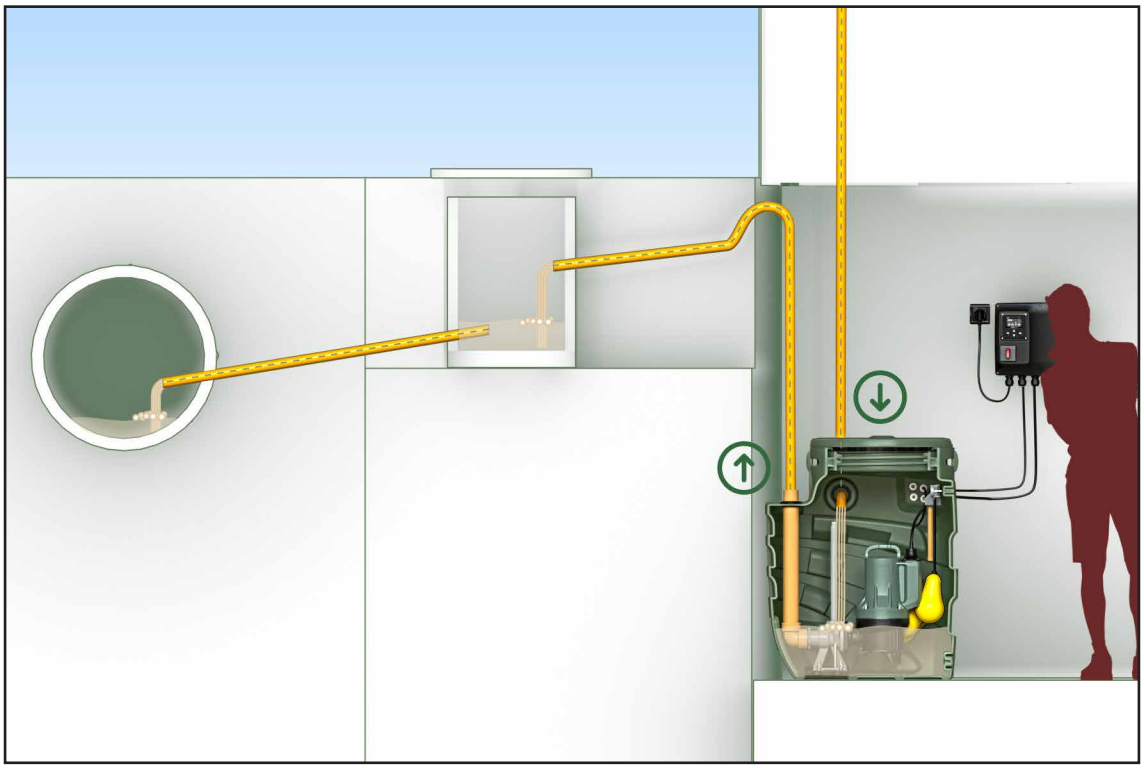
NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANEL

EMPTYING / FILLING FUNCTION

Ideal for piloting the pumping stations of filling / emptying the drainage of rainwater or waste water in general.

- Operation with bulb floats or standard, max 5 (2/3 for operation, 2 for alarm).
- Operation with level transducer (0-10V / 4...20mA).
- Exchange of the starting order of the pumps at every start, every 24 hours or at predefined intervals.



ACCESSORIES

	DESCRIPTION		CODE
	**FLOAT KEY**	**5 METERS**	159260030
		10 METERS	159260040
		15 METERS	159260050
		20 METERS	159260070
	**BULB-FLOAT**	**10 METERS**	002718000
		20 METERS	002718001
	**DEPTH SENSOR 0-5 MT- 20 MT. CABLE FOR DRAINAGE AND SEWAGE WATER**		60114675

	DESCRIPTION	CODE
	**FLASHING 230V 5W 50/60 HZ** Equipped with a 5W incandescent bulb	60169271
	**ACOUSTIC ALARM - 230 V - 50 HZ**	002789002

EBOX

ELECTRONIC PROTECTION AND CONTROL PANEL

EBox Basic
Electronic control panel for the protection and automatic operation of one or two single-phase submersible or pressurization pumps for domestic applications. Compatible with all pump models with current between 1 and 12 A with power up to 2,2 kW, as shown in the product compatibility table.

EBox Plus
Electronic control panel for the protection and automatic operation of one or two submersible or pressurization pumps, both single-phase and three-phase, installed in residential building service or commercial building service. Thanks to the possibility of regulating the current, the panel is compatible with all pump models supplied with current between 1 and 12 A with power up to 5,5 kW as shown in the product compatibility table.

Nominal tension of power supply
EBox Plus 1 x 230 V / 3 x 230 V - 3 x 400 V (automatic selection).
EBox Basic 1x 230 V.
Frequency 50 - 60 Hz.
Maximum use of power
EBox Plus 5,5 kWatt + 5,5 kWatt.
EBox Basic 2,2 kWatt + 2,2 kWatt.
Maximum use of current 12 A + 12 A.
Starting capacitor
Kit supplied as an accessory.
Limits of use ambient temperature
-10°C +40°C.
Limits of storage temperature -25°C +55°C.
Relative humidity to the air 90% a 20°C.
Max altitude max 1000 s.l.m.
Degree of protection IP55.
Reference standard for the construction of the panels EN 60335-1.

ebox

ONLINE TRAINING

ACCESSORIES PAGE 53

MODEL	CODE	VOLTAGE 50 HZ	STARTING	P2 NOMINAL		MAX CURRENT A
				kW x2	HP x2	
E-BOX BASIC 230/50-60	60163214	1 X 230 V	DIRECT	2,2	3	12+12
E-BOX PLUS 230-400V/50-60	60163215	1 X 230 V	DIRECT	2,2	3	12+12
		3 X 230 V		3	4	
		3 X 400 V		5,5	7,5	

EMPTYING / FILLING FUNCTION

Ideal for piloting the pumping stations of filling / emptying the drainage of rainwater or waste water in general.

- Operation with bulb floats or standard, max 5 (2/3 for operation, 2 for alarm).
- Operation with level transducer (0-10V / 4...20mA).
- Exchange of the starting order of the pumps at every start, every 24 hours or at predefined intervals.

ACCESSORIES

DESCRIPTION			CODE
	FLOAT KEY	5 METERS	159260030
		10 METERS	159260040
		15 METERS	159260050
		20 METERS	159260070
	BULB-FLOAT	10 METERS	002718000
		20 METERS	002718001

DESCRIPTION		CODE
	KIT CAPACITOR 40UF	60169268
	KIT CAPACITOR 30UF	60169269
	KIT CAPACITOR 20UF	60169270
	FLASHING 230V 5W 50/60 HZ Equipped with a 5W incandescent bulb	60169271

ELECTRONIC PROTECTION AND CONTROL PANELS

NOVA SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	START	MODEL		
								NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
								60211088	60163214	60163215
NOVA 180 M NA 40TH	60195632	1X230 V~	0,19	0,2	0,27	0,9	DIRECT	●	●	●
NOVA 200 M NA 40TH	60194402	1X230 V~	0,35	0,22	0,3	1,5	DIRECT	●	●	●
NOVA 600 M NA 40TH	60195636	1X230 V~	0,66	0,5	0,67	3	DIRECT	●	●	●
NOVA 600 T NA 40TH	60196306	3X400 V~	0,66	0,5	0,67	1,7	DIRECT	●		●

DRENAG SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	START	MODEL		
								NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
								60211088	60163214	60163215
DRENAG 1000 M-NA	103041010	1X230 V~	1,29	1	1,36	6	DIRECT	●	●	●
DRENAG 1200 M-NA	103041050	1X230 V~	1,85	1,2	1,6	7,5	DIRECT	●	●	●
DRENAG 1000 T-NA	103041020	3X400 V~	1,18	1	1,36	2,43	DIRECT	●		●
DRENAG 1200 T-NA	103041060	3X400 V~	1,65	1,2	1,6	3,24	DIRECT	●		●

FEKA SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	START	MODEL		
								NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
								60211088	60163214	60163215
FEKA 300 M NA 40TH	60195558	1X230 V~	0,35	0,22	0,3	1,9	DIRECT	●	●	●
FEKA 600 M NA 40TH	60194419		0,68	0,5	0,67	3,1	DIRECT	●	●	●
FEKA VS 550 M-NA	103040010	1X220 - 240 V~	0,92	0,55	0,75	4,2	DIRECT	●	●	●
FEKA VS 750 M-NA	103040050		1,11	0,75	1	5,13	DIRECT	●	●	●
FEKA VS 1000 M-NA	103040090		1,46	1	1,36	6,63	DIRECT	●	●	●
FEKA VS 1200 M-NA	103040130		1,93	1,2	1,6	8,63	DIRECT	●	●	●
FEKA 600 T NA 40TH	60196308	3X400 V~	0,68	0,5	0,67	1,8	DIRECT	●		●
FEKA VS 550 T-NA	103040020		0,90	0,55	0,75	1,64	DIRECT	●		●
FEKA VS 750 T-NA	103040060		1,03	0,75	1	1,94	DIRECT	●		●
FEKA VS 1000 T-NA	103040100		1,37	1	1,36	2,51	DIRECT	●		●
FEKA VS 1200 T-NA	103040140		1,86	1,2	1,6	3,44	DIRECT	●		●

FEKA VS GRINDER SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
FEKA VS GRINDER 1000 M-NA	60211234H	1 x 230V	1,3	1	1,3	6,2	●	●	●
FEKA VS GRINDER 1000 TNA	60211235H	3 x 400V	1,3	1	1,3	3	●		●

DRENAG FX SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
DRENAG FX 15.07 MNA	60191217	1x230V	1,1	0,8	1,1	5,1	●	●	●
DRENAG FX 15.11 MNA	60191237		1,5	1,2	1,6	6,8	●	●	●
DRENAG FX 15.15 MNA	60191255		2,3	1,8	2,4	10,6	●	●	●
DRENAG FX 15.07 TNA	60191218	3x400V	1	0,8	1,1	2,1	●		●
DRENAG FX 15.11 TNA	60191238		1,5	1,2	1,6	2,8	●		●
DRENAG FX 15.15 TNA	60191256		2,5	1,8	2,4	4,3	●		●
DRENAG FX 15.22 TNA	60191277		3,1	2,3	3,1	5,2	●		●

ELECTRONIC PROTECTION AND CONTROL PANELS

FEKA FX C SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
FEKA FXC 20.07 MNA	60191211	1x230V	0,9	0,7	0,9	4,1	●	●	●
FEKA FXC 20.11 MNA	60191231		1,4	1	1,3	6,3	●	●	●
FEKA FXC 20.15 MNA	60191249		2	1,5	2	9,1	●	●	●
FEKA FXC 25.07 MNA	60191214		0,9	0,6	0,8	4,1	●	●	●
FEKA FXC 25.11 MNA	60191234		1,4	1,1	1,5	6,4	●	●	●
FEKA FXC 25.15 MNA	60191252		2	1,6	2,1	9,3	●	●	●
FEKA FXC 20.07 TNA	60191212	3x400V	0,9	0,7	0,9	1,8	●		●
FEKA FXC 20.11 TNA	60191232		1,3	1	1,3	2,6	●		●
FEKA FXC 20.15 TNA	60191250		1,8	1,5	2	3,5	●		●
FEKA FXC 20.22 TNA	60191273		2,8	2,2	2,9	4,9	●		●
FEKA FXC 25.07 TNA	60191215		0,9	0,6	0,8	1,8	●		●
FEKA FXC 25.11 TNA	60191235		1,4	1,1	1,5	2,6	●		●
FEKA FXC 25.15 TNA	60191253		1,9	1,6	2,1	3,6	●		●
FEKA FXC 25.22 TNA	60191275		2,9	2,3	3,1	5	●		●

GRINDER FX SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
GRINDER FX 15.07 MNA	60191220	1x230V	1,1	0,8	1,1	5,3	●	●	●
GRINDER FX 15.11 MNA	60191240		1,5	1,1	1,5	6,8	●	●	●
GRINDER FX 15.15 MNA	60191258		2,2	1,6	2,1	9,8	●	●	●
GRINDER FX 15.07 TNA	60191221	3x400V	1	0,8	1,1	2	●		●
GRINDER FX 15.11 TNA	60191278		1,5	1,1	1,5	2,8	●		●
GRINDER FX 15.15 TNA	60191259		2,1	1,6	2,1	3,8	●		●
GRINDER FX 15.22 TNA	60191279		2,6	2,1	2,8	4,7	●		●

FEKA FX V SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
FEKA FXV 20.07 MNA	60191208	1x230V	1,4	0,9	1,2	6,4	●	●	●
FEKA FXV 20.11 MNA	60191227		1,7	1,2	1,6	8	●	●	●
FEKA FXV 20.15 MNA	60194186		2,3	1,7	2,3	10,5	●	●	●
FEKA FXV 25.07 MNA	60196349		1,5	1	1,3	6,6	●	●	●
FEKA FXV 25.11 MNA	60191230		1,7	1,2	1,6	7,6	●	●	●
FEKA FXV 25.15 MNA	60194201		2,3	1,7	2,3	10,6	●	●	●
FEKA FXV 20.07 TNA	60191209	3x400V	1,4	0,9	1,2	2,4	●		●
FEKA FXV 20.11 TNA	60191228		1,6	1,2	1,6	2,9	●		●
FEKA FXV 20.15 TNA	60191261		2,2	1,7	2,3	4	●		●
FEKA FXV 20.22 TNA	60191265		2,9	2,2	2,9	5	●		●
FEKA FXV 25.07.4 TNA	60191269		1	0,7	0,9	2,2	●		●
FEKA FXV 25.12.4 TNA	60191271		1,7	1,2	1,6	3	●		●
FEKA FXV 25.07 TNA	60196351		1,3	1	1,3	2,3	●		●
FEKA FXV 25.11 TNA	60191244		1,7	1,2	1,6	3	●		●
FEKA FXV 25.15 TNA	60191263		2,2	1,7	2,3	4	●		●
FEKA FXV 25.22 TNA	60191267		2,8	2,2	2,9	4,9	●		●

ELECTRONIC PROTECTION AND CONTROL PANELS

FK V SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
FKV 65.11.4 T5 400D	60172586	3 x 400 V~	1,3	1,1	1,5	3,3	●		●
FKV 65 22.2 T5 400D	60171422		2,5	2,2	3,0	4,8	●		●
FKV 65 30.2 T5 400D	60170389		3,3	3,0	4,0	5,7	●		●
FKV 65 40.2 T5 400D	60171423		4,6	4,0	5,5	7,5	●		●
FKV 80 11.4 T5 400D	60171443		1,3	1,1	1,5	3,5	●		●
FKV 80 15.4 T5 400D	60171444		1,8	1,5	2,0	3,8	●		●
FKV 80 22.4 T5 400D	60170418		2,5	2,2	3,0	4,7	●		●
FKV 80 40.4 T5 400D	60171445		4,5	4,0	5,5	8,6	●		●
FKV 80 40.2 T5 400D	60171424		4,6	4,0	5,5	7,7	●		●
FKV 100 30.4 T5 400D	60171446		3,5	3,0	4,0	8,0	●		●
FKV 100 40.4 T5 400D	60171447		4,5	4,0	5,5	8,9	●		●

For pumps with power exceeding 5,5 kW or Y/D start see the ED panels.

FK C SELECTION TABLE + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	MODEL		
							NGPANEL 230-400V / 50-60Hz	EBOX BASIC 230V / 50-60Hz	EBOX PLUS 230-400V / 50-60Hz
							60211088	60163214	60163215
FKC 65 22.2 T5	60176795	3x400 V DOL	2,6	2,2	3	4,8	●		●
FKC 65 30.2 T5	60176857		3,4	3	4,1	5,8	●		●
FKC 80 15.4 T5	60176796		1,8	1,5	2,1	3,5	●		●
FKC 80 22.4 T5	60176858		2,6	2,2	3	4,7	●		●
FKC 80 30.4 T5	60176871		3,6	3	4,1	7,6	●		●
FKC 80 40.4 T5	60176872		4,7	4	5,5	8,9	●		●
FKC 100 15.4 T5	60176859		1,8	1,5	2,1	3,9	●		●
FKC 100 22.4 T5	60176860		2,6	2,2	3	4,7	●		●
FKC 100 30.4 T5	60176873		3,3	3	4,1	7,7	●		●
FKC 100 40.4 T5	60176874		4,2	4	5,5	8,6	●		●
FKC 150 30.4 T5	60177074		3,7	3	4,1	7,8	●		●
FKC 150 40.4 T5	60176875		4,5	4	5,5	8,7	●		●

For pump power input voltages other than the standard 400V contact our sales distribution network.
For pumps with power exceeding 4 kW or Y/D start see the ED panels.

ED

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

Example photo

Supplied on the box in self-extinguishing thermoplastic material, complete with brackets for wall mounting. The framework is self-protected and protects the pump from overload, short circuits with manual reset. The models ED3M, ED3MHS, from ED2,5 to ED30T SD can handle the signal over temperature protection if the pump is provided with it. The models ED3MHS and ED2, 4MHS are provided with additional electrolytic condenser for high startup torque.
Complete with:

- Power line switch with pad lockable door handle (except in single-phase version)
- Self-protected transformer for the power supply of the external controls
- Terminals for connecting the electric pump and the float / pressure control switches
- Terminals without potential for controlling alarm and remote installation of an audible / visual alarm
- Button on the front panel for manual operation (single phase versions)
- Switch on the front panel for manual operation - 0 - Automatic
- Amperometric protection reports
- Pump running indicator
- Voltage indicator
- Limits of use ambient temperature: - 10°C +40°C
- Degree of protection IP55

Nominal power input voltage
230V 1~ ± 10%.
400V 3~ ± 10%.

Frequency 50-60 Hz.

Ambient temperature operation limits
-10°C +40°C.

Storage ambient temperature limit
-25°C +55°C.

Relative humidity (without condensation)
50% at 40°C MAX (90% a 20°C).

Protection class IP55.

Panel construction
to EN 60204-1 and EN 60439-1.

ED *MONO-PHASE 1 x 220 - 240 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
ED0,1M	60169998	1X220 - 240 V~	DIRECT	0,63 - 1 A	1	Motor data plate - Voltage: 1 x 220 - 240 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor
ED0,3M	60170001	1X220 - 240 V~	DIRECT	1 - 1,6 A	1,6	
ED0,75M	60170003	1X220 - 240 V~	DIRECT	2,5 - 4 A	4	
ED1M	60170005	1X220 - 240 V~	DIRECT	4 - 6,3 A	6,3	
ED1,5M	60170006	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
ED2M	60170007	1X220 - 240 V~	DIRECT	9 - 14 A	14	
ED2,4M	60170009	1X220 - 240 V~	DIRECT	13 - 18 A	18	
ED3MHS	60170010	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
ED3M 40UF	60170012	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	

ED *THREE-PHASE 3 x 400 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
ED0,08T *	60170013	3X400 V~	DIRECT	0,4-0,63A	0,63	Motor data plate - Voltage: 3 x 400 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor
ED0,5T *	60170015	3X400 V~	DIRECT	1-1,6A	1,6	
ED1T *	108320330	3X400 V~	DIRECT	1,6-2,5A	2,5	
ED1,5T *	108320340	3X400 V~	DIRECT	2,5-4A	4	
ED2,5T *	108320350	3X400 V~	DIRECT	4-6,3A	6,3	
ED4T *	60170054	3X400 V~	DIRECT	6,3-10A	10	
ED8T *	60170055	3X400 V~	DIRECT	9-14A	14	
ED11T *	60170056	3X400 V~	DIRECT	13-18A	18	
ED14T *	60170057	3X400 V~	DIRECT	17-23A	23	
ED15T *	60170058	3X400 V~	DIRECT	25-32A	32	
ED7,5T SD **	108320840	3X400/690 V~	Y/Δ	9-14A	14	
ED11T SD **	60202686	3X400/690 V~	Y/Δ	13-18A	18	
ED15T SD **	60170075	3X400/690 V~	Y/Δ	17-23A	23	
ED20T SD **	60170059	3X400/690 V~	Y/Δ	23-32A	32	
ED25T SD **	60170060	3X400/690 V~	Y/Δ	30-40A	40	
ED30T SD **	60170061	3X400/690 V~	Y/Δ	37-50A	50	

* Electric control panels ready for the addition of the oil probe module.
** Electric control panels with oil probe module as standard.

E2D

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

Example photo

Supplied on the box in self-extinguishing thermoplastic material and in metal models E2D50TSD and E2D60TSD, complete with brackets for wall mounting. The framework is self-protected and protects the pump from overload, short circuits with manual reset. The models E2D6M, E2D6MHS, from E2D5T to E2D60T SD can handle the signal over temperature protection if the pump is provided with it. The models E2D6MHS IS provided with additional electrolytic condenser for high startup torque. Complete with:

- Power line switch with pad lockable door handle (except in single-phase version)
- Self-protected transformer for the power supply of the external controls
- Exchange model for the alternation of starting pumps
- Terminals for connecting the electric pump and the float / pressure control switches
- Terminals without potential for controlling alarm and remote installation of an audible / visual alarm
- Button on the front panel for manual operation (single phase versions)
- Switch on the front panel for manual operation - 0 - Automatic
- Amperometric protection reports
- Pump running indicator
- Voltage indicator
- Limits of use ambient temperature: -10°C +40°C
- Degree of protection IP55

Nominal power input voltage
230V 1~ ± 10%.
400V 3~ ± 10%.

Frequency 50-60 Hz.

Ambient temperature operation limits
-10°C to +40°C.

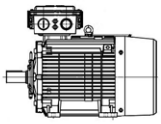
Storage ambient temperature limit
-25°C to +55°C.

Relative humidity (without condensation)
50% at 40°C MAX (90% a 20°C).

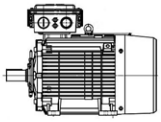
Protection class IP55.

Control panel construction
According to EN 60204-1, and UNI EN 60439/-1.

E2D *MONO-PHASE 1 x 220 - 240 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
E2D0,6M	60170017	1X220 - 240 V~	DIRECT	1 - 1,6 A	1,6	Motor data plate - Voltage: 1 x 220 - 240 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor 
E2D1,5M	60170019	1X220 - 240 V~	DIRECT	2,5 - 4 A	4	
E2D2M	60170021	1X220 - 240 V~	DIRECT	4 - 6,3 A	6,3	
E2D6M 40UF	60170023	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E2D6M HS	60170024	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E2D3M *	60170025	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E2D4M *	60170027	1X220 - 240 V~	DIRECT	9 - 14 A	14	
E2D4,8M *	60170028	1X220 - 240 V~	DIRECT	13 - 18 A	18	

E2D *THREE-PHASE 3 x 400 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
E2D2T *	108320440	3X400 V~	DIRECT	1,6 - 2,5 A	2,5	Motor data plate - Voltage: 3 x 400 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor 
E2D3T *	108320450	3X400 V~	DIRECT	2,5 - 4 A	4	
E2D5T *	108320460	3X400 V~	DIRECT	4 - 6,3 A	6,3	
E2D8T *	60170062	3X400 V~	DIRECT	6,3 - 10 A	10	
E2D15T *	60170046	3X400 V~	DIRECT	9 - 14 A	14	
E2D22T *	60170063	3X400 V~	DIRECT	13 - 18 A	18	
E2D28T *	60170064	3X400 V~	DIRECT	17 - 23 A	23	
E2D30T *	108320750	3X400 V~	DIRECT	25 - 32 A	32	
E2D15T SD **	60170047	3X400 V~	Y/Δ	9 - 14 A	14	
E2D22T SD **	60202365	3X400 V~	Y/Δ	13 - 18 A	18	
E2D30T SD **	60170065	3X400 V~	Y/Δ	17 - 23 A	23	
E2D40T SD **	60170066	3X400 V~	Y/Δ	23 - 32 A	32	
E2D50T SD **	60170067	3X400 V~	Y/Δ	30 - 40 A	40	
E2D60T SD **	60170068	3X400 V~	Y/Δ	37 - 50 A	50	

* Electric control panels ready for the addition of the oil probe module.
** Electric control panels with oil probe module as standard.

ACCESSORIES

	**RELAY OIL LEVEL FOR PANELS DRAINAGE**	60172920

E3D

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

Example photo

Supplied on the box in self-extinguishing thermoplastic material and in metal model E3D22, 5TSD, complete with brackets for wall mounting. The framework is self-protected and protects the pump from overload, short circuits with manual reset. The models E3D9M, E9D6MHS, from E3D12T to E3D90T SD can handle the signal over temperature protection if the pump is provided with it. The models E3D9MHS is provided with additional electrolytic condenser for high startup torque.

Complete with:

- Power line switch with pad lockable door handle (except in single-phase version)
- Self-protected transformer for the power supply of the external controls
- Exchange model for the alternation of starting pumps
- Terminals for connecting the electric pump and the float / pressure control switches
- Terminals without potential for controlling alarm and remote installation of an audible / visual alarm
- Button on the front panel for manual operation (single phase versions)
- Switch on the front panel for manual operation - 0 - Automatic
- Amperometric protection reports
- Pump running indicator
- Voltage indicator
- Limits of use ambient temperature: -10°C +40°C
- Degree of protection IP55

Nominal power input voltage
230V 1~ ± 10%.
400V 3~ ± 10%.

Frequency 50-60 Hz.

Ambient temperature operation limits
-10°C to +40°C.

Storage ambient temperature limit
-25°C to +55°C.

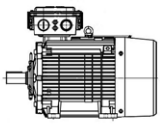
Relative humidity (without condensation)
50% at 40°C MAX (90% a 20°C).

Protection class IP55.

Control panel construction
According to EN 60204-1, and UNI EN 60439/-1.

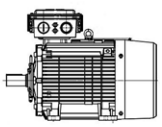
E3D *MONO-PHASE 1 x 220 - 240 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
E3D0,9M	60170030	1X220 - 240 V~	DIRECT	1 - 1,6 A	1,6	Motor data plate - Voltage: 1 x 220 - 240 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor
E3D2,25M	60170032	1X220 - 240 V~	DIRECT	2,5 - 4 A	4	
E3D3M	60170033	1X220 - 240 V~	DIRECT	4 - 6,3 A	6,3	
E3D9M 40UF	60170035	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E3D9M HS	60170037	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E3D4,5M	60170039	1X220 - 240 V~	DIRECT	6,3 - 10 A	10	
E3D6M	60170041	1X220 - 240 V~	DIRECT	9 - 14 A	14	
E3D7,2M	60170042	1X220 - 240 V~	DIRECT	13 - 18 A	18	



E3D *THREE-PHASE 3 x 400 V*

MODEL	CODE	VOLTAGE 50 HZ	STARTING	THERMAL PROTECTION	MAX CURRENT A	HOW TO MAKE A SELECTION
E3D3T	108330440	3X400 V~	DIRECT	1,6 - 2,5 A	2,5	Motor data plate - Voltage: 3 x 400 V Nominal current In: ..A I max = In * 1,1 The I Max value must be within the thermal protection range of the motor
E3D4,5T	108330450	3X400 V~	DIRECT	2,5 - 4 A	4	
E3D7,5T	60115082	3X400 V~	DIRECT	4 - 6,3 A	6,3	
E3D12T	60170069	3X400 V~	DIRECT	6,3 - 10 A	10	
E3D22,5T	60170070	3X400 V~	DIRECT	9 - 14 A	14	
E3D33T	60170071	3X400 V~	DIRECT	13 - 18 A	18	
E3D42T	60170049	3X400 V~	DIRECT	17 - 23 A	23	
E3D45T	60170050	3X400 V~	DIRECT	25 - 32 A	32	
E3D22,5T SD	60170051	3X400 V~	Y/Δ	9 - 14 A	14	
E3D33T SD	60202687	3X400 V~	Y/Δ	13 - 18 A	18	
E3D45T SD	60170072	3X400 V~	Y/Δ	17 - 23 A	23	
E3D60T SD	60170073	3X400 V~	Y/Δ	23 - 32 A	32	
E3D75T SD	60170074	3X400 V~	Y/Δ	30 - 40 A	40	
E3D90T SD	60170052	3X400 V~	Y/Δ	37 - 50 A	50	



ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

SELECTION TABLE NOVA + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
NOVA 180 M NA 40TH	60195632	1X230 V~	0,19	0,2	0,27	0,9	DIRECT	•			ED0,1M	60169998
									•		E2D0,6M	60170017
										•	E3D0,9M	60170030
NOVA 200 M NA 40TH	60194402	1X230 V~	0,35	0,22	0,3	1,5	DIRECT	•			ED0,75M	60170003
									•		E2D0,6M	60170017
										•	E3D0,9M	60170030
NOVA 600 M NA 40TH	60195636	1X230 V~	0,66	0,5	0,67	3	DIRECT	•			ED0,75M	60170003
									•		E2D1,5M	60170019
										•	E3D2,25M	60170032
NOVA 600 T NA 40TH	60196306	3X400 V~	0,66	0,5	0,67	1,7	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440

SELECTION TABLE FEKA + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
FEKA 300 M NA 40TH	60195558	1X230 V~	0,35	0,22	0,3	1,9	DIRECT	•			ED0,75M	60170003
									•		E2D0,6M	60170017
										•	E3D0,9M	60170030
FEKA 600 M NA 40TH	60194419	1X230 V~	0,68	0,5	0,67	3,1	DIRECT	•			ED0,75M	60170003
									•		E2D1,5M	60170019
										•	E3D2,25M	60170032
FEKA 600 T NA 40TH	60196308	3X400 V~	0,68	0,5	0,67	1,8	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440
FEKA VS 550 M-NA	103040010	1X220 - 240 V~	0,92	0,55	0,75	4,2	DIRECT	•			ED1M	60170005
									•		E2D2M	60170021
										•	E3D3M	60170033
FEKA VS 550 T-NA	103040020	3X400 V~	0,90	0,55	0,75	1,64	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440
FEKA VS 750 M-NA	103040050	1X220 - 240 V~	1,11	0,75	1	5,13	DIRECT	•			ED1M	60170005
									•		E2D2M	60170021
										•	E3D3M	60170033
FEKA VS 750 T-NA	103040060	3X400 V~	1,03	0,75	1	1,94	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440
FEKA VS 1000 M-NA	103040090	1X220 - 240 V~	1,46	1	1,36	6,63	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA VS 1000 T-NA	103040100	3X400 V~	1,37	1	1,36	2,51	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA VS 1200 M-NA	103040130	1X220 - 240 V~	1,93	1,2	1,6	8,63	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA VS 1200 T-NA	103040140	3X400 V~	1,86	1,2	1,6	3,44	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

SELECTION TABLE DRENAG + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
DRENAG 1000 M-NA	103041010	1X230 V~	1,29	1	1,36	6	DIRECT	•			**ED1,5M**	60170006
									•		**E2D3M**	60170025
										•	**E3D4,5M**	60170039
DRENAG 1000 T-NA	103041020	3X400 V~	1,18	1	1,36	2,43	DIRECT	•			**ED1,5T**	108320340
									•		**E2D3T**	108320450
										•	**E3D4,5T**	108330450
DRENAG 1200 M-NA	103041050	1X230 V~	1,85	1,2	1,6	7,5	DIRECT	•			**ED1,5M**	60170006
									•		**E2D3M**	60170025
										•	**E3D4,5M**	60170039
DRENAG 1200 T-NA	103041060	3X400 V~	1,65	1,2	1,6	3,24	DIRECT	•			**ED1,5T**	108320340
									•		**E2D3T**	108320450
										•	**E3D4,5T**	108330450

SELECTION TABLE DRENAG FX + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
DRENAG FX 15.07 MNA	60191217	1x230V	1,1	0,8	1,1	5,1	DIRECT	•			**ED1M**	60170005
									•		**E2D2M**	60170021
										•	**E3D3M**	60170033
DRENAG FX 15.07 TNA	60191218	3x400V	1	0,8	1,1	2,1	DIRECT	•			**ED1T**	108320330
									•		**E2D2T**	108320440
										•	**E3D3T**	108330440
DRENAG FX 15.11 MNA	60191237	1x230V	1,5	1,2	1,6	6,8	DIRECT	•			**ED1,5M**	60170006
									•		**E2D3M**	60170025
										•	**E3D4,5M**	60170039
DRENAG FX 15.11 TNA	60191238	3x400V	1,5	1,2	1,6	2,8	DIRECT	•			**ED1,5T**	108320340
									•		**E2D3T**	108320450
										•	**E3D4,5T**	108330450
DRENAG FX 15.15 MNA	60191255	1x230V	2,3	1,8	2,4	10,6	DIRECT	•			**ED2M**	60170007
									•		**E2D4M**	60170027
										•	**E3D6M**	60170041
DRENAG FX 15.15 TNA	60191256	3x400V	2,5	1,8	2,4	4,3	DIRECT	•			**ED2,5T**	108320350
									•		**E2D5T**	108320460
										•	**E3D7,5T**	60115082
DRENAG FX 15.22 TNA	60191277	3x400V	3,1	2,3	3,1	5,2	DIRECT	•			**ED2,5T**	108320350
									•		**E2D5T**	108320460
										•	**E3D7,5T**	60115082

SELECTION TABLE FEKA FX C + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
FEKA FXC 20.07 MNA	60191211	1x230V	0,9	0,7	0,9	4,1	DIRECT	•			ED1M	60170005
									•		E2D2M	60170021
										•	E3D3M	60170033
FEKA FXC 20.07 TNA	60191212	3x400V	0,9	0,7	0,9	1,8	DIRECT	•			ED0,75M	60170003
									•		E2D1,5M	60170019
										•	E3D2,25M	60170032
FEKA FXC 20.11 MNA	60191231	1x230V	1,4	1	1,3	6,3	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXC 20.11 TNA	60191232	3x400V	1,3	1	1,3	2,6	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXC 20.15 MNA	60191249	1x230V	2	1,5	2	9,1	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXC 20.15 TNA	60191250	3x400V	1,8	1,5	2	3,5	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXC 20.22 TNA	60191273	3x400V	2,8	2,2	2,9	4,9	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FEKA FXC 25.07 MNA	60191214	1x230V	0,9	0,6	0,8	4,1	DIRECT	•			ED1M	60170005
									•		E2D2M	60170021
										•	E3D3M	60170033
FEKA FXC 25.07 TNA	60191215	3x400V	0,9	0,6	0,8	1,8	DIRECT	•			ED0,75M	60170003
									•		E2D1,5M	60170019
										•	E3D2,25M	60170032
FEKA FXC 25.11 MNA	60191234	1x230V	1,4	1,1	1,5	6,4	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXC 25.11 TNA	60191235	3x400V	1,4	1,1	1,5	2,6	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXC 25.15 MNA	60191252	1x230V	2	1,6	2,1	9,3	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXC 25.15 TNA	60191253	3x400V	1,9	1,6	2,1	3,6	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXC 25.22 TNA	60191275	3x400V	2,9	2,3	3,1	5	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082

SELECTION TABLE GRINDER FX + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
GRINDER FX 15.07 MNA	60191220	1x230V	1,1	0,8	1,1	5,3	DIRECT	•			ED1M	60170005
									•		E2D2M	60170021
										•	E3D3M	60170033
GRINDER FX 15.07 TNA	60191221	3x400V	1	0,8	1,1	2	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440
GRINDER FX 15.11 MNA	60191240	1x230V	1,5	1,1	1,5	6,8	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
GRINDER FX 15.11 TNA	60191278	3x400V	1,5	1,1	1,5	2,8	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
GRINDER FX 15.15 MNA	60191258	1x230V	2,2	1,6	2,1	9,8	DIRECT	•			ED2M	60170007
									•		E2D4M	60170027
										•	E3D6M	60170041
GRINDER FX 15.15 TNA	60191259	3x400V	2,1	1,6	2,1	3,8	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
GRINDER FX 15.22 TNA	60191279	3x400V	2,6	2,1	2,8	4,7	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082

SELECTION TABLE FEKA FX V + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
FEKA FXV 20.07 MNA	60191208	1x230V	1,4	0,9	1,2	6,4	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXV 20.07 TNA	60191209	3x400V	1,4	0,9	1,2	2,4	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXV 20.11 MNA	60191227	1x230V	1,7	1,2	1,6	8	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXV 20.11 TNA	60191228	3x400V	1,6	1,2	1,6	2,9	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXV 20.15 MNA	60194186	1x230V	2,3	1,7	2,3	10,5	DIRECT	•			ED2M	60170007
									•		E2D4M	60170027
										•	E3D6M	60170041
FEKA FXV 20.15 TNA	60191261	3x400V	2,2	1,7	2,3	4	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FEKA FXV 20.22 TNA	60191265	3x400V	2,9	2,2	2,9	5	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FEKA FXV 25.07.4 TNA	60191269	3x400V	1	0,7	0,9	2,2	DIRECT	•			ED1T	108320330
									•		E2D2T	108320440
										•	E3D3T	108330440
FEKA FXV 25.12.4 TNA	60191271	3x400V	1,7	1,2	1,6	3	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXV 25.07 MNA	60196349	1x230V	1,5	1	1,3	6,6	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXV 25.07 TNA	60196351	3x400V	1,3	1	1,3	2,3	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXV 25.11 MNA	60191230	1x230V	1,7	1,2	1,6	7,6	DIRECT	•			ED1,5M	60170006
									•		E2D3M	60170025
										•	E3D4,5M	60170039
FEKA FXV 25.11 TNA	60191244	3x400V	1,7	1,2	1,6	3	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FEKA FXV 25.15 MNA	60194201	1x230V	2,3	1,7	2,3	10,6	DIRECT	•			ED2M	60170007
									•		E2D4M	60170027
										•	E3D6M	60170041
FEKA FXV 25.15 TNA	60191263	3x400V	2,2	1,7	2,3	4	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FEKA FXV 25.22 TNA	60191267	3x400V	2,8	2,2	2,9	4,9	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS

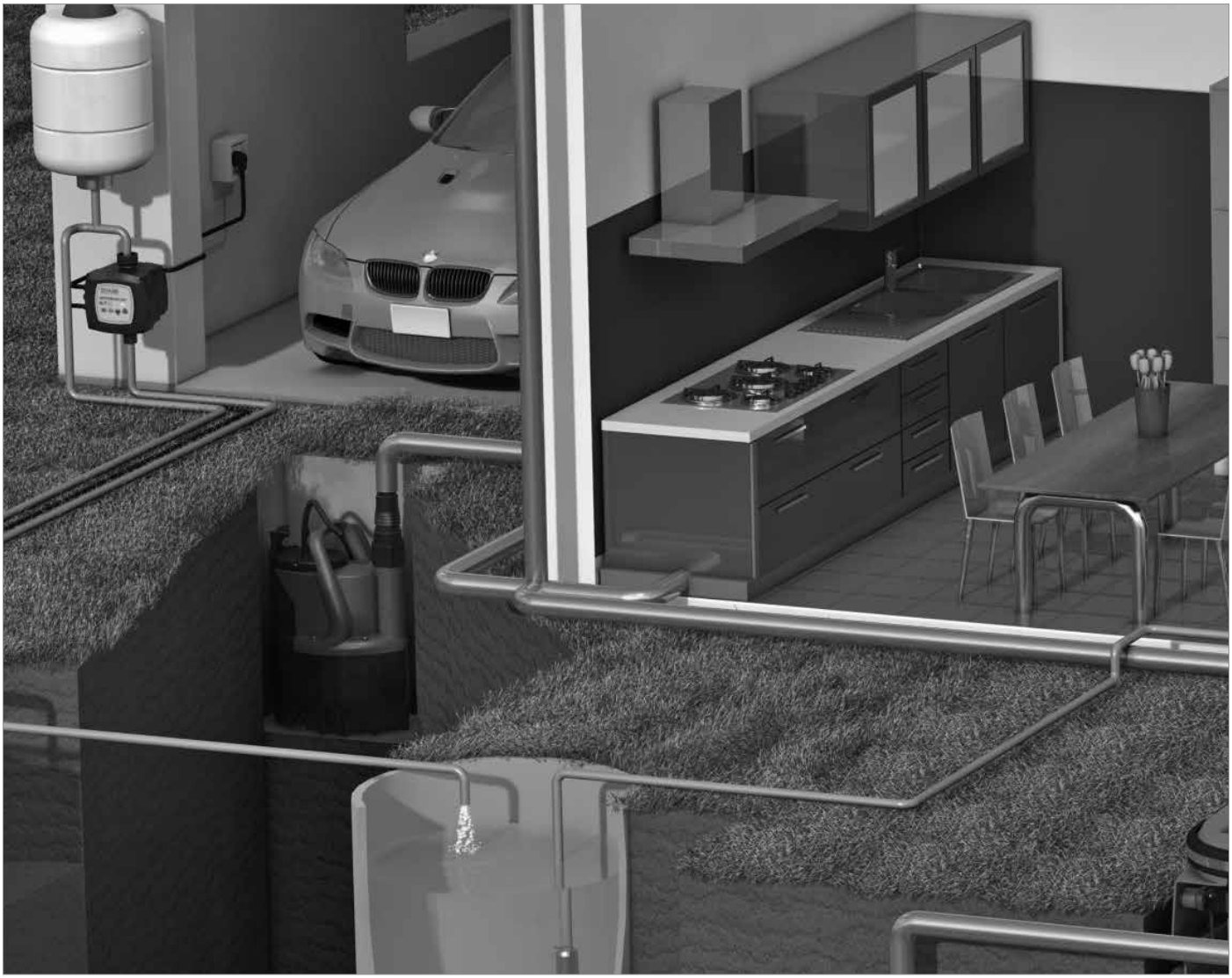
SELECTION TABLE FK V + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
FKV 65.11.4 T5 400D	60172586	3 x 400 V~	1,3	1,1	1,5	3,3	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FKV 65 22.2 T5 400D	60171422	3 x 400 V~	2,5	2,2	3,0	4,8	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKV 65 30.2 T5 400D	60170389	3 x 400 V~	3,3	3,0	4,0	5,7	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKV 65 40.2 T5 400D	60171423	3 x 400 V~	4,6	4,0	5,5	7,5	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKV 80 11.4 T5 400D	60171443	3 x 400 V~	1,3	1,1	1,5	3,5	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FKV 80 15.4 T5 400D	60171444	3 x 400 V~	1,8	1,5	2,0	3,8	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKV 80 22.4 T5 400D	60170418	3 x 400 V~	2,5	2,2	3,0	4,7	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKV 80 40.4 T5 400D	60171445	3 x 400 V~	4,5	4,0	5,5	8,6	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKV 80 40.2 T5 400D	60171424	3 x 400 V~	4,6	4,0	5,5	7,7	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKV 80 60.2 T5 400Y/D	60171425	3 x 400 V~	6,9	6,0	8,2	11,7	Y/Δ	•			ED7,5T SD	108320840
									•		E2D15T SD	60170047
										•	E3D22,5T SD	60170051
FKV 80 75.2 T5 400Y/D	60170434	3 x 400 V~	8,3	7,5	10,2	13,7	Y/Δ		•		E2D22T SD	60202365
										•	E3D33T SD	60202687
FKV 80 92.2 T5 400Y/D	60171426	3 x 400 V~	10,2	9,2	12,5	18,0	Y/Δ	•			ED15T SD	60170075
									•		E2D30T SD	60170065
										•	E3D45T SD	60170072
FKV 80 110.2 T5 400Y/D	60170429	3 x 400 V~	12,1	11,0	15,0	21,0	Y/Δ	•			ED15T SD	60170075
									•		E2D30T SD	60170065
										•	E3D45T SD	60170072
FKV 100 30.4 T5 400D	60171446	3 x 400 V~	3,5	3,0	4,0	8,0	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKV 100 40.4 T5 400D	60171447	3 x 400 V~	4,5	4,0	5,5	8,9	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKV 100 55.4 T5 400Y/D	60171448	3 x 400 V~	6,2	5,5	7,5	11,3	Y/Δ	•			ED7,5T SD	108320840
									•		E2D15T SD	60170047
										•	E3D22,5T SD	60170051
FKV 100 75.4 T5 400Y/D	60170428	3 x 400 V~	8,3	7,5	10,0	14,3	Y/Δ		•		E2D22T SD	60202365
										•	E3D33T SD	60202687

SELECTION TABLE FK C + PANELS

PUMP MODEL	CODE	VOLTAGE	P1 MAX	kW	HP	In A	STARTING	PANEL FOR 1 PUMP	PANEL FOR 2 PUMPS	PANEL FOR 3 PUMPS	MODEL	CODE
FKC 65 22.2 T5	60176795	3 x 400 V~	2,6	2,2	3,0	4,8	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKC 65 30.2 T5	60176857	3 x 400 V~	3,4	3,0	4,1	5,8	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKC 80 15.4 T5	60176796	3 x 400 V~	1,8	1,5	2,1	3,5	DIRECT	•			ED1,5T	108320340
									•		E2D3T	108320450
										•	E3D4,5T	108330450
FKC 80 22.4 T5	60176858	3 x 400 V~	2,6	2,2	3,0	4,7	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKC 80 30.4 T5	60176871	3 x 400 V~	3,6	3,0	4,1	7,6	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 80 40.4 T5	60176872	3 x 400 V~	4,7	4,0	5,5	8,9	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 80 55.4 T5	60176854	3 x 400 V~	6,3	5,5	7,5	12	Y/Δ	•			ED7,5T SD	108320840
									•		E2D15T SD	60170047
										•	E3D22,5T SD	60170051
FKC 80 75.4 T5	60176855	3 x 400 V~	8,5	7,5	10,3	14,1	Y/Δ		•		E2D22T SD	60202365
										•	E3D33T SD	60202687
FKC 100 15.4 T5	60176859	3 x 400 V~	1,8	1,5	2,1	3,9	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKC 100 22.4 T5	60176860	3 x 400 V~	2,6	2,2	3,0	4,7	DIRECT	•			ED2,5T	108320350
									•		E2D5T	108320460
										•	E3D7,5T	60115082
FKC 100 30.4 T5	60176873	3 x 400 V~	3,3	3,0	4,1	7,7	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 100 40.4 T5	60176874	3 x 400 V~	4,2	4,0	5,5	8,6	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 100 55.4 T5	60176850	3 x 400 V~	5,7	5,5	7,5	11,4	Y/Δ	•			ED7,5T SD	108320840
									•		E2D15T SD	60170047
										•	E3D22,5T SD	60170051
FKC 100 75.4 T5	60176851	3 x 400 V~	8,1	7,5	10,3	14,6	Y/Δ		•		E2D22T SD	60202365
										•	E3D33T SD	60202687
FKC 150 30.4 T5	60177074	3 x 400 V~	3,7	3,0	4,1	7,8	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 150 40.4 T5	60176875	3 x 400 V~	4,5	4,0	5,5	8,7	DIRECT	•			ED4T	60170054
									•		E2D8T	60170062
										•	E3D12T	60170069
FKC 150 55.4 T5	60176852	3 x 400 V~	6,0	5,5	7,5	11,3	Y/Δ	•			ED7,5T SD	108320840
									•		E2D15T SD	60170047
										•	E3D22,5T SD	60170051
FKC 150 75.4 T5	60176853	3 x 400 V~	8,4	7,5	10,3	14,7	Y/Δ		•		E2D22T SD	60202365
										•	E3D33T SD	60202687

TECHNICAL APPENDIX



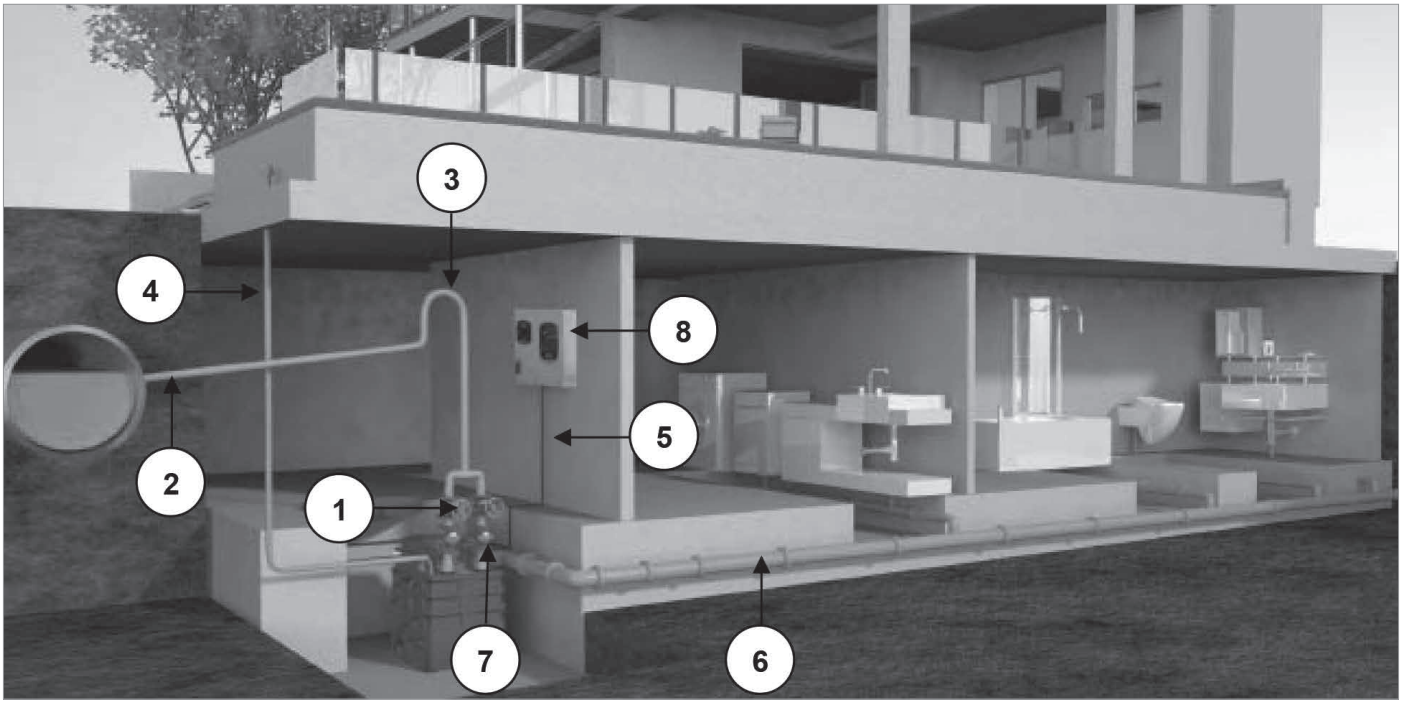
APPLICATIONS
Draining of water from basements and garages
Rain water collection wells
Draining wells
Lifting of water from tanks or rivers
Other applications
Nova: ideal for pumping dirty water without fibres
Feka: ideal from pumping sewage water from cesspools

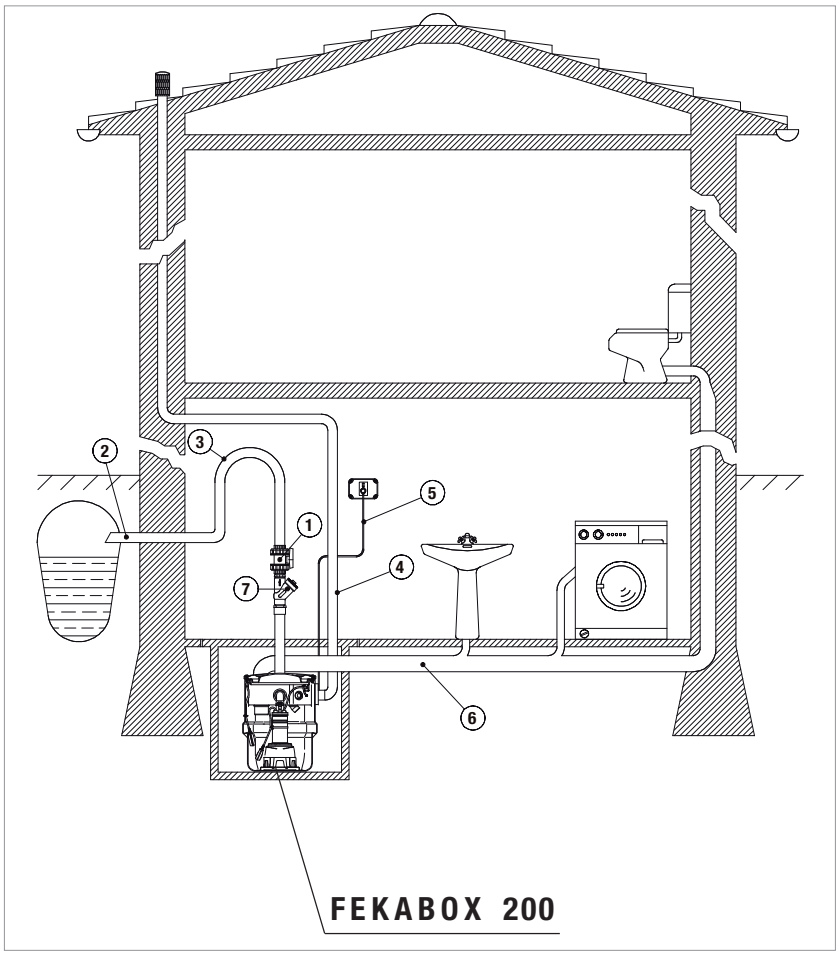
FEATURES
Operating range: from 1 a 16 m^3 with head of up to 10.2 metres.
Water temperature between 0°C and 35°C
Free passage for particles from 5 mm to 25 mm
Maximum immersion depth: 7 m
Light and easy to transport

IMPORTANT INFORMATION:
Install a support to ensure that the pump is not resting at the bottom
Do not install pipes of a smaller diameter than the delivery of the pump
Always install in the vertical position
For models with float, to ensure automatic operation, make sure that the arm or the float can move freely, without being impaired by the installation.
Do not connect the electric power input if there are people in contact with the water in the tank where the pump is installed.
Submerge the pump completely to avoid motor overheating
Make sure that there are no air pockets in the pump.

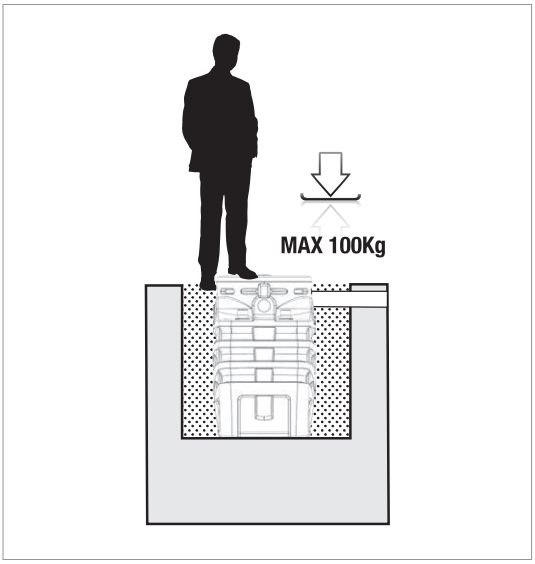
EXAMPLES OF INSTALLATION

Installation can be both above and under ground, when the overcoming of soil barriers is required for connection to the sewage network, including any that might be far. Fekafos may be installed in cellars, garages, underground wells.





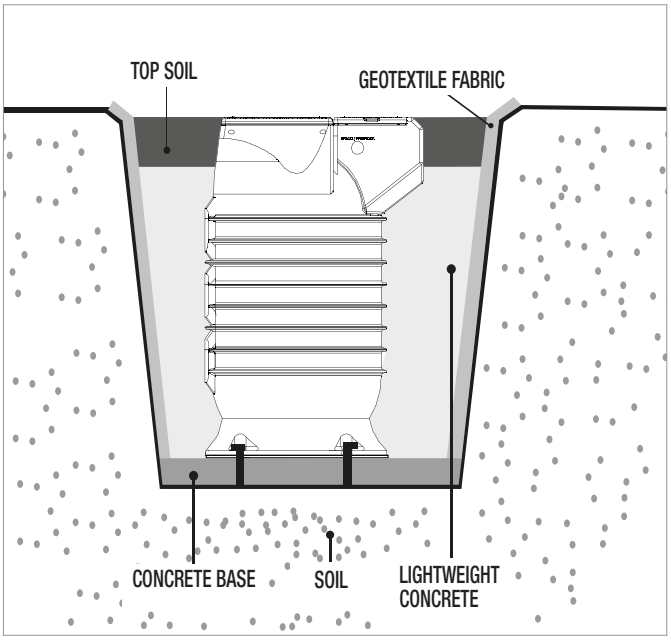
REFERENCE	DESCRIPTION
1	Ball check valve
2	Delivery
3	Siphon
4	Ventilation
5	Power input cable
6	Collection
7	Non-return valve
8	E-BOX control panel (FEKAFOS models only)

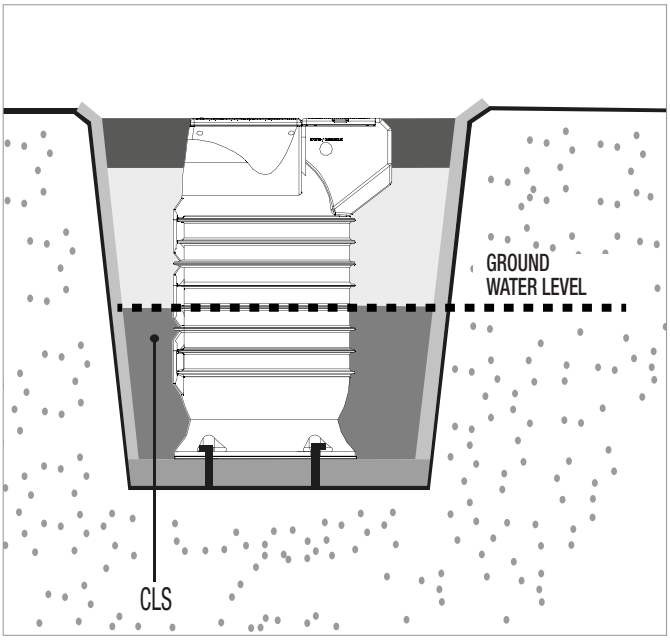


Outdoor installation without supporting structure, buried, with sand. It can be walked on.

FEKAFOS MAXI 1200, 3600 PUMPING STATION POSITIONING

Underground on the outside of a building, make a reinforced concrete support platform of adequate strength, calculated by a qualified technician. Position the tank on top of the reinforced concrete support platform and make holes in it in correspondence with the appropriate hooking seats made on the base of the product. Then insert pressure screws into the holes made and hook the tank.
In order to avoid abnormal deformations on the tanks and on the inspection towers during the backfill, always keep the water level inside the tank higher than the level of backfill. Proceed forming layers of 15/20 cm, filling the water tank first and then backfilling with light concrete, as indicated in the drawing.
Finally, cover the product with a layer of washed round gravel and sand until it is completely covered.
In the event of groundwater, having made the reinforced concrete slab, fill the tank with water until reaching the groundwater level, externally backfilling it for the same thickness with concrete.





NOTES

DIVERTRON

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TO INCREASE PERFORMANCE AND REDUCE CONSUMPTION

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WATER•TECHNOLOGY

INDEX - SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

PULSAR

5" SUBMERSIBLE MONOBLOCK MULTISTAGE PUMP

5" multi-impeller single bloc submersible pump designed for pressurization, gardening and irrigation and lifting water in residential building service.
These pumps work immersed in wells and first collection tanks or cisterns.
The suction takes place through a filter located in the lower part of the pump.
The motor is located above the hydraulic part and is cooled by the pumped liquid.
Robust components allow the pump to run dry for short periods.
Impellers and diffusers are in technopolymer.
Double mechanical seal in carbon ceramic on motor side and silicon carbide / silicon carbide on pump side, with interposed oil chamber.
Power cable, thermo-amperometric protection and starting capacitor included in the single-phase version.
The single-phase version is also available without the capacitor, this version must be combined with a control panel supplied as an accessory.
Protection by the user in the three-phase version.

Operating range From 0,9 up to 7,2 m^3/h with head up to 88 m.
Maximum immersion depth 20 m.
Type of pumped liquid Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Sand quantity 50 g/m^3.
Liquid temperature range from 0°C to +40°C.
Flanges, thread 1" 1/4 GAS.
Pump maximum diameter 138 mm.
Impeller/s material Technopolymer.
Maximum number of starts 20/h.
Pump motor protection level IP 68.
Motor insulation class F.
Single phase power input 230 V 50 Hz
Three phase power input 3x230 V 50 Hz / 3x400 V 50 Hz
Power cable 15 m H07RN-F
Possible type of installation Fixed or removable, in vertical or horizontal position
Special versions on request Different voltages and frequencies, different cable length.
Certification CB.

ErP ready

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM GAS	WEIGHT KG
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q m^3/h l/min	0 0	1,2 20	2,4 40	3,6 60	4,8 80	6 100	7,2 120		
PULSAR 30/50 M-A	60210489	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼" G	17,3
PULSAR 30/50 M-NA	60210490	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼" G	16,7
PULSAR 30/50 T-NA	60210491	3 x 230 V ~	1	0,64	0,86	3,4		44	42	37	29	18	-	-	1 ¼" G	17,3
PULSAR 30/50 T-NA	60210492	3 x 400 V ~	1	0,64	0,86	2		44	42	37	29	18	-	-	1 ¼" G	17,3
PULSAR 40/50 M-A	60210493	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼" G	17,5
PULSAR 40/50 M-NA	60210494	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼" G	17
PULSAR 40/50 T-NA	60210495	3 x 230 V ~	1,2	0,79	1,1	3,9		57	53	48	36	22	-	-	1 ¼" G	17,5
PULSAR 40/50 T-NA	60210496	3 x 400 V ~	1,2	0,79	1,1	2,2		57	53	48	36	22	-	-	1 ¼" G	17,5
PULSAR 50/50 M-A	60210497	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼" G	18,5
PULSAR 50/50 M-NA	60210498	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼" G	18
PULSAR 50/50 T-NA	60210499	3 x 230 V ~	1,5	1,12	1,5	4,85		72	68	60	46,5	31	-	-	1 ¼" G	18,5
PULSAR 50/50 T-NA	60210500	3 x 400 V ~	1,5	1,12	1,5	2,8		72	68	60	46,5	31	-	-	1 ¼" G	18,5
PULSAR 65/50 M-A	60210501	1 x 230 V ~	1,9	1,3	1,7	8,3		88	83	74	60	38,5	-	-	1 ¼" G	19,5
PULSAR 65/50 M-NA	60210502	1 x 230 V ~	1,9	1,3	1,7	8,3		88	83	74	60	38,5	-	-	1 ¼" G	19
PULSAR 65/50 T-NA	60210503	3 x 230 V ~	1,8	1,3	1,7	6,1	H (m)	88	83	74	60	38,5	-	-	1 ¼" G	19,5
PULSAR 65/50 T-NA	60210504	3 x 400 V ~	1,8	1,3	1,7	3,5		88	83	74	60	38,5	-	-	1 ¼" G	19,5
PULSAR 30/80 M-A	60210505	1 x 230 V ~	1,2	0,78	1,1	5,5		49	46	43	37	31	22,5	12	1 ¼" G	17,5
PULSAR 30/80 M-NA	60210506	1 x 230 V ~	1,2	0,78	1,1	5,5		49	46	43	37	31	22,5	12	1 ¼" G	17
PULSAR 30/80 T-NA	60210507	3 x 230 V ~	1,2	0,78	1,1	4		49	46	43	37	31	22,5	12	1 ¼" G	17,5
PULSAR 30/80 T-NA	60210508	3 x 400 V ~	1,2	0,78	1,1	2,3		49	46	43	37	31	22,5	12	1 ¼" G	17,5
PULSAR 40/80 M-A	60210509	1 x 230 V ~	1,6	1,1	1,5	7,4		64	60	56	48	41	31	18	1 ¼"	18,5
PULSAR 40/80 M-NA	60210510	1 x 230 V ~	1,6	1,1	1,5	7,4		64	60	56	48	41	31	18	1 ¼"	18
PULSAR 40/80 T-NA	60210511	3 x 230 V ~	1,5	1,1	1,5	4,85		64	60	56	48	41	31	18	1 ¼"	18,5
PULSAR 40/80 T-NA	60210512	3 x 400 V ~	1,5	1,1	1,5	2,8		64	60	56	48	41	31	18	1 ¼"	18,5
PULSAR 50/80 M-A	60210513	1 x 230 V ~	1,9	1,3	1,7	8,3		75	71	66	60	50	37	20	1 ¼"	19,5
PULSAR 50/80 M-NA	60210514	1 x 230 V ~	1,9	1,3	1,7	8,3		75	71	66	60	50	37	20	1 ¼"	19
PULSAR 50/80 T-NA	60210515	3 x 230 V ~	1,8	1,3	1,7	5,9		75	71	66	60	50	37	20	1 ¼"	19,5
PULSAR 50/80 T-NA	60210516	3 x 400 V ~	1,8	1,3	1,7	3,4		75	71	66	60	50	37	20	1 ¼"	19,5

A = Automatic with float.
NA = Not automatic without float.

PULSAR CB

5" SUBMERSIBLE MONOBLOCK MULTISTAGE PUMP

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM GAS	WEIGHT KG
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q m^3/h l/min	0	1,2	2,4	3,6	4,8	6	7,2		
								0	20	40	60	80	100	120		
PULSAR CB 30/50 M-A	60210517	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼" G	17,3
PULSAR CB 30/50 M-NA	60210518	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼" G	16,7
PULSAR CB 40/50 M-A	60210519	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼" G	17,5
PULSAR CB 40/50 M-NA	60210520	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼" G	17
PULSAR CB 50/50 M-A	60210521	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼" G	18,5
PULSAR CB 50/50 M-NA	60210522	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼" G	18
PULSAR CB 65/50 M-A	60210523	1 x 230 V ~	1,9	1,3	1,7	8,3		88	83	74	60	38,5	-	-	1 ¼" G	19,5
PULSAR CB 65/50 M-NA	60210524	1 x 230 V ~	1,9	1,3	1,7	8,3	H (m)	88	83	74	60	38,5	-	-	1 ¼" G	19
PULSAR CB 30/80 M-A	60210525	1 x 230 V ~	1,2	0,78	1,1	5,5		49	46	43	37	31	22,5	12	1 ¼" G	17,5
PULSAR CB 30/80 M-NA	60210526	1 x 230 V ~	1,2	0,78	1,1	5,5		49	46	43	37	31	22,5	12	1 ¼" G	17
PULSAR CB 40/80 M-A	60210527	1 x 230 V ~	1,6	1,1	1,5	7,4		64	60	56	48	41	31	18	1 ¼"	18,5
PULSAR CB 40/80 M-NA	60210528	1 x 230 V ~	1,6	1,1	1,5	7,4		64	60	56	48	41	31	18	1 ¼"	18
PULSAR CB 50/80 M-A	60210529	1 x 230 V ~	1,9	1,3	1,7	8,3		75	71	66	60	50	37	20	1 ¼"	19,5
PULSAR CB 50/80 M-NA	60210530	1 x 230 V ~	1,9	1,3	1,7	8,3		75	71	66	60	50	37	20	1 ¼"	19

A = Automatic with float.
NA = Not automatic without float.

CONTROL BOX PULSAR

Electric control panel for operation of Pulsar CB single-phase submersible electric pumps, containing manually resettable thermal protection, capacitor, and terminals for the connection of a pressure switch/float switch.
Cabinet for wall mounting in a flame-proof, thermoplastic material.

	SINGLE-PHASE BOX MODEL	CODE	PUMP MODEL COMBINATION	MOTOR POWER kW	PROTECTION AMPER. AMP	CAPACITOR µF	WEIGHT KG
	**CONTROL BOX PULSAR 0.9**	60210296	**PULSAR CB 30/50 M**	0,65	6	20	1,7
	CONTROL BOX PULSAR 1	60210297	**PULSAR CB 40/50 M**	0,75	7	20	1,7
			PULSAR CB 30/80 M				
	CONTROL BOX PULSAR 1.5	60210298	**PULSAR CB 50/50 M**	1,1	9	25	1,7
			PULSAR CB 40/80 M				
	CONTROL BOX PULSAR 1.75	60210299	**PULSAR CB 65/50 M**	1,3	10	30	1,7
			PULSAR CB 50/80 M				

PULSAR DRY

5" SUBMERSIBLE MONOBLOCK MULTISTAGE PUMP

5" multi-impeller submersible or surface single-block pump.
The suction takes place through a watertight fitting located in the lower part of the pump.
The pump is designed for pressurization, gardening and irrigation in residential building service.
It can withdraw water from first collection tanks or cisterns and is also able to work on the surface.
It can be installed in rooms without ventilation or subject to flooding.
The motor is positioned above the hydraulic part and is cooled by the pumped liquid.
Robust components allow the pump to run dry for short periods.
Impellers and diffusers are in technopolymer.
Double mechanical seal in carbon ceramic on motor side and silicon carbide/silicon carbide on pump side with interposed oil chamber.
The single-phase version includes the 15 meter power cable with power plug, the thermo-amperometric protection and the starting capacitor.
The single-phase version is also available without the capacitor, this version must be combined with a control panel supplied as an accessory.
Protection by the user in the three-phase version.

Operating range
From 0,9 up to 7,2 m^3/h with head up to 88 m.
Maximum immersion depth 20 m.
Type of pumped liquid Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Sand quantity 50 g/m^3.
Liquid temperature range from 0°C to +40°C.
Flanges, thread 1" 1/4 GAS.
Pump maximum diameter 138 mm.
Impeller/s material Technopolymer.
Maximum number of starts 20/h.
Pump motor protection level IP 68.
Motor insulation class F.
Single phase power input 230 V 50 Hz
Three phase power input
3x230 V 50 Hz / 3x400 V 50 Hz
Power cable 15 m H07RN-F
Possible type of installation
Fixed or removable, in vertical position
Special versions on request Different voltages and frequencies, different cable length.

ErP ready

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM GAS	DNA GAS	WEIGHT KG
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q m^3/h l/min	0	1,2	2,4	3,6	4,8	6	7,2			
								0	20	40	60	80	100	120			
PULSAR DRY 30/50 M-NA	60210531	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼"	1 ¼"	16,7
PULSAR DRY 30/50 T-NA	60210532	3 x 230 V ~	1	0,64	0,86	3,4		44	42	37	29	18	-	-	1 ¼"	1 ¼"	17,3
PULSAR DRY 30/50 T-NA	60210533	3 x 400 V ~	1	0,64	0,86	2		44	42	37	29	18	-	-	1 ¼"	1 ¼"	17,3
PULSAR DRY 40/50 M-NA	60210534	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼"	1 ¼"	17,3
PULSAR DRY 40/50 T-NA	60210535	3 x 230 V ~	1,2	0,79	1,1	3,9		57	53	48	36	22	-	-	1 ¼"	1 ¼"	17
PULSAR DRY 40/50 T-NA	60210536	3 x 400 V ~	1,2	0,79	1,1	2,2		57	53	48	36	22	-	-	1 ¼"	1 ¼"	17
PULSAR DRY 50/50 M-NA	60210537	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼"	1 ¼"	18
PULSAR DRY 50/50 T-NA	60210538	3 x 230 V ~	1,5	1,12	1,5	4,85		72	68	60	46,5	31	-	-	1 ¼"	1 ¼"	18,5
PULSAR DRY 50/50 T-NA	60210539	3 x 400 V ~	1,5	1,12	1,5	2,8		72	68	60	46,5	31	-	-	1 ¼"	1 ¼"	18,5
PULSAR DRY 65/50 M-NA	60210540	1 x 230 V ~	1,9	1,3	1,7	8,3		88	83	74	60	38,5	-	-	1 ¼"	1 ¼"	19
PULSAR DRY 65/50 T-NA	60210541	3 x 230 V ~	1,8	1,3	1,7	6,1	H (m)	88	83	74	60	38,5	-	-	1 ¼"	1 ¼"	19,5
PULSAR DRY 65/50 T-NA	60210542	3 x 400 V ~	1,8	1,3	1,7	3,5		88	83	74	60	38,5	-	-	1 ¼"	1 ¼"	19,5
PULSAR DRY 30/80 M-NA	60210543	1 x 230 V ~	1,2	0,78	1,05	5,5		49	46	43	37	31	22,5	12	1 ¼"	1 ¼"	17
PULSAR DRY 30/80 T-NA	60210544	3 x 230 V ~	1,2	0,78	1,1	4		49	46	43	37	31	22,5	12	1 ¼"	1 ¼"	17,5
PULSAR DRY 30/80 T-NA	60210545	3 x 400 V ~	1,2	0,78	1,1	2,3		49	46	43	37	31	22,5	12	1 ¼"	1 ¼"	17,5
PULSAR DRY 40/80 M-NA	60210546	1 x 230 V ~	1,6	1,1	1,5	7,4		64	60	56	48	41	31	18	1 ¼"	1 ¼"	18
PULSAR DRY 40/80 T-NA	60210547	3 x 230 V ~	1,5	1,1	1,5	4,85		64	60	56	48	41	31	18	1 ¼"	1 ¼"	18,5
PULSAR DRY 40/80 T-NA	60210548	3 x 400 V ~	1,5	1,1	1,5	2,8		64	60	56	48	41	31	18	1 ¼"	1 ¼"	18,5
PULSAR DRY 50/80 M-NA	60210549	1 x 230 V ~	1,9	1,3	1,7	8,3		75	71	66	60	50	37	20	1 ¼"	1 ¼"	19
PULSAR DRY 50/80 T-NA	60210550	3 x 230 V ~	1,8	1,3	1,7	5,9		75	71	66	60	50	37	20	1 ¼"	1 ¼"	19,5
PULSAR DRY 50/80 T-NA	60210551	3 x 400 V ~	1,8	1,3	1,7	3,4		75	71	66	60	50	37	20	1 ¼"	1 ¼"	18,5

A = Automatic with float.
NA = Not automatic without float.

PULSAR DRY CB

5" SUBMERSIBLE MONOBLOCK MULTISTAGE PUMP

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM GAS	DNA GAS	WEIGHT KG
		VOLTAGE 50 Hz	P1 kW	P2		In A	Q m^3/h l/min	0	1,2	2,4	3,6	4,8	6	7,2			
				kW	HP			0	20	40	60	80	100	120			
PULSAR DRY CB 30/50 MNA	60210552	1 x 230 V ~	1	0,65	0,87	4,5		44	42	37	29	18	-	-	1 ¼"	1 ¼"	16,7
PULSAR DRY CB 40/50 MNA	60210553	1 x 230 V ~	1,2	0,77	1	5,4		57	53	48	36	22	-	-	1 ¼"	1 ¼"	17,3
PULSAR DRY CB 50/50 M-NA	60210554	1 x 230 V ~	1,6	1,13	1,5	7,35		72	68	60	46,5	31	-	-	1 ¼"	1 ¼"	18
PULSAR DRY CB 65/50 M-NA	60210555	1 x 230 V ~	1,9	1,3	1,7	8,3	H (m)	88	83	74	60	38,5	-	-	1 ¼"	1 ¼"	19
PULSAR DRY CB 30/80 M-NA	60210556	1,2	0,78	1,05	5,5	5,5		49	46	43	37	31	22,5	12	1 ¼"	1 ¼"	17
PULSAR DRY CB 40/80 M-NA	60210557	1,6	1,1	1,5	7,4	7,4		64	60	56	48	41	31	18	1 ¼"	1 ¼"	18
PULSAR DRY CB 50/80 M-NA	60210558	1,9	1,3	1,7	8,3	8,3		75	71	66	60	50	37	20	1 ¼"	1 ¼"	19

A = Automatic with float.
NA = Not automatic without float.

CONTROL BOX PULSAR DRY

Electric control panel for operation of Pulsar Dry CB single-phase submersible electric pumps, containing manually resettable thermal protection, capacitor, and terminals for the connection of a pressure switch/float switch.
Cabinet for wall mounting in a flame-proof, thermoplastic material.

	SINGLE-PHASE BOX MODEL	CODE	PUMP MODEL COMBINATION	MOTOR POWER kW	PROTECTION AMPER. AMP	CAPACITOR µF	WEIGHT KG
	**CONTROL BOX PULSAR 0.9**	60210296	**PULSAR CB 30/50 M**	0,65	6	20	1,7
	CONTROL BOX PULSAR 1	60210297	**PULSAR CB 40/50 M**	0,75	7	20	1,7
			PULSAR CB 30/80 M				
	CONTROL BOX PULSAR 1.5	60210298	**PULSAR CB 50/50 M**	1,1	9	25	1,7
			PULSAR CB 40/80 M				
	CONTROL BOX PULSAR 1.75	60210299	**PULSAR CB 65/50 M**	1,3	10	30	1,7
			PULSAR CB 50/80 M				

DIVERTEK

SUBMERSIBLE MULTI-IMPELLER PUMP

Submersible multi-impeller pump for clean water, designed for pressurization, rainwater reuse, gardening and irrigation in residential building service.
This pump is ideal for the use in rainwater recovery systems and for drawing water from a cistern or a tank.
Available in manual or automatic version with floats.
The automatic version has a single-phase motor and a float switch for protection against dry running.
It does not require a control panel.
The starting capacitor is accessible without disassembling the pump; the motor has integrated thermal protection against overheating.
The pumps is equipped with retractable carrying handle, technopolymer anti-debris filter, non-return valve and 15 meter power cable with Shuko plug.
A four-section reducer fitting is supplied as standard.

Flow rate from 1 m^3/h to 6 m^3/h
Head up to 45 m (model 900);
30 m (model 650);
25 m (model 500).
Maximum immersion depth 12 m
Type of pumped liquid Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral
Liquid temperature range From 0°C to +40°C
Maximum operation depth 15 m
Flanges, thread 1" (supplied as standard with a four-section fitting-reducer)
Pump maximum diameter 160 mm
Impeller/s material Technopolymer
Maximum number of starts 20/h
Protection class IP 68
Motor insulation class F
Single phase power input 230 V 50 Hz
Power cable (m) and plug
15 m H07RNF with power plug.
Possible type of installation
Fixed or removable, in vertical position
Special versions on request Cable of different lengths, different type of power plug

DIVERTEK

ACCESSORIES PAGE 369

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									N° IMPELLERS	DNM GAS	WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 KW	P2 NOMINAL		In A	Q=m^3h	0	1,2	1,8	2,4	3,0	3,6	4,2	4,8				
				kW	HP		Q=l/min	0	20	30	40	50	60	70	80				
DIVERTEK 500 A	60203224	1 x 220-240 V ~	530	0,34	0,46	2,5	H (m)	25,2	23,2	22	19,8	17,3	14,4	11,4	7,9	2	1"	9,1	40
DIVERTEK 650 A	60203222	1 x 220-240 V ~	630	0,42	0,56	2,9		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2	2	1"	9,1	40
DIVERTEK 650 NA	60209617	1 x 220-240 V ~	630	0,42	0,56	2,9		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2	2	1"	9,1	40
DIVERTEK 900 A	60203221	1 x 220-240 V ~	920	0,56	0,75	4,2		44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6	3	1"	10,6	40

DIVERTRON

SUBMERSIBLE MULTI-IMPELLER ELECTRONIC PUMPS

DIVERTRON

Submersible electronic multi-impeller pump for clean water designed for pressurization, reuse of rainwater, gardening and irrigation in residential building service.
It integrates a pressure switch, a flow sensor and control electronics for automatic switching on and off.
The automatic operation allows the pump to start and stop autonomously according to the requirements of the system and protects it from dry running.
Supplied with integrated start capacitor, it is installed in a compartment accessible without disassembling the pump, a non-return valve and a 15 meter power cable with plug.
The pump is available with technopolymer anti-debris filter or with connection for float suction kit (X version).
It is recommended the installation of a small auxiliary expansion tank.

Flow rate from 1 m³/h to 6 m³/h
Head up to
45 m (900 version) - 30 m (650 version)
Maximum immersion depth 12 m
Type of pumped liquid Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Liquid temperature range From 0°C to +40°C
Maximum operation depth 15 m
Flanges, thread 1" (supplied as standard with a four-section fitting-reducer)
Pump maximum diameter 160 mm.
Impeller/s material Technopolymer
Maximum number of starts 20/h
Protection class IP 68
Motor insulation class F
Single phase power input 230 V 50 Hz
Power cable (m) and plug
15 m H07RNF with power plug
Possible type of installation
Fixed or removable, in vertical position
Special versions on request Cable of different length, different type of power plug

ACCESSORIES PAGE 369

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA									N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	Q.TÁ x PALLET
		VOLTAGE 50 Hz	P1 W	P2 NOMINAL kW	P2 NOMINAL HP	In A	Q=m³h	0	1,2	1,8	2,4	3,0	3,6	4,2	4,8					
							Q=l/min	0	20	30	40	50	60	70	80					
DIVERTRON 650	60209375	1 x 220-240 V ~	630	0,42	0,56	2,9	H (m)	29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2	2	-	1"	9,5	32
DIVERTRON 650 A	60203223	1 x 220-240 V ~	630	0,42	0,56	2,9		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2	2	-	1"	9,5	32
DIVERTRON X 650	60208444	1 x 220-240 V ~	630	0,42	0,56	2,9		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2	2	1"	1"	9,5	32
DIVERTRON 900	60209373	1 x 220-240 V ~	920	0,56	0,75	4,2		44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6	3	-	1"	11	32
DIVERTRON 900 A	60203220	1 x 220-240 V ~	920	0,56	0,75	4,2		44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6	3	-	1"	11	32
DIVERTRON X 900	60208443	1 x 220-240 V ~	920	0,56	0,75	4,2		44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6	3	1"	1"	11	32
DIVERTRON X 650 +1M SUCTION KIT	60209611	1 x 220-240 V ~	630	0,42	0,56	2,9		30,4	27,7	25,8	23	19,7	15,2	10,3	4,8	2	1"	1"	10,5	12
DIVERTRON X 900 +1M SUCTION KIT	60209596	1 x 220-240 V ~	920	0,56	0,75	4,2		45,8	42,1	39,4	35,6	31,1	25,2	18,8	11,9	3	1"	1"	12	12

DTRON 2

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

7" submersible electronic multi-impeller pump designed for use in water wells, tanks or cisterns. The pump is suitable for use in residential building service for pressurization, rainwater reuse and gardening and irrigation.
The pressure switch and flow switch integrated with the electronic board, make the pump completely automatic for the switching on/off and dry running protection. It integrates a double mechanical seal, a not return valve and a handle for ease transport and installation. Built with a innovative modular design: the hydraulic part, the motor, the electrical part and the filter can be disassembled separately, simplifying the maintenance activity.
The suction height is adjustable from the bottom up to 8 cm using the special accessory supplied as standard. A float can be connected without compromising the water tightness of the pump thanks to the NFC pocket. Integrated 0.04-litre expansion vessel with no need for maintenance or refilling. The cable has a quick coupling for easier installation inside the tank/cistern.
The pump is also available in X version with 1" intake and kit X which includes 1 meter suction hose and float to prevent the suction of impurities from the bottom. The whole pump is classified as IP 68. With the accessory DOC68 (supplied separately) becomes a surface pump to be used under the water level.
* Certified version for drinking water is available on request.

Flow rate maximum 7,2 m³/h.
Head up to 45 m.
Maximum immersion depth 12 m.
Type of pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Free passage 2 mm.
Liquid temperature range from +0°C to +50°C.
Maximum immersion depth 15 m.
Set cut-in 2,4 bar (+-0,2).
Outlet connection Thread 1" 1/4.
Pump maximum diameter 185 mm.
Protection class IP 68.
Motor insulation class F.
Power cable (m) and plug 15 m with plug.
Possible type of installation Fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

DTRON 2

ONLINE TRAINING

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q=m³h	0	0,7	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,3	6,6	7,3	7,5		
							Q=l/min	0	11	20	30	40	50	60	70	80	90	100	105	110	122	125		
DTRON2 35/90	60195238	1 x 220-240 V ~	0,75	0,52	0,7	3,4	H (m)	37,0	35,9	35,0	33,0	30,0	26,7	22,7	18,5	13,4	7,6	0,6					11,4	15
DTRON2 45/90	60188290	1 x 220-240 V ~	0,93	0,6	0,8	4,2		45,0	43,0	41,2	38,0	34,2	29,7	24,7	20,0	15,0	9,0	2,5	0,6				11,4	15
DTRON2 35/120	60195251	1 x 220-240 V ~	0,9	0,6	0,8	4		38,0	37,6	36,3	34,0	31,5	28,9	26,0	23,2	20,0	16,3	12,0	9,8	7,5	2,2	0,7	11,4	15

X VERSION

MODEL	CODE
DTRON2 X 35/90	60195250
DTRON2 X 45/90	60195236
DTRON2 X 35/120	60195257
DTRON2 X 35/90 + 1m SUCTION KIT	60196488
DTRON2 X 45/90 + 1m SUCTION KIT	60196489
DTRON2 X 35/120 + 1m SUCTION KIT	60196490

DTRON 2 DIMENSIONS
ø 18,5 x 61 cm

The photo is purely indicative, the accessory is supplied unassembled.

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https://dtron.dabpumps.com

DTRON 3

7" ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS

7" electronic submersible multi-impeller pump for clean water designed for use in wells, cisterns or tanks. It can be use submerged, partially submerged or on the surface (with the appropriate accessory).
It is suitable for use in residential building service for pressurization, reuse of rainwater and gardening and irrigation activities.
The pressure sensor and a flow meter integrated with the electronic board, make the pump completely automatic for the switching on/off and dry running protection. It integrates a double mechanical seal, a not return valve and a handle for ease transport and installation. Suction height can be adjusted from the bottom up to 8 cm using the special accessory supplied as standard. It is possible to connect a float without compromising the watertight seal of the pump thanks to the NFC (Near Field Communication) pocket.
The starting pressure is adjustable through the Com Box, supplied as standard. Integrated 0.04-litre expansion vessel with no need for maintenance or refilling. 15 meter power cable with plug. The Com Box allows you to set the start pressure and to control the alarms.
Pump available le in the X version with 1" inlet and X kit which includes the 1 meter suction tube and float to prevent the suction of impurities from the bottom.
The entire pump is IP 68 certified. With the DOC68 accessory (supplied separately) it becomes an IP 68 surface pump to be used under head.
* Certified version for drinking water available on request.

Flow rate maximum 7,2 m³/h.
Head up to 45 m.
Maximum immersion depth 12 m.
Type of pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Free passage 2 mm.
Liquid temperature range from +0°C to +50°C.
Maximum immersion depth 15 m.
Set cut-in 2,4 bar (+-0,2).
Outlet connection Thread 1" 1/4.
Pump maximum diameter 185 mm.
Protection class IP 68.
Motor insulation class F.
Power cable (m) and plug 15 m with plug.
Possible type of installation Fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, under the water level, or outside in a vertical position with the DOC68 accessory (supplied separately).

DTRON 3

ONLINE TRAINING

ACCESSORIES PAGE 369

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG	Q.TY x PALLET
		VOLTAGE 50 Hz	P1 kW	P2 kW	P2 HP	In A	Q=m³h	0	0,7	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,3	6,6	7,3	7,5		
							Q=l/min	0	11	20	30	40	50	60	70	80	90	100	105	110	122	125		
DTRON3 35/90	60195016	1 x 220-240 V ~	0,75	0,52	0,7	3,4	H (m)	37,0	35,9	35,0	33,0	30,0	26,7	22,7	18,5	13,4	7,6	0,6					11,6	15
DTRON3 45/90	60188287	1 x 220-240 V ~	0,93	0,6	0,8	4,2		45,0	43,0	41,2	38,0	34,2	29,7	24,7	20,0	15,0	9,0	2,5	0,6				11,6	15
DTRON3 35/120	60195034	1 x 220-240 V ~	0,9	0,6	0,8	4		38,0	37,6	36,3	34,0	31,5	28,9	26,0	23,2	20,0	16,3	12,0	9,8	7,5	2,2	0,7	11,6	15

X VERSION

MODEL	CODE
DTRON3 X 35/90	60195012
DTRON3 X 45/90	60194987
DTRON3 X 35/120	60195032
DTRON3 X 35/90 +1m SUCTION KIT	60196491
DTRON3 X 45/90 +1m SUCTION KIT	60196492
DTRON3 X 35/120 +1m SUCTION KIT	60202519

DTRON 3 DIMENSIONS
ø 18,5 x 65 cm

The photo is purely indicative, the accessory is supplied unassembled.

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https://dtron.dabpumps.com

MICRA HS

HIGH SPEED 3" SUBMERSIBLE PUMPS

3" submersible pump for pressurization, gardening, irrigation and subsurface water removal tasks in residential building service.
It can be installed in wells of at least 3" or in cisterns and tanks; Micra HS makes it possible to increase the pressure of the water trapped and to use it to water the garden or the vegetable garden.
Micra HS is supplied with the Active Driver Plus variable frequency drive, which allows the pump motor speed to be adjusted according to requirements, thus allowing energy savings and increasing the maximum motor rotation speed (up to 130 Hz or 7600 rpm) to allow better performance compared to pumps of the same size.
Pump and motor coupled by rigid joint. Not return valve integrated in the cylinder head. Two-pole asynchronous submersible electric motor with stator immersed in thermosetting insulating resin, with high heat dissipation capacity and encapsulated in a hermetic stainless steel casing.
The DConnect service makes remote control possible (with DConnect Box supplied separately).

Power supply tolerance
230 V (+10% / -20%) single-phase.

Rotation speed 7.600 rpm (130 Hz).

Pump voltage 230 V three-phase.

Operating range
from 1 to 5 m^3/h with head up to 150 m.

Pumped liquid clean, free of solid or abrasive contaminants, not viscous, not aggressive, chemically neutral, similar to water properties.
Maximum permissible sand quantity: 50 g/m^3.
Liquid temperature range: from 0°C up to +35°C.
Installation: boreholes ≥ 3" diameter and tanks in vertical position. In case of horizontal installation, ensure a minimum load applied to the thrust bearings.

Power lead cable 1,4 m or 60 m removable cable (available also as optional single unit shielded cable 30m, 60m, 90m long).
The package contains the pump (hydraulic part and motor) with standard cable and Active Driver.

D+CONNECT PAGE 11 | AD PLUS PAGE 47 | ACCESSORIES PAGE 369

MODEL	1,4 METERS CABLE	60 METERS CABLE	ELECTRICAL DATA		Q	HYDRAULIC DATA (n ~ 6300 1/min)										DNM GAS
	CODE	CODE	VOLTAGE 50 Hz	P1 MAX kW	m^3/h	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	
					l/min	8	17	25	33	42	50	58	67	75	84	
MICRA HS 2/5	60180974	60192436	1x230 V ~	1,1	H (m)	80	68	55	40	24						1"
MICRA HS 2/7	60180975	60192437	1x230 V ~	1,4		105	90	73	55	32						1"
MICRA HS 2/9	60180976	60192438	1x230 V ~	1,7		128	108	87	62	38						1"
MICRA HS 2/11	60180977	60192439	1x230 V ~	2,0		150	130	102	75	45						1"
MICRA HS 3/2	60180978	60192440	1x230 V ~	1,0				40	37	33	29	24	20			1"
MICRA HS 3/3	60180979	60192441	1x230 V ~	1,3				52	48	43	38	34	28			1"
MICRA HS 3/4	60180980	60192442	1x230 V ~	1,6				65	61	56	50	44	36			1"
MICRA HS 3/5	60180981	60192443	1x230 V ~	1,9				78	74	68	61	54	45			1"
MICRA HS 4/3	60180982	60192444	1x230 V ~	1,6						50	46	42	39	35	29	1"
MICRA HS 4/4	60180983	60192445	1x230 V ~	1,9						63	59	55	49	43	34	1"

MICRA

3" SUBMERSIBLE PUMPS

CB(1)

BOOSTER

(1)Required for single-phase versions

Centrifugal type. Directly coupled pump and motor with rigid coupling. Impellers and thrust rings in Noryl and diffusers in self-lubricating polyacetyl. Pump liner, shaft and coupling, strainer and cable sheath in stainless steel. Base support and head in brass with check valve incorporated in head. Submersible asynchronous two-pole motor made entirely of AISI 304 stainless steel with brass bearings. Squirrel cage rotor in copper mounted on Kingsbury thrust block. Cooling of the thrust bearing assembly and the bushings is provided by water, thereby eliminating the risk of oil contamination. **Stainless steel canned stator, filled with thermosetting resin with high insulation property and better thermal dissipation capability.**
The automatic reset thermal protection device is integral with the motor.

Liquid quality requirements clean, free of solid or abrasive contaminants, not viscous, chemically neutral, close to the properties of water.

Liquid temperature range From 0°C to +35°C.

Maximum permissible sand quantity 40 g/m^3.

Protection rating IP 68.

Heat insulation class F.

Max. number of starts 20/h.

Power cable
MICRA 50 - 1 m.
MICRA 75 - 1,2 m.
MICRA 100 - 1,4 m.
Ready-to-install kit available including single phase electric pump with 15m cable and double capacitor control panel.

ACCESSORIES
PAGE 369

MODEL	CODE	ELECTRICAL DATA					DNM GAS	WEIGHT KG	HYDRAULIC DATA (n ~ 2800 1/min)									
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW	P2 NOMINAL HP	In A			Q m^3/h l/min	0,3 5	0,6 10	0,9 15	1,2 20	1,5 25	1,8 30	2,1 35	2,4 40	2,7 45
MICRA 50 M	0090114	1x230 V ~	0,65	0,37	0,5	3,3	1"	9	H (m)	45	41	38	35	31	27	21	14	6
MICRA 75 M	0090418	1x230 V ~	0,95	0,55	0,75	5,1	1"	10,2		68	64	59	54	48	42	33	23	11
MICRA 75 T	0090618	3x400 V ~	0,9	0,55	0,75	1,9	1"	10,2		68	64	59	54	48	42	33	23	11
MICRA 100 M	0090817	1x230 V ~	1,2	0,75	1	6,1	1"	13,6		90	84	78	72	65	56	44	30	14
MICRA 100 T	0090944	3x400 V ~	1,15	0,75	1	2,4	1"	13,6		90	84	78	72	65	56	44	30	14
MICRA 50 M +15 mt. CABLE +Control Box Booster*	0090116	1x230 V ~	0,65	0,37	0,5	3,3	1"	12,7		45	41	38	35	31	27	21	14	6
MICRA 75 M +15 mt. CABLE +Control Box Booster*	0090419	1x230 V ~	0,95	0,55	0,75	5,1	1"	14,1		68	64	59	54	48	42	33	23	11
MICRA 100 M +15 mt. CABLE +Control Box Booster*	0090818	1x230 V ~	1,2	0,75	1	6,1	1"	16,4		90	84	78	72	65	56	44	30	14

* Double capacitor booster control panel to optimize the starting torque

S4 AMEIRA WITH WATER FILLED MOTOR

4" SUBMERSIBLE PUMPS

AMEIRA
S4 SUBMERSIBLE PUMPS

The S4 AMEIRA are a 4 inches multi-impeller borehole pumps for clean water, designed for water boosting, gardening and irrigation, lifting water from boreholes in domestic and residential, civil and commercial applications and irrigation systems also for agriculture.
Hydraulic part and motor made of AISI 304 stainless steel and technopolymer for parts in contact with water. Technopolymer impellers and diffusers. Built-in not return valve and suction filter. Single-phase version with manually resettable overload protection and capacitor in the electric control panel to be ordered separately (except for the kit version). Overload protection to be provided by the user for the three-phase version.
Water filled motor, stainless steel canned stator, filled with thermosetting resin with high insulation property and better thermal dissipation capability.
Available: only pump body, pump body with water or oil-filled motor and kit with pump body and motor, power supply cable, cord and control box.
All the model have the ACS, WRAS and DM174 certificates.

Flow rate up to 21,6 m^3/h.
Head up to 427 m.
Type of pumped liquid clean, free of solids and abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Pump maximum diameter 99 mm.
Maximum amount of sand 150 g/m^3.
Impellers material
Technopolymer.
Liquid temperature range
From 0°C to +40°C.
Max immersion depth
4GG: 300 m.
Motor protection class IP 68.
Motor insulation class F.

ErP ready | ATTESTATION DE CONFORMITE SANITAIRE ACS | WRAS APPROVED PRODUCT | DM 174 | SAND RESISTANT

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V						VOLTAGE 3x400 ~ V			VOLTAGE 3x230 ~ V		
							KIT WITH: pump, 4GG motor, power supply cable, control box and cord								
	kW	HP		CODE	In A	WEIG. (Kg)	CONTROL BOX CODE	KIT CODE	CABLE LENGTH	WEIG. (Kg)	CODE	In A	WEIG. (Kg)	CODE	In A	WEIG. (Kg)
S4 1/13	0,37	0,5	1" ¼	60190949	3,3	10,6	108003210	60191458	15	14,7	60191135	1,6	9,9	60190986	2,7	9,9
S4 1/19	0,55	0,75	1" ¼	60190950	4,6	13,3	108003220	60191459	30	19,8	60191136	1,9	11,6	60190987	3,3	11,6
S4 1/26	0,75	1	1" ¼	60190951	6,2	15,2	108003270	60191460	30	21,7	60191137	2,4	14,2	60190988	4,1	14,2
S4 1/37	1,1	1,5	1" ¼	60190952	8,6	19,1	108003280	60191461	40	27,8	60191138	3,2	16,9	60190989	5,5	16,9
S4 1/48	1,5	2	1" ¼	60190953	11	22,7	108003290	60191462 **	40	31,4	60191139	4,4	20,5	60190990	7,6	20,5
S4 2/7	0,37	0,5	1" ¼	60190954	3,3	9,9	108003210	60191463	15	14,0	60191141	1,6	9,2	60190991	2,7	9,2
S4 2/10	0,55	0,75	1" ¼	60190955	4,6	12,1	108003220	60191464	15	16,2	60191142	1,9	10,4	60190992	3,3	10,4
S4 2/14	0,75	1	1" ¼	60190956	6,2	13,6	108003270	60191465	30	20,1	60191143	2,4	12,6	60190993	4,1	12,6
S4 2/20	1,1	1,5	1" ¼	60190957	8,6	16,7	108003280	60191466	40	25,4	60191144	3,2	14,5	60190994	5,5	14,5
S4 2/28	1,5	2	1" ¼	60190958	11	20,6	108003290	60191467	40	29,3	60191145	4,4	18,4	60190995	7,6	18,4
S4 2/40	2,2	3	1" ¼	60190959	15	24	108003300	60191468 **	40	32,7	60191146	5,9	23,3	60190996	10,2	23,3
S4 2/52	3	4	1" ¼								60191147	8,3	31,9	60190997	14,3	31,9
S4 3/6	0,37	0,5	1" ¼	60190960	3,3	10,1	108003210	60191469	15	14,2	60191148	1,6	9,4	60190998	2,7	9,4
S4 3/9	0,55	0,75	1" ¼	60190961	4,6	12,3	108003220	60191470	15	16,4	60191149	1,9	10,6	60190999	3,3	10,6
S4 3/13	0,75	1	1" ¼	60190962	6,2	13,8	108003270	60191471	30	20,3	60191150	2,4	12,8	60191000	4,1	12,8
S4 3/19	1,1	1,5	1" ¼	60190963	8,6	17,3	108003280	60191472	40	26,0	60191151	3,2	15,1	60191004	5,5	15,1
S4 3/25	1,5	2	1" ¼	60190964	11	20,2	108003290	60191473	40	28,9	60191152	4,4	18	60191005	7,6	18
S4 3/32	2,2	3	1" ¼	60192298	15	22,4	108003300	60192306 **	40	31,1	60192302	5,9	19,5	60192299	10,2	19,5
S4 3/39	2,2	3	1" ¼	60190965	15	24,5	108003300	60191474 **	40	33,2	60191153	5,9	23,8	60191006	10,2	23,8
S4 3/45	3	4	1" ¼								60192303	8,3	31,6	60192300	14,3	31,6
S4 3/51	3	4	1" ¼								60191154	8,3	32,9	60191007	14,3	32,9
S4 3/67	4	5,5	1" ¼								60191155	10	63	60191008	17,3	63

** Motor and pump are disassembled in the same package in the Kit version
* Control box not included

S4 AMEIRA WITH WATER FILLED MOTOR

4" SUBMERSIBLE PUMPS

MODEL	P2 NOMINAL kW	P2 NOMINAL HP	DNM	VOLTAGE 1x230 ~ V CODE	In A	WEIG. (Kg)	CONTROL BOX CODE	KIT WITH: pump, 4GG motor, power supply cable, control box and cord KIT CODE	CABLE LENGTH	WEIG. (Kg)	VOLTAGE 3x400 ~ V CODE	In A	WEIG. (Kg)	VOLTAGE 3x230 ~ V CODE	In A	WEIG. (Kg)
S4 4/4	0,37	0,5	1" ¼	60190966	3,3	9,6	108003210	60191475	15	13,7	60191156	1,6	8,9	60191009	2,7	8,9
S4 4/7	0,55	0,75	1" ¼	60190967	4,6	11,8	108003220	60191476	15	15,9	60191157	1,9	10,1	60191010	3,3	10,1
S4 4/9	0,75	1	1" ¼	60190968	6,2	13,2	108003270	60191477	15	17,3	60191158	2,4	12,2	60191011	4,1	12,2
S4 4/14	1,1	1,5	1" ¼	60190969	8,6	16,3	108003280	60191478	30	22,8	60191159	3,2	14,1	60191012	5,5	14,1
S4 4/19	1,5	2	1" ¼	60190970	11	19,8	108003290	60191479	40	28,5	60191160	4,4	17,6	60191013	7,6	17,6
S4 4/27	2,2	3	1" ¼	60190971	15	22,3	108003300	60191480	40	31,0	60191161	5,9	21,6	60191014	10,2	21,6
S4 4/35	3	4	1" ¼								60191162	8,3	29,7	60191015	14,3	29,7
S4 4/48	4	5,5	1" ¼								60191163	10	35,6	60191016	17,3	35,6
S4 4/62	5,5	7,5	1" ¼								60191164	14	41,5	60191017	24,2	41,5
S4 6/5	0,55	0,75	1" ¼	60190972	4,6	11,8	108003220	60191481	15	15,9	60191165	1,9	10,1	60191018	3,3	10,1
S4 6/7	0,75	1	1" ¼	60190973	6,2	13,2	108003270	60191482	15	17,3	60191166	2,4	12,2	60191021	4,1	12,2
S4 6/10	1,1	1,5	1" ¼	60190974	8,6	16,1	108003280	60191483	15	20,2	60191167	3,2	13,9	60191022	5,5	13,9
S4 6/14	1,5	2	1" ¼	60190975	11	19,1	108003290	60191484	30	25,6	60191168	4,4	16,9	60191023	7,6	16,9
S4 6/21	2,2	3	1" ¼	60190976	15	22,5	108003300	60191485**	30	29,0	60191169	5,9	21,8	60191024	10,2	21,8
S4 6/29	3	4	1" ¼								60191170	8,3	30,4	60191025	14,3	30,4
S4 6/38	4	5,5	1" ¼								60191172	10	36,1	60191026	17,3	36,1
S4 6/52	5,5	7,5	1" ¼								60191173	14	66,6	60191027	24,2	66,6
S4 6/61	7,5	10	1" ¼								60192304	17,4	75	60192301	30,1	75
S4 8/5	0,75	1	2"	60190977	6,2	13,4	108003270	60191486	15	17,5	60191174	2,4	12,4	60191028	4,1	12,4
S4 8/7	1,1	1,5	2"	60190978	8,6	16,3	108003280	60191487	15	20,4	60191175	3,2	14,1	60191029	5,5	14,1
S4 8/9	1,5	2	2"	60190979	11	19,1	108003290	60191488	15	23,2	60191176	4,4	16,9	60191030	7,6	16,9
S4 8/15	2,2	3	2"	60190980	15	21,9	108003300	60191489 **	30	28,4	60191177	5,9	21,2	60191041	10,2	21,2
S4 8/21	3	4	2"								60191178	8,3	29,5	60191042	14,3	29,5
S4 8/27	4	5,5	2"								60191179	10	36,2	60191043	17,3	36,2
S4 8/35	5,5	7,5	2"								60192320	14	41,8	60192336	24,2	41,8
S4 8/38	5,5	7,5	2"								60191180	14	66,6	60191044	24,2	66,6
S4 8/47	7,5	10	2"								60192321	17,4	74,8	60192319	30,1	74,8
S4 8/50	7,5	10	2"								60191181	17,4	78,2	60191045	30,1	78,2
S4 12/6	1,1	1,5	2"	60190981	8,6	16,3	108003280	60191490	15	20,4	60191185	3,2	14,1	60191046	5,5	14,1
S4 12/9	1,5	2	2"	60190982	11	19,8	108003290	60191491	15	23,9	60191186	4,4	17,6	60191047	7,6	17,6
S4 12/13	2,2	3	2"	60190983	15	21,7	108003300	60191492 **	15	25,8	60191187	5,9	21	60191048	10,2	21
S4 12/18	3	4	2"								60191188	8,3	31	60191049	14,3	31
S4 12/24	4	5,5	2"								60191189	10	35,9	60191050	17,3	35,9
S4 12/34	5,5	7,5	2"								60191190	14	67,9	60191051	24,2	67,9
S4 12/44	7,5	10	2"								60191191	17,4	78,8	60191052	30,1	78,8
S4 16/8	1,5	2	2"	60190984	11	20	108003290	60191493	15	24,1	60191192	4,4	17,8	60191053	7,6	17,8
S4 16/12	2,2	3	2"	60190985	15	23,2	108003300	60191494 **	15	27,3	60191193	5,9	22,5	60191054	10,2	22,5
S4 16/16	3	4	2"								60191194	8,3	32	60191055	14,3	32
S4 16/21	4	5,5	2"								60191195	10	38,5	60191056	17,3	38,5
S4 16/29	5,5	7,5	2"								60191196	14	71,1	60191057	24,2	71,1
S4 16/38	7,5	10	2"								60191197	17,4	85,8	60191058	30,1	85,8

** Motor and pump are disassembled in the same package in the Kit version

* Control box not included

S4 AMEIRA WITH OIL FILLED MOTOR

4" SUBMERSIBLE PUMPS

AMEIRA
S4 SUBMERSIBLE PUMPS

The S4 AMEIRA are a 4 inches multi-impeller borehole pumps for clean water, designed for water boosting, gardening and irrigation, lifting water from boreholes in domestic and residential, civil and commercial applications and irrigation systems also for agriculture.
Hydraulic part and motor made of AISI 304 stainless steel and technopolymer for parts in contact with water. Technopolymer impellers and diffusers. Built-in not return valve and suction filter. Single-phase version with manually resettable overload protection and capacitor in the electric control panel to be ordered separately (except for the kit version). Overload protection to be provided by the user for the three-phase version.
Oil filled motor, rewindable stator.
Available: only pump body, pump body with water or oil-filled motor and kit with pump body and motor, power supply cable, cord and control box.
All the model have the ACS, WRAS and DM174 certificates.

Flow rate up to 21,6 m^3/h.
Head up to 427 m.
Type of pumped liquid clean, free of solids and abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.
Pump maximum diameter 99 mm.
Maximum amount of sand 150 g/m^3.
Impellers material
Technopolymer.
Liquid temperature range
From 0°C to +40°C.
Max immersion depth
40L: 250 m.
Motor protection class IP 68.
Motor insulation class F.

ErP ready | ATTESTATION DE CONFORMITE SANITAIRE ACS | WRAS APPROVED PRODUCT | DM 174 | SAND RESISTANT

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V						VOLTAGE 3x400 ~ V			VOLTAGE 3x230 ~ V		
							KIT WITH: pump, 40L motor, power supply cable, control box and cord								
	kW	HP		CODE	In A	WEIG. (Kg)	CONTROL BOX CODE	KIT CODE	CABLE LENGTH	WEIG. (Kg)	CODE	In A	WEIG. (Kg)	CODE	In A	WEIG. (Kg)
S4 1/13	0,37	0,5	1" ¼	60190751	3,5	10,2	108003210	60191402	15	14,3	60190851	1,2	10,2	60190788	2,1	10,2
S4 1/19	0,55	0,75	1" ¼	60190752	4,5	12,1	108003220	60191403	30	18,6	60190852	2,2	11,2	60190789	3,8	11,2
S4 1/26	0,75	1	1" ¼	60190753	6,3	14,3	108003270	60191404	30	20,8	60190853	2,6	13	60190790	4,5	13
S4 1/37	1,1	1,5	1" ¼	60190754	8,5	17	108003280	60191405	40	25,7	60190854	3,6	16	60190791	6,2	16
S4 1/48	1,5	2	1" ¼	60190755	10,8	20,4	108003290	60191406 **	40	29,1	60190855	4,6	18,4	60190792	7,9	18,4
S4 2/7	0,37	0,5	1" ¼	60190756	3,5	9,5	108003210	60191407	15	13,6	60190858	1,2	9,5	60190795	2,1	9,5
S4 2/10	0,55	0,75	1" ¼	60190757	4,5	10,9	108003220	60191408	15	15,0	60190859	2,2	10	60190796	3,8	10
S4 2/14	0,75	1	1" ¼	60190758	6,3	12,7	108003270	60191409	30	19,2	60190860	2,6	11,4	60190797	4,5	11,4
S4 2/20	1,1	1,5	1" ¼	60190759	8,5	14,6	108003280	60191410	40	23,3	60190861	3,6	13,6	60190798	6,2	13,6
S4 2/28	1,5	2	1" ¼	60190760	10,8	18,3	108003290	60191411	40	27,0	60190862	4,6	16,3	60190799	7,9	16,3
S4 2/40	2,2	3	1" ¼	60190761	15	23,8	108003300	60191412 **	40	32,5	60190863	6	22,7	60190800	10,4	22,7
S4 2/52	3	4	1" ¼								60190864	7,5	27,3	60190801	13	27,3
S4 3/6	0,37	0,5	1" ¼	60190762	3,5	9,7	108003210	60191413	15	13,8	60190865	1,2	9,7	60190802	2,1	9,7
S4 3/9	0,55	0,75	1" ¼	60190763	4,5	11,1	108003220	60191414	15	15,2	60190866	2,2	10,2	60190803	3,8	10,2
S4 3/13	0,75	1	1" ¼	60190764	6,3	12,9	108003270	60191415	30	19,4	60190867	2,6	11,6	60190804	4,5	11,6
S4 3/19	1,1	1,5	1" ¼	60190765	8,5	15,2	108003280	60191416	40	23,9	60190873	3,6	14,2	60190805	6,2	14,2
S4 3/25	1,5	2	1" ¼	60190766	10,8	17,9	108003290	60191417	40	26,6	60190874	4,6	15,9	60190806	7,9	15,9
S4 3/32	2,2	3	1" ¼	60192291	15	22,2	108003300	60192305 **	40	30,9	60192295	6	21,1	60192292	10,4	21,1
S4 3/39	2,2	3	1" ¼	60190767	15	24,3	108003300	60191418 **	40	33,0	60190875	6	23,2	60190807	10,4	23,2
S4 3/45	3	4	1" ¼								60192296	7,5	27	60192293	13	27
S4 3/51	3	4	1" ¼								60190876	7,5	28,3	60190808	13	28,3
S4 3/67	4	5,5	1" ¼								60190877	9,6	56,3	60190809	16,6	56,3

** Motor and pump are disassembled in the same package in the Kit version
* Control box not included

S4 AMEIRA WITH OIL FILLED MOTOR

4" SUBMERSIBLE PUMPS

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V						VOLTAGE 3x400 ~ V			VOLTAGE 3x230 ~ V		
								KIT WITH: pump, 40L motor, power supply cable, control box and cord							
	kW	HP		CODE	In A	WEIGHT (Kg)	CONTROL BOX CODE	KIT CODE	CABLE LENGTH	WEIGHT (Kg)	CODE	In A	WEIGHT (Kg)	CODE	In A	WEIGHT (Kg)
S4 4/4	0,37	0,5	1" ¼	60190768	3,5	9,2	108003210	60191419	15	13,3	60190878	1,2	9,2	60190810	2,1	9,2
S4 4/7	0,55	0,75	1" ¼	60190769	4,5	10,6	108003220	60191420	15	14,7	60190879	2,2	9,7	60190811	3,8	9,7
S4 4/9	0,75	1	1" ¼	60190770	6,3	12,3	108003270	60191421	15	16,4	60190880	2,6	11	60190812	4,5	11
S4 4/14	1,1	1,5	1" ¼	60190771	8,5	14,2	108003280	60191422	30	20,7	60190881	3,6	13,2	60190813	6,2	13,2
S4 4/19	1,5	2	1" ¼	60190772	10,8	17,5	108003290	60191423	40	26,2	60190882	4,6	15,5	60190814	7,9	15,5
S4 4/27	2,2	3	1" ¼	60190773	15	22,1	108003300	60191424	40	30,8	60190883	6	21	60190815	10,4	21
S4 4/35	3	4	1" ¼								60190884	7,5	25,1	60190816	13	25,1
S4 4/48	4	5,5	1" ¼								60190885	9,6	28,9	60190817	16,6	28,9
S4 4/62	5,5	7,5	1" ¼								60190886	13,1	38,3	60190818	22,6	38,3
S4 6/5	0,55	0,75	1" ¼	60190774	4,5	10,6	108003220	60191425	15	14,7	60190887	2,2	9,7	60190819	3,8	9,7
S4 6/7	0,75	1	1" ¼	60190775	6,3	12,3	108003270	60191426	15	16,4	60190896	2,6	11	60190820	4,5	11
S4 6/10	1,1	1,5	1" ¼	60190776	8,5	14	108003280	60191427	15	18,1	60190897	3,6	13	60190821	6,2	13
S4 6/14	1,5	2	1" ¼	60190777	10,8	16,8	108003290	60191428	30	23,3	60190898	4,6	14,8	60190822	7,9	14,8
S4 6/21	2,2	3	1" ¼	60190778	15	22,3	108003300	60191429 **	30	28,8	60190899	6	21,2	60190823	10,4	21,2
S4 6/29	3	4	1" ¼								60190900	7,5	25,8	60190824	13	25,8
S4 6/38	4	5,5	1" ¼								60190901	9,6	29,4	60190826	16,6	29,4
S4 6/52	5,5	7,5	1" ¼								60190902	13,1	63,4	60190827	22,6	63,4
S4 6/61	7,5	10	1" ¼								60192297	16,9	72,1	60192294	29,2	72,1
S4 8/5	0,75	1	2"	60190779	6,3	12,5	108003270	60191430	15	16,6	60190903	2,6	11,2	60190828	4,5	11,2
S4 8/7	1,1	1,5	2"	60190780	8,5	14,2	108003280	60191431	15	18,3	60190904	3,6	13,2	60190829	6,2	13,2
S4 8/9	1,5	2	2"	60190781	10,8	16,8	108003290	60191432	15	20,9	60190905	4,6	14,8	60190830	7,9	14,8
S4 8/15	2,2	3	2"	60190782	15	21,7	108003300	60191433 **	30	28,2	60190906	6	20,6	60190832	10,4	20,6
S4 8/21	3	4	2"								60190907	7,5	24,9	60190833	13	24,9
S4 8/27	4	5,5	2"								60190908	9,6	29,5	60190834	16,6	29,5
S4 8/35	5,5	7,5	2"								60192317	13,1	38,6	60192315	22,6	38,6
S4 8/38	5,5	7,5	2"								60190909	13,1	63,4	60190835	22,6	63,4
S4 8/47	7,5	10	2"								60192318	16,9	71,9	60192316	29,2	71,9
S4 8/50	7,5	10	2"								60190910	16,9	75,3	60190836	29,2	75,3
S4 12/6	1,1	1,5	2"	60190783	8,5	14,2	108003280	60191434	15	18,3	60190911	3,6	13,2	60190837	6,2	13,2
S4 12/9	1,5	2	2"	60190784	10,8	17,5	108003290	60191435	15	21,6	60190912	4,6	15,5	60190838	7,9	15,5
S4 12/13	2,2	3	2"	60190785	15	21,5	108003300	60191436 **	15	25,6	60190913	6	20,4	60190839	10,4	20,4
S4 12/18	3	4	2"								60190914	7,5	26,4	60190840	13	26,4
S4 12/24	4	5,5	2"								60190915	9,6	29,2	60190841	16,6	29,2
S4 12/34	5,5	7,5	2"								60190916	13,1	64,7	60190842	22,6	64,7
S4 12/44	7,5	10	2"								60190917	16,9	75,9	60190843	29,2	75,9
S4 16/8	1,5	2	2"	60190786	10,8	17,7	108003290	60191437	15	21,8	60190918	4,6	15,7	60190844	7,9	15,7
S4 16/12	2,2	3	2"	60190787	15	23	108003300	60191438 **	15	27,1	60190919	6	21,9	60190845	10,4	21,9
S4 16/16	3	4	2"								60190920	7,5	27,4	60190846	13	27,4
S4 16/21	4	5,5	2"								60190921	9,6	31,8	60190847	16,6	31,8
S4 16/29	5,5	7,5	2"								60190922	13,1	67,9	60190848	22,6	67,9
S4 16/38	7,5	10	2"								60190923	16,9	82,9	60190849	29,2	82,9

** Motor and pump are disassembled in the same package in the Kit version

* Control box not included

S4 AMEIRA

4" SUBMERSIBLE PUMPS

ONLY PUMP END

MODEL	CODE	ELECTRIC DATA			HYDRAULIC DATA																					H mm	DNM	WEIGHT KG
		P2 NOMINAL		Q=m³h	0	0,3	0,6	0,9	1,2	1,5	1,8	2,4	3,0	4,2	5,4	6,0	7,2	8,4	9,6	10,8	12,0	14,4	16,8	19,2	21,6			
		kW	HP	Q=l/min	0	5	10	15	20	25	30	40	50	70	90	100	120	140	160	180	200	240	280	320	360			
S4 1/13	60190691	0,37	0,5		83	78	69	56	41	22																438	1" ¼	3,7
S4 1/19	60190692	0,55	0,75		121	111	101	82	70	45																544	1" ¼	4,7
S4 1/26	60190693	0,75	1		173	163	148	125	98	65																667	1" ¼	5,6
S4 1/37	60190694	1,1	1,5		236	222	196	175	130	80																897	1" ¼	7,3
S4 1/48	60190695	1,5	2		306	289	255	225	175	100																1092	1" ¼	8,7
S4 2/7	60190696	0,37	0,5		47		44	42	40	38	35	28	18													358	1" ¼	3,0
S4 2/10	60190697	0,55	0,75		67		62	60	58	54	50	40	26													422	1" ¼	3,5
S4 2/14	60190698	0,75	1		94		90	86	80	76	70	56	36													506	1" ¼	4,0
S4 2/20	60190699	1,1	1,5		134		128	122	117	108	100	80	52													633	1" ¼	4,9
S4 2/28	60190700	1,5	2		188		180	171	163	151	140	112	73													689	1" ¼	6,6
S4 2/40	60190701	2,2	3		268		255	245	231	216	200	160	104													943	1" ¼	9,3
S4 2/52	60190702	3	4		348		331	319	302	281	260	208	135													1159	1" ¼	11,4
S4 3/6	60190703	0,37	0,5		33				32	31	30	26	23	13												378	1" ¼	3,2
S4 3/9	60190704	0,55	0,75		50				47	45	44	40	34	20												461	1" ¼	3,7
S4 3/13	60190705	0,75	1		72				68	66	64	57	50	29												572	1" ¼	4,2
S4 3/19	60190706	1,1	1,5		105				100	98	93	86	72	42												739	1" ¼	5,5
S4 3/25	60190707	1,5	2		138				130	127	122	110	95	55												784	1" ¼	6,2
S4 3/32	60192288	2,2	3		176				168	162	157	141	120	70												987	1" ¼	7,8
S4 3/39	60190708	2,2	3		215				204	198	191	172	147	86												1157	1" ¼	9,8
S4 3/45	60192289	3	4		247				233	228	220	198	170	99												1301	1" ¼	11,1
S4 3/51	60190709	3	4		280				267	260	250	224	193	112												1446	1" ¼	12,4
S4 3/67	60190710	4	5,5		368				350	340	328	294	254	147												1827	1" ¼	16,2
S4 4/4	60190711	0,37	0,5		28						25	24	22	17	11											313	1" ¼	2,7
S4 4/7	60190712	0,55	0,75		48						44	41	38	30	19											388	1" ¼	3,2
S4 4/9	60190713	0,75	1		62						56	53	49	39	25											440	1" ¼	3,6
S4 4/14	60190714	1,1	1,5		96						87	82	76	61	39											567	1" ¼	4,5
S4 4/19	60190715	1,5	2		131						118	112	103	82	53											694	1" ¼	5,8
S4 4/27	60190716	2,2	3		186						168	159	147	117	75											807	1" ¼	7,6
S4 4/35	60190717	3	4		241						218	206	191	152	97											981	1" ¼	9,2
S4 4/48	60190718	4	5,5		331						299	283	261	208	133											1263	1" ¼	11,8
S4 4/62	60190719	5,5	7,5		427						386	365	338	269	172											1567	1" ¼	14,4
S4 6/5	60190720	0,55	0,75	H (m)	30							28	26	24	21	19	15	10								374	1" ¼	3,2
S4 6/7	60190721	0,75	1		42							38	37	33	29	27	21	14								440	1" ¼	3,6
S4 6/10	60190722	1,1	1,5		60							55	52	47	42	38	30	20								539	1" ¼	4,3
S4 6/14	60190723	1,5	2		84							78	75	66	59	53	42	28								672	1" ¼	5,1
S4 6/21	60190724	2,2	3		126							116	110	99	88	80	63	42								872	1" ¼	7,8
S4 6/29	60190725	3	4		174							160	152	137	122	110	87	58								1120	1" ¼	9,9
S4 6/38	60190726	4	5,5		228							209	200	179	160	144	114	76								1399	1" ¼	12,3
S4 6/52	60190727	5,5	7,5		312							285	274	244	218	198	156	104								1870	1" ¼	16,5
S4 6/61	60192290	7,5	10		366							334	322	287	256	232	183	122								2148	1" ¼	19,2
S4 8/5	60190728	0,75	1		30								30	28	27	26	24	21	16	11						450	2"	3,8
S4 8/7	60190729	1,1	1,5		42								41	39	38	37	34	29	23	16						541	2"	4,5
S4 8/9	60190730	1,5	2		54								52	50	49	48	44	37	29	20						631	2"	5,1
S4 8/15	60190731	2,2	3		90								86	83	81	79	73	62	48	33						940	2"	7,2
S4 8/21	60190732	3	4		130								125	120	117	112	103	86	68	47						1214	2"	9,0
S4 8/27	60190733	4	5,5		162								155	151	146	144	132	111	87	60						1257	2"	12,4
S4 8/35	60192313	5,5	7,5		210								202	195	192	187	171	144	113	78						1635	2"	14,7
S4 8/38	60190734	5,5	7,5		228								219	211	207	203	186	156	122	84						1762	2"	16,5
S4 8/47	60192314	7,5	10		280								270	261	255	251	230	193	151	104						2145	2"	19,0
S4 8/50	60190735	7,5	10		298								288	278	273	267	244	206	161	111						2273	2"	21,4
S4 12/6	60190736	1,1	1,5		30										29	28	25	24	23	21	18	11				536	2"	4,5
S4 12/9	60190737	1,5	2		46										42	40	38	36	34	31	28	17				693	2"	5,8
S4 12/13	60190738	2,2	3		66										61	59	55	52	49	44	38	23				900	2"	7,0
S4 12/18	60190739	3	4		91										84	82	76	72	68	60	52	31				1167	2"	10,5
S4 12/24	60190740	4	5,5		122										112	110	101	96	91	81	70	46				1479	2"	12,1
S4 12/34	60190741	5,5	7,5		172										158	156	144	136	129	115	101	65				2035	2"	17,8
S4 12/44	60190742	7,5	10		215										192	188	175	165	156	140	124	81				2552	2"	48,0
S4 16/8	60190743	1,5	2		37														31	29	26	22	18	13	7	767	2"	6,0
S4 16/12	60190744	2,2	3		55														46	43	39	33	27	19	10	1038	2"	8,8
S4 16/16	60190745	3	4		73														61	57	52	44	36	25	13	1321	2"	11,5
S4 16/21	60190746	4	5,5		96														81	75	68	58	47	33	18	1660	2"	14,7
S4 16/29	60190747	5,5	7,5		133														111	104	94	80	65	46	24	2245	2"	20,0
S4 16/38	60190748	7,5	10		174														146	136	124	105	86	60	32	2816	2"	52,0

S4 WITH OIL FILLED MOTOR

ONLY FOR EXTRA EU MARKETS

4" SUBMERSIBLE PUMPS

4" multi-impeller borehole pumps for clean water, designed for water boosting, gardening and irrigation, lifting water from boreholes in residential building service, commercial building service and irrigation systems also for agriculture. **Only for extra EU markets.**
Hydraulic part built in stainless steel AISI 304, technopolymer is used for the parts in contact with water. Impellers and diffusers in technopolymer. Built-in check valve and suction filter. Single-phase version with manual resetting thermo-amperometric protection and condenser in the electrical control panel to be ordered separately (except for the kit version). The three-phase version must be protected by the user.

Oil filled motor
4OL is a two-pole asynchronous motor in AISI 304L stainless steel for parts in contact with water. The cooling and lubrication of the ball bearings is guaranteed by a special liquid approved for food use. The rewindable stator is inserted in an AISI 304L stainless steel jacket secured by steel pins to the upper motor support. Equipped with a carbon-ceramic mechanical seal.
Motor suitable for use with inverters (30 Hz - 50 Hz). Electrical panel supplied or to be ordered separately depending on the configuration chosen. In the three-phase version the protection is the responsibility of the user.

Flow rate maximum up to 21,6 m^3/h.

Head up to 368 m.

Type of pumped liquid Clean, free of solids and abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral.

Pump maximum diameter 99 mm.

Maximum amount of sand 150 g/m^3.

Impellers material
Technopolymer.

Liquid temperature range
From 0°C to +40°C.

Max immersion depth
4OL: 250 m.

Motor protection class IP 68.

Motor insulation class F.

SAND RESISTANT

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V						VOLTAGE 3x400 ~ V			VOLTAGE 3x230 ~ V		
							KIT WITH: pump, 4OL motor, power supply cable, control box and cord								
	kW	HP		CODE	In A	WEIG. (Kg)	CONTROL BOX CODE	KIT CODE	CABLE LENGTH	WEIG. (Kg)	CODE	In A	WEIG. (Kg)	CODE	In A	WEIG. (Kg)
S4 1/10	0,37	0,5	1 ¼"	60197348	3,5	9,6	108003210	60197277	15	14,3	60197350	1,2	9,6	60197349	2,1	9,6
S4 1/13	0,37	0,5	1 ¼"	60197351	3,5	10	108003210	60197278	15	18,6	60197353	1,2	10	60197352	2,1	10
S4 1/19	0,55	0,75	1 ¼"	60197354	4,5	11,9	108003220	60197279	30	20,8	60197356	2,2	11	60197355	3,8	11
S4 1/26	0,75	1	1 ¼"	60197357	6,3	14,1	108003270	60197280	30	25,7	60197359	2,6	12,8	60197358	4,5	12,8
S4 1/37	1,1	1,5	1 ¼"	60197364	8,5	16,8	108003280	60197281	40	29,1	60197366	3,6	15,8	60197365	6,2	15,8
S4 2/7	0,37	0,5	1 ¼"	60197367	3,5	9,3	108003210	60197282	15	13,6	60197369	1,2	9,3	60197368	2,1	9,3
S4 2/10	0,55	0,75	1 ¼"	60197370	4,5	10,7	108003220	60197283	15	15	60197372	2,2	9,8	60197371	3,8	9,8
S4 2/14	0,75	1	1 ¼"	60197373	6,3	12,5	108003270	60197284	30	19,2	60197375	2,6	11,2	60197374	4,5	11,2
S4 2/20	1,1	1,5	1 ¼"	60197376	8,5	14,4	108003280	60197285	40	23,3	60197378	3,6	13,4	60197377	6,2	13,4
S4 2/28	1,5	2	1 ¼"	60197379	10,8	18,1	108003290	60197286	40	27	60197383	4,6	16,1	60197380	7,9	16,1
S4 2/40	2,2	3	1 ¼"	60197384	15	23,6	108003300	60197287	40	32,5	60197386	6	22,5	60197385	10,4	22,5
S4 2/52	3	4	1 ¼"								60197388	7,5	27,1	60197387	13	27,1
S4 3/6	0,37	0,5	1 ¼"	60197389	3,5	9,5	108003210	60197288	15	13,8	60197392	1,2	9,5	60197390	2,1	9,5
S4 3/9	0,55	0,75	1 ¼"	60197393	4,5	10,9	108003220	60197289	15	15,2	60197396	2,2	10	60197394	3,8	10
S4 3/13	0,75	1	1 ¼"	60197397	6,3	12,7	108003270	60197290	30	19,4	60197399	2,6	11,4	60197398	4,5	11,4
S4 3/19	1,1	1,5	1 ¼"	60197400	8,5	15	108003280	60197291	40	23,9	60197403	3,6	14	60197401	6,2	14
S4 3/25	1,5	2	1 ¼"	60197405	10,8	17,7	108003290	60197292	40	26,6	60197407	4,6	15,7	60197406	7,9	15,7
S4 3/32	2,2	3	1 ¼"	60197408	15	22,1	108003300	60197293	40	30,9	60197411	6	21	60197409	10,4	21
S4 3/39	2,2	3	1 ¼"	60197412	15	24,1	108003300	60197294	40	33	60197414	6	23	60197413	10,4	23
S4 3/45	3	4	1 ¼"								60197417	7,5	26,8	60197416	13	26,8
S4 3/51	3	4	1 ¼"								60197419	7,5	28,1	60197418	13	28,1
S4 3/67	4	5,5	1 ¼"								60197421	9,6	33,1	60197420	16,6	33,1

* Control box not included

S4 WITH OIL FILLED MOTOR

ONLY FOR EXTRA EU MARKETS

4" SUBMERSIBLE PUMPS

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V						VOLTAGE 3x400 ~ V			VOLTAGE 3x230 ~ V		
							KIT WITH: pump, 40L motor, power supply cable, control box and cord								
	kW	HP		CODE	In A	WEIG. (Kg)	CONTROL BOX CODE	KIT CODE	CABLE LENGTH	WEIG. (Kg)	CODE	In A	WEIG. (Kg)	CODE	In A	WEIG. (Kg)
S4 4/4	0,37	0,5	1 ¼"	60197422	3,5	9	108003210	60197295	15	13,3	60197424	1,2	9	60197423	2,1	9
S4 4/7	0,55	0,75	1 ¼"	60197425	4,5	10,4	108003220	60197296	15	14,7	60197427	2,2	9,5	60197426	3,8	9,5
S4 4/9	0,75	1	1 ¼"	60197428	6,3	12,1	108003270	60197297	15	16,4	60197430	2,6	10,8	60197429	4,5	10,8
S4 4/14	1,1	1,5	1 ¼"	60197431	8,5	14	108003280	60197298	30	20,7	60197433	3,6	13	60197432	6,2	13
S4 4/19	1,5	2	1 ¼"	60197434	10,8	17,3	108003290	60197299	40	26,2	60197436	4,6	15,3	60197435	7,9	15,3
S4 4/27	2,2	3	1 ¼"	60197437	15	21,9	108003300	60197300	40	30,8	60197439	6	20,8	60197438	10,4	20,8
S4 4/35	3	4	1 ¼"								60197441	7,5	24,9	60197440	13	24,9
S4 4/48	4	5,5	1 ¼"								60197443	9,6	28,7	60197442	16,6	28,7
S4 6/5	0,55	0,75	1 ¼"	60197444	4,5	10,4	108003220	60197301	15	14,7	60197446	2,2	9,5	60197445	3,8	9,5
S4 6/7	0,75	1	1 ¼"	60197447	6,3	12,1	108003270	60197302	15	16,4	60197449	2,6	10,8	60197448	4,5	10,8
S4 6/10	1,1	1,5	1 ¼"	60197451	8,5	13,8	108003280	60197303	15	18,1	60197453	3,6	12,8	60197452	6,2	12,8
S4 6/14	1,5	2	1 ¼"	60197454	10,8	16,6	108003290	60197304	30	23,3	60197456	4,6	14,6	60197455	7,9	14,6
S4 6/21	2,2	3	1 ¼"	60197457	15	22,1	108003300	60197305	30	28,8	60197459	6	21	60197458	10,4	21
S4 6/29	3	4	1 ¼"								60197463	7,5	25,6	60197460	13	25,6
S4 6/38	4	5,5	1 ¼"								60197465	9,6	29,2	60197464	16,6	29,2
S4 6/52	5,5	7,5	1 ¼"								60197467	13,1	40,2	60197466	22,6	40,2
S4 8/4	0,75	1	2"	60197468	6,3	11,4	108003270	60197306	15	16,6	60197470	2,6	10,1	60197469	4,5	10,1
S4 8/6	1,1	1,5	2"	60197471	8,5	12,9	108003280	60197307	15	18,3	60197473	3,6	11,9	60197472	6,2	11,9
S4 8/8	1,5	2	2"	60197474	10,8	15,3	108003290	60197308	15	20,9	60197476	4,6	13,3	60197475	7,9	13,3
S4 8/13	2,2	3	2"	60197477	15	19,2	108003300	60197309	30	28,2	60197479	6	18,1	60197478	10,4	18,1
S4 8/17	3	4	2"								60197481	7,5	21,5	60197480	13	21,5
S4 8/23	4	5,5	2"								60197483	9,6	25,5	60197482	16,6	25,5
S4 8/32	5,5	7,5	2"								60197485	13,1	34,9	60197484	22,6	34,9
S4 8/43	7,5	10	2"								60197487	16,9	46,7	60197486	29,2	46,7
S4 12/5	1,1	1,5	2"	60197488	8,5	13,6	108003280	60197310	15	18,3	60197490	3,6	12,6	60197489	6,2	12,6
S4 12/8	1,5	2	2"	60197491	10,8	16,9	108003290	60197311	15	21,6	60197494	4,6	14,9	60197493	7,9	14,9
S4 12/11	2,2	3	2"	60197495	15	20,9	108003300	60197312	15	25,6	60197497	6	19,8	60197496	10,4	19,8
S4 12/15	3	4	2"								60197499	7,5	24,4	60197498	13	24,4
S4 12/20	4	5,5	2"								60197501	9,6	27,9	60197500	16,6	27,9
S4 12/27	5,5	7,5	2"								60197503	13,1	38,6	60197502	22,6	38,6
S4 12/36	7,5	10	2"								60197505	16,9	46,9	60197504	29,2	46,9
S4 16/5	1,5	2	2"	60197506	10,8	16,1	108003290	60197314	15	21,8	60197508	4,6	14,1	60197507	7,9	14,1
S4 16/8	2,2	3	2"	60197509	15	20,5	108003300	60197315	15	27,1	60197511	6	19,4	60197510	10,4	19,4
S4 16/11	3	4	2"								60197513	7,5	24,3	60197512	13	24,3
S4 16/15	4	5,5	2"								60197515	9,6	28	60197514	16,6	28
S4 16/20	5,5	7,5	2"								60197517	13,1	37,6	60197516	22,6	37,6
S4 16/28	7,5	10	2"								60197519	16,9	46,7	60197518	29,2	46,7

* Control box not included

S4 WITH WATER FILLED MOTOR

ONLY FOR EXTRA EU MARKETS

4" SUBMERSIBLE PUMPS

MODEL	P2 NOMINAL		DNM	VOLTAGE 1x230 ~ V		
				KIT WITH: pump, 40L motor, power supply cable, control box and cord		
	kW	HP		KIT CODE	CABLE LENGTH	WEIG. (Kg)
S4 3/13	0,75	1,00	1 ¼"	60202196	30	20,3
S4 3/19	1,10	1,50	1 ¼"	60202197	40	26

S4

4" SUBMERSIBLE PUMPS

ONLY PUMP END

ONLY FOR EXTRA MARKETS EU

MODEL	CODE	ELECTRIC DATA		HYDRAULIC DATA																						H mm	DNM	WEIGHT KG
		P2 NOMINAL		Q=m³h	0	0,3	0,6	0,9	1,2	1,5	1,8	2,4	3,0	4,2	5,4	6,0	7,2	8,4	9,6	10,8	12,0	15,0	18,0	22,0			
		kW	HP	Q=l/min	0	5	10	15	20	25	30	40	50	70	90	100	120	140	160	180	200	250	300	367			
S4 1/10	60197116	0,37	0,5		64	62	58	51	41	28															369	1 ¼"	3,1
S4-1/13	60179752	0,37	0,5		82	80	75	66	53	36															423	1 ¼"	3,5
S4-1/19	60179753	0,55	0,75		124	121	112	98	78	54															528	1 ¼"	4,5
S4-1/26	60179754	0,75	1		169	163	149	129	102	69															652	1 ¼"	5,4
S4-1/37	60191549	1,1	1,5		225	218	200	172	134	85															882	1 ¼"	7,1
S4-2/7	60173437	0,37	0,5		47				42	40	37	29	19												337	1 ¼"	2,8
S4-2/10	60173438	0,55	0,75		67				60	56	52	41	27												398	1 ¼"	3,3
S4-2/14	60173439	0,75	1		93				84	79	73	57	37												481	1 ¼"	3,8
S4-2/20	60173440	1,1	1,5		130				119	113	104	82	53												604	1 ¼"	4,7
S4-2/28	60173445	1,5	2		187				168	158	146	114	74												677	1 ¼"	6,4
S4-2/40	60173442	2,2	3		267				240	225	208	163	107												923	1 ¼"	9,1
S4-2/52	60173444	3	4		347				312	293	270	212	139												1134	1 ¼"	11,2
S4 3/6	60196432	0,37	0,5		33				32	31	30	27	23	13											363	1 ¼"	3
S4 3/9	60196433	0,55	0,75		50				47	46	44	40	34	20											446	1 ¼"	3,5
S4 3/13	60196434	0,75	1		72				68	66	64	57	50	29											557	1 ¼"	4
S4 3/19	60196435	1,1	1,5		105				100	97	94	85	73	42											724	1 ¼"	5,3
S4 3/25	60196436	1,5	2		138				131	127	122	110	95	55											769	1 ¼"	6
S4 3/32	60196437	2,2	3		176				167	162	156	141	121	69											972	1 ¼"	7,6
S4 3/39	60196438	2,2	3		215				204	198	191	172	148	86											1142	1 ¼"	9,6
S4 3/45	60196439	3	4		247				234	227	219	198	171	99											1286	1 ¼"	10,9
S4 3/51	60196440	3	4		281				267	259	249	225	194	111											1431	1 ¼"	12,2
S4 3/67	60196441	4	5,5		368				350	339	327	295	255	147											1812	1 ¼"	16
S4-4/4	60173441	0,37	0,5		27						25	23	21	16	9										295	1 ¼"	2,5
S4-4/7	60173443	0,55	0,75		46						43	40	37	28	16										372	1 ¼"	3
S4-4/9	60173450	0,75	1		59						55	52	47	36	20										423	1 ¼"	3,4
S4-4/14	60173449	1,1	1,5		93						86	80	74	55	31										550	1 ¼"	4,3
S4-4/19	60173446	1,5	2		126						116	109	100	75	42										678	1 ¼"	5,6
S4-4/27	60173447	2,2	3		179						165	155	142	107	60										807	1 ¼"	7,4
S4-4/35	60173448	3	4		226						209	195	179	135	76										981	1 ¼"	9
S4-4/48	60173451	4	5,5	H (m)	320						294	275	252	189	107										1263	1 ¼"	11,6
S4-6/5	60173453	0,55	0,75		30							26	25	22	19	17	13	7							358	1 ¼"	3
S4-6/7	60173455	0,75	1		43							38	36	32	27	25	20	12							424	1 ¼"	3,4
S4-6/10	60173452	1,1	1,5		61							55	53	47	41	37	29	19							523	1 ¼"	4,1
S4-6/14	60173454	1,5	2		85							75	72	64	55	50	38	25							655	1 ¼"	4,9
S4-6/21	60173460	2,2	3		125							111	107	98	88	81	68	48							873	1 ¼"	7,6
S4-6/29	60173457	3	4		173							157	151	136	118	108	85	59							1121	1 ¼"	9,7
S4-6/38	60173459	4	5,5		227							205	197	178	154	141	111	77							1400	1 ¼"	12,1
S4-6/52	60173458	5,5	7,5		311							280	269	243	211	192	152	105							1871	1 ¼"	16,3
S4-8/4	60173456	0,75	1		25							24	23	22	21	20	18	16	14	11					335	2"	2,7
S4-8/6	60173462	1,1	1,5		38							36	35	34	32	31	29	26	22	18					401	2"	3,2
S4-8/8	60173464	1,5	2		51							50	49	46	43	42	39	34	28	24					467	2"	3,6
S4-8/13	60173463	2,2	3		83							79	78	77	75	72	71	66	60	54					632	2"	4,7
S4-8/17	60173461	3	4		109							105	104	101	99	98	92	84	74	62					764	2"	5,6
S4-8/23	60173465	4	5,5		148							142	140	134	128	125	118	106	90	70					945	2"	8,4
S4-8/32	60173467	5,5	7,5		205							198	195	188	186	176	165	152	130	104					1224	2"	11
S4-8/43	60173468	7,5	10		275							260	254	244	234	227	214	192	160	130					1602	2"	14,5
S4-12/5	60173466	1,1	1,5		31											26	25	22	19	17	15	7			463	2"	3,9
S4-12/8	60173469	1,5	2		48											42	38	34	31	27	20	12			619	2"	5,2
S4-12/11	60173470	2,2	3		65											60	56	52	48	43	35	22			776	2"	6,4
S4-12/15	60173471	3	4		92											82	75	71	65	60	50	30			1011	2"	8,5
S4-12/20	60173473	4	5,5		122											109	100	90	80	72	58	34			1271	2"	10,8
S4-12/27	60173475	5,5	7,5		165											147	135	125	115	102	84	48			1672	2"	14,7
S4-12/36	60173474	7,5	10		222											189	178	164	145	128	112	58			2140	2"	19
S4-16/5	60173472	1,5	2		29													23	22	19	18	15	11	6	543	2"	4,4
S4-16/8	60173477	2,2	3		47													39	38	36	33	28	22	12	747	2"	6
S4-16/11	60173479	3	4		65													53	51	48	44	37	27	14	979	2"	8,4
S4-16/15	60173480	4	5,5		83													64	61	56	50	43	32	18	1251	2"	10,9
S4-16/20	60173476	5,5	7,5		117													88	84	80	74	62	46	24	1628	2"	13,7
S4-16/28	60173478	7,5	10		165													124	117	112	103	87	67	37	2172	2"	18,8

4GG

4 " SUBMERSIBLE MOTORS

4" Asynchronous two-poles submersible motor, **made in AISI 304 stainless steel** for parts in contact with water. Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a **mixture of water and glycol.** Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing.
Stainless steel canned stator, filled with thermosetting resin with high insulation property and better thermal dissipation capability.
Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. Overload protection must be provided by user for the three-phase version.

Flanging NEMA - 4".

Protection level IP 68.

Insulation class F.

Voltage
Single-phase 220-230 V / 50 Hz.
Three-phase 400 V / 50 Hz - 230 V / 50 Hz.

Equipped with cable
1,7 m for motor power up to 2,2 kW.
2,7 m for motor power up to 3 kW.
3,5 m for motor power of 7,5 kW.

Available on request cables of different lengths, different supply voltage, thermal surge protector.

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MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min⁻¹)	Cos φ	η %	C (µF)	CABLE Ø mm²	CABLE LC (m)
4GG - 0,37 KW - 230 V - M	60122739	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	4x1,5	1,7
4GG - 0,55 KW - 230 V - M	60122740	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	4x1,5	1,7
4GG - 0,75 KW - 230 V - M	60122741	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	4x1,5	1,7
4GG - 1,1 KW - 230 V - M	60122742	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,90	62	35	4x1,5	1,7
4GG - 1,5 KW - 230 V - M	60122743	2	1,5	1x230 V ~	11	3,7	0,62	2320	2830	0,91	65	40	4x1,5	1,7
4GG - 2,2 KW - 230 V - M	60122744	3	2,2	1x230 V ~	16	3,1	0,6	3460	2810	0,89	65	60	4x1,5	1,7
4GG - 3 KW - 230 V - M	60185921	4	3	1x230 V ~	23,5	3,6	0,51	4900	2830	0,9	62	90	4x2	2,7
4GG - 3,7 KW - 230 V - M	60122779	5	3,7	1x230 V ~	25	3,6	0,51	5500	2850	0.95	65	90	4x2	2,7
4GG - 4 KW - 230 V - M	60185385	5,5	4	1x230 V ~	27	3,6	0,51	6000	2840	0,96	67	90	4x2	2,7
4GG - 0,37 KW - 400 V - T	60122746	0,5	0,37	3x400 V ~	1,4	3,8	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,37 KW - 230 V - T	60122745	0,5	0,37	3x230 V ~	2,7	3,7	3	710	2820	0,66	53	-	4x1,5	1,7
4GG - 0,55 KW - 400 V - T	60122748	0,75	0,55	3x400 V ~	1,9	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,55 KW - 230 V - T	60122747	0,75	0,55	3x230 V ~	3,3	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GG - 0,75 KW - 400 V - T	60122750	1	0,75	3x400 V ~	2,4	5,0	3,2	1190	2830	0,73	63	-	4x1,5	1,7
4GG - 0,75 KW - 230 V - T	60122749	1	0,75	3x230 V ~	4,1	5,1	3,2	1190	2830	0,72	63	-	4x1,5	1,7
4GG - 1,1 KW - 400 V - T	60122752	1,5	1,1	3x400 V ~	3,4	4,1	3,3	1720	2830	0,76	64	-	4x1,5	1,7
4GG - 1,1 KW - 230 V - T	60122751	1,5	1,1	3x230 V ~	5,7	4,2	3,3	1720	2830	0,72	64	-	4x1,5	1,7
4GG - 1,5 KW - 400 V - T	60122754	2	1,5	3x400 V ~	4,4	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 1,5 KW - 230 V - T	60122753	2	1,5	3x230 V ~	7,6	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GG - 2,2 KW - 400 V - T	60122756	3	2,2	3x400 V ~	5,9	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 2,2 KW - 230 V - T	60122755	3	2,2	3x230 V ~	10,2	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GG - 3,0 KW - 400 V - T	60122758	4	3	3x400 V ~	8,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 3,0 KW - 230 V - T	60122757	4	3	3x230 V ~	14,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GG - 4,0 KW - 400 V - T	60122760	5,5	4	3x400 V ~	10	5,6	3,4	5340	2850	0,79	75	-	4x1,5	2,7
4GG - 4,0 KW - 230 V - T	60122759	5,5	4	3x230 V ~	17,3	5,6	3,4	5340	2850	0,79	75	-	4x2	2,7
4GG - 5,5 KW - 400 V - T	60122762	7,5	5,5	3x400 V ~	14	5,5	3,4	7110	2850	0,74	77	-	4x1,5	2,7
4GG - 5,5 KW - 230 V - T	60122761	7,5	5,5	3x230 V ~	24,2	5,5	3,4	7110	2850	0,74	77	-	4x2	2,7
4GG - 7,5 KW - 400 V - T	60122763	10	7,5	3x400 V ~	17,4	4,8	2,9	9520	2850	0,080	79	-	4x2	3,5
4GG - 7,5 KW - 230 V - T	60198796	10	7,5	3x230 V ~	30,1	4,8	2,9	9520	2850	0,8	79	-	4x2	3,5

4GX

4 " SUBMERSIBLE MOTORS

4" Asynchronous two-poles submersible motor, **made in full AISI 316 stainless steel.** Cooling and lubrication of the thrust bearing assembly and carbon bushes is provided by a **mixture of water and glycol.** Squirrel-cage rotor mounted on Kingsbury self-centring thrust bearing.

Stainless steel canned stator, filled with thermosetting resin with high insulation property and better thermal dissipation capability.

Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW. Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Mechanical seal in silicon/carbide. Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase 50 Hz version. Overload protection must be provided by user for the three-phase version.

Flanging NEMA - 4".

Protection level IP 68.

Insulation class F.

Voltage

Single-phase 220-230 V / 50 Hz.
Three-phase 400 V / 50 Hz - 230 V / 50 Hz.

Equipped with cable

1,7 m for motor power up to 2,2 kW.
2,7 m for motor power up to 3 kW.
3,5 m for motor power of 7,5 kW.

Available on request cables of different lengths, different supply voltage, thermal surge protector.

Tesla ATTESTATION DE CONFORMITÉ SANITAIRE ACS **AISI 316**

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (μF)	CABLE Ø mm^2	CABLE LC (m)
4GX - 0,37 KW - 230 V - M	60141577	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	4x1,5	1,7
4GX - 0,55 KW - 230 V - M	60141580	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	4x1,5	1,7
4GX - 0,75 KW - 230 V - M	60141584	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	4x1,5	1,7
4GX - 1,1 KW - 230 V - M	60141590	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,90	62	35	4x1,5	1,7
4GX - 1,5 KW - 230 V - M	60141593	2	1,5	1x230 V ~	11	3,7	0,62	2320	2830	0,91	65	40	4x1,5	1,7
4GX - 2,2 KW - 230 V - M	60141596	3	2,2	1x230 V ~	16	3,1	0,6	3460	2810	0,89	65	60	4x1,5	1,7
4GX - 0,37 KW - 400 V - T	60141578	0,5	0,37	3x400 V ~	1,4	3,8	3	710	2820	0,66	53	-	4x1,5	1,7
4GX - 0,37 KW - 230 V - T	60141579	0,5	0,37	3x230 V ~	2,7	3,7	3	710	2820	0,66	53	-	4x1,5	1,7
4GX - 0,55 KW - 400 V - T	60141581	0,75	0,55	3x400 V ~	1,9	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GX - 0,55 KW - 230 V - T	60141582	0,75	0,55	3x230 V ~	3,3	4,2	3,1	920	2830	0,72	60	-	4x1,5	1,7
4GX - 0,75 KW - 400 V - T	60141586	1	0,75	3x400 V ~	2,4	5,0	3,2	1190	2830	0,73	63	-	4x1,5	1,7
4GX - 0,75 KW - 230 V - T	60141589	1	0,75	3x230 V ~	4,1	5,1	3,2	1190	2830	0,72	63	-	4x1,5	1,7
4GX - 1,1 KW - 400 V - T	60141591	1,5	1,1	3x400 V ~	3,4	4,1	3,3	1720	2830	0,76	64	-	4x1,5	1,7
4GX - 1,1 KW - 230 V - T	60141592	1,5	1,1	3x230 V ~	5,7	4,2	3,3	1720	2830	0,72	64	-	4x1,5	1,7
4GX - 1,5 KW - 400 V - T	60141594	2	1,5	3x400 V ~	4,4	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GX - 1,5 KW - 230 V - T	60141595	2	1,5	3x230 V ~	7,6	4,3	3,4	2200	2830	0,72	68	-	4x1,5	1,7
4GX - 2,2 KW - 400 V - T	60141597	3	2,2	3x400 V ~	5,9	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GX - 2,2 KW - 230 V - T	60141598	3	2,2	3x230 V ~	10,2	4,4	3,2	3170	2820	0,78	71	-	4x1,5	1,7
4GX - 3,0 KW - 400 V - T	60141607	4	3	3x400 V ~	8,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GX - 3,0 KW - 230 V - T	60141608	4	3	3x230 V ~	14,3	4,6	3,3	4050	2840	0,71	74	-	4x1,5	2,7
4GX - 4,0 KW - 400 V - T	60141612	5,5	4	3x400 V ~	10	5,6	3,4	5340	2850	0,79	75	-	4x1,5	2,7
4GX - 4,0 KW - 230 V - T	60141613	5,5	4	3x230 V ~	17,3	5,6	3,4	5340	2850	0,79	75	-	4x2	2,7
4GX - 5,5 KW - 400 V - T	60141614	7,5	5,5	3x400 V ~	14	5,5	3,4	7110	2850	0,74	77	-	4x1,5	2,7
4GX - 5,5 KW - 230 V - T	60141615	7,5	5,5	3x230 V ~	24,2	5,5	3,4	7110	2850	0,74	77	-	4x2	2,7
4GX - 7,5 KW - 400 V - T	60141616	10	7,5	3x400 V ~	17,4	4,8	2,9	9520	2850	0,080	79	-	4x2	3,5

4TW

4 " SUBMERSIBLE MOTORS

The 4TW is a 4-inch single-phase submersible motor, designed for pressure boosting, gardening and irrigation, drawing water from subsoil in civil and commercial applications and for using water in irrigation systems also in agriculture.
Motor with the parts in contact with water made of AISI 304 stainless steel. Encapsulated and resin-filled stator. Cooled and lubricated with a mixture of water and glycol. Combined with the pump body, it is able to increase the water pressure, draw water from wells, tanks or reservoirs and to allow it to be used also for irrigating medium and large-sized vegetable gardens. **It has an integrated capacitor which does away with the external control panel.**

Flanging NEMA 4".
Insulation class F.
Protection class IP68.
Cooling flow speed min. 0,3 m/s 35°C.
Power supply tolerance +6% / -10%.
Max. starts 20/h.
Max operating depth 300 m.
Possible type of installation
Vertical or horizontal.
Horizontal operation 0,5 HP - 1,5 HP.
On request cables of different lengths and different power input voltages.

ACCESSORIES PAGE 369

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min^{-1})	Cos φ	η %	C (μF)	CABLE Ø mm^2	CABLE LC (m)
4TW - 0,37 KW - 230 V - M	60191544	0,5	0,37	1x230 V ~	3,3	2,7	0,69	740	2820	0,97	50	16	3x1,5	1,7
4TW - 0,55 KW - 230 V - M	60191545	0,75	0,55	1x230 V ~	4,6	3,3	0,68	1000	2820	0,94	56	20	3x1,5	1,7
4TW - 0,75 KW - 230 V - M	60191546	1	0,75	1x230 V ~	6,2	3,2	0,66	1300	2820	0,92	58	25	3x1,5	1,7
4TW - 1,1 KW - 230 V - M	60191547	1,5	1,1	1x230 V ~	8,6	3,6	0,68	1820	2830	0,92	62	35	3x1,5	1,7

40L

4 " SUBMERSIBLE MOTORS

4" Asynchronous two-poles submersible motor, rewindable-type, made in AISI 304 stainless steel for parts in contact with water. Cooling and lubrication of the ball bearings is provided by a special FDA-approved liquid. Stator housed in an external shell in AISI 304L (rewindable-type) connected with stainless steel pins to the upper support of the motor. Removable cable connector to allow fast and easy maintenance. The cable is certified ACS, WRAS and KTW.
Motor suitable for use with variable frequency drive (30 Hz – 50 Hz). Mechanical seal in ceramic-carbon. Capacitor and manually resettable overload protection located in the electric panel that can be supplied separately for the single-phase version. Overload protection must be provided by user for the three-phase version. The motor can be equipped with a PT100 temperature sensor.

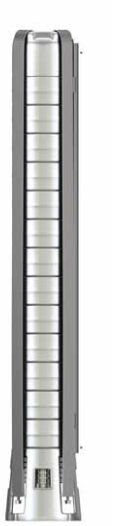
Flanging NEMA 4".
Insulation class F.
Protection class IP68.
Cooling flow speed min. 0,3 m/s 35°C.
Power supply tolerance +6% / -10%.
Max. starts 20/h.
Max operating depth 250 m.
Horizontal operation 0,5 HP - 10 HP.

ACCESSORIES PAGE 369

MODEL	CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min⁻¹)	Cos φ	η %	C (µF)	CABLE Ø mm²	CABLE LC (m)
40L - 0,37 KW - 230 V - M	60168915	0,5	0,37	1x230 V ~	3,5	2,6	0,64	725	2800	0,9	51	16	4x1,5	1,7
40L - 0,55 KW - 230 V - M	60168916	0,75	0,55	1x230 V ~	4,5	2,7	0,60	950	2800	0,92	58	20	4x1,5	1,7
40L - 0,75 KW - 230 V - M	60168917	1	0,75	1x230 V ~	6,3	3,2	0,64	1275	2820	0,88	59	25	4x1,5	1,7
40L - 1,1 KW - 230 V - M	60168918	1,5	1,1	1x230 V ~	8,5	2,9	0,54	1780	2800	0,91	62	35	4x1,5	1,7
40L - 1,5 KW - 230 V - M	60168919	2	1,5	1x230 V ~	10,8	3,2	0,43	2160	2800	0,87	69	40	4x1,5	1,7
40L - 2,2 KW - 230 V - M	60169099	3	2,2	1x230 V ~	14	3,2	0,57	3060	2800	0,87	78	60	4x1,5	1,7
40L - 3 KW - 230 V - M	60183432	4	3	1x230 V ~	23,5	3,6	0,51	4900	2830	0,9	62	90	4x2	2,7
40L - 3,7 KW - 230 V - M	60169100	5	3,7	1x230 V ~	25,4	3,6	0,51	5500	2850	0,95	66	90	4x2	2,7
40L - 4 KW - 230 V - M	60185382	5,5	4	1x230 V ~	27	3,6	0,51	6000	2840	0,96	67	90	4x2	2,7
40L - 0,37 KW - 400 V - T	60168928	0,5	0,37	3x400 V ~	1,6	3,3	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,37 KW - 230 V - T	60168920	0,5	0,37	3x230 V ~	2,8	3,2	3,5	700	2820	0,63	53	-	4x1,5	1,7
40L - 0,55 KW - 400 V - T	60168929	0,75	0,55	3x400 V ~	2,2	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,55 KW - 230 V - T	60168921	0,75	0,55	3x230 V ~	3,8	3,4	3,9	980	2820	0,64	56	-	4x1,5	1,7
40L - 0,75 KW - 400 V - T	60168930	1	0,75	3x400 V ~	2,6	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 0,75 KW - 230 V - T	60168922	1	0,75	3x230 V ~	4,5	3,8	3,7	1200	2820	0,68	62	-	4x1,5	1,7
40L - 1,1 KW - 400 V - T	60168931	1,5	1,1	3x400 V ~	3,6	4,4	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,1 KW - 230 V - T	60168923	1,5	1,1	3x230 V ~	6,2	4,5	4,3	1700	2830	0,68	65	-	4x1,5	1,7
40L - 1,5 KW - 400 V - T	60168932	2	1,5	3x400 V ~	5,1	4,3	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 1,5 KW - 230 V - T	60168924	2	1,5	3x230 V ~	7,9	4,4	4,4	2160	2810	0,68	69	-	4x1,5	1,7
40L - 2,2 KW - 400 V - T	60167638	3	2,2	3x400 V ~	6	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 2,2 KW - 230 V - T	60168925	3	2,2	3x230 V ~	10,4	5,2	3,3	3050	2810	0,7	72	-	4x1,5	1,7
40L - 3 KW - 400 V - T	60167644	4	3	3x400 V ~	7,9	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 3 KW - 230 V - T	60168926	4	3	3x230 V ~	13,6	5,7	3,3	4000	2840	0,73	75	-	4x1,5	2,7
40L - 4 KW - 400 V - T	60167647	5,5	4	3x400 V ~	10,2	5,4	3,4	5260	2850	0,74	76	-	4x1,5	2,7
40L - 4 KW - 230 V - T	60168927	5,5	4	3x230 V ~	17,6	5,4	3,4	5260	2850	0,74	76	-	4x2	2,7
40L - 5,5 KW - 400 V - T	60169101	7,5	5,5	3x400 V ~	13,1	5,3	3,4	6900	2850	0,76	80	-	4x1,5	2,7
40L - 5,5 KW - 230 V - T	60169103	7,5	5,5	3x230 V ~	22,6	5,4	3,4	6900	2850	0,76	80	-	4x2	2,7
40L - 7,5 KW - 400 V - T	60169102	10	7,5	3x400 V ~	16,9	5,0	3	9030	2840	0,77	81	-	4x2	3,5
40L - 7,5 KW - 230 V - T	60169104	10	7,5	3x230 V ~	29,2	5,0	3	9030	2840	0,77	81	-	4x2	3,5

SS 6

6" SUBMERSIBLE PUMPS



Multistage **semiaxial** submersible electric pumps for wells measuring 6" or above, able to generate a broad range of flow rates. These units are used extensively for lifting, distribution, and pressurisation in civil and industrial water systems, filling of booster pumps and tanks, fire-fighting systems and washing of irrigation systems. Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Pump body and impellers in pressed AISI 304 stainless steel or AISI 316.

Pump with check valve of low pressure loss.

For operation with inverter see the specifications of the coupled motor.

Performance range

flow up to 75 m^3/h and max head of 670 m.

Max. quantity of sand/silt 50 g/m^3.

Max. ambient temperature

30°C (50°C available on request).

Outlet connection diameter (inside threaded)

SS 6 A, SS 6 B: 2 ½".

SS 6 C: 3".

SS 6 D, SS 6 E: 4".

Coupling with motors of 4", 6" or 8" depending on the required hydraulic power, and available in standard or stainless steel version:
4GG: encapsulated 4" submersible motor.
4OL: 4" submersible motor in oil bath.
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.

ErP ready

ACCESSORIES PAGE 369

SS 6 A HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m^3h	0,0	2,0	4,0	6,0	8,0	10,0	12,0	14,0	16,0	17,0			
				kW	HP	Q=l/sec	0,0	0,6	1,1	1,7	2,2	2,8	3,3	3,9	4,4	4,7			
SS6A 01	60170099	60201534	4"	0,55	0,75		9	9	9	9	9	8	7	6	5	4	2 ½"	5	566
SS6A 02	60170100	60201535	4"	1,1	1,5		19	19	19	18	17	16	15	13	10	9	2 ½"	7	676
SS6A 03	60170101	60184145	4"	1,5	2		28	28	28	27	26	24	22	19	15	13	2 ½"	8	799
SS6A 04	60170102	60201536	4"	2,2	3		37	37	37	36	35	32	29	25	20	18	2 ½"	10	904
SS6A 05	60170103	60199348	4"	2,2	3		47	47	46	45	43	41	37	32	26	22	2 ½"	11	965
SS6A 06	60170104	60199784	4"	2,2	3		56	56	56	54	52	49	44	38	31	27	2 ½"	13	1025
SS6A 07	60170105	60201537	4"	3	4		65	66	65	64	61	57	51	44	36	31	2 ½"	14	1237
SS6A 08	60170106	60201539	4"	4	5,5		75	75	74	73	70	65	59	51	41	36	2 ½"	15	753
SS6A 08	60167875	60173603	6"	4	5,5		75	75	74	73	70	65	59	51	41	36	2 ½"	15	753
SS6A 09	60170107	60201540	4"	4	5,5	H (mt)	84	84	84	82	78	73	66	57	46	40	2 ½"	17	814
SS6A 09	60167876	60201541	6"	4	5,5		84	84	84	82	78	73	66	57	46	40	2 ½"	17	814
SS6A 10	60170108	60201543	4"	4	5,5		93	94	93	91	87	81	73	63	51	44	2 ½"	18	874
SS6A 10	60167877	60201542	6"	4	5,5		93	94	93	91	87	81	73	63	51	44	2 ½"	18	874
SS6A 11	60170109	60201544	4"	4	5,5		103	103	102	100	96	89	81	70	56	49	2 ½"	20	935
SS6A 11	60167878	60192341	6"	4	5,5		103	103	102	100	96	89	81	70	56	49	2 ½"	20	935
SS6A 12	60170110	60201545	4"	5,5	7,5		112	112	112	109	104	97	88	76	61	53	2 ½"	21	995
SS6A 12	60167879	60181888	6"	5,5	7,5		112	112	112	109	104	97	88	76	61	53	2 ½"	21	995
SS6A 13	60170111	60201547	4"	5,5	7,5		121	122	121	118	113	105	95	82	67	58	2 ½"	23	1056
SS6A 13	60167880	60201546	6"	5,5	7,5		121	122	121	118	113	105	95	82	67	58	2 ½"	23	1056

SS 6

6" SUBMERSIBLE PUMPS

SS 6 A HYDRAULIC PART

MODEL	STANDARD HYDRAULIC PART CODE	AISI 316 HYDRAULIC PART CODE	MOTOR COUPLING	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0,0	2,0	4,0	6,0	8,0	10,0	12,0	14,0	16,0	17,0	DNM GAS	WEIGHT KG	H mm
						Q=l/sec	0,0	0,6	1,1	1,7	2,2	2,8	3,3	3,9	4,4	4,7			
SS6A 14	60170112	60201548	4"	5,5	7,5		131	131	130	127	122	114	103	89	72	62	2 ½"	24	1116
SS6A 14	60167881	60187433	6"	5,5	7,5		131	131	130	127	122	114	103	89	72	62	2 ½"	24	1116
SS6A 15	60170113	60201551	4"	5,5	7,5		140	140	139	136	130	122	110	95	77	67	2 ½"	26	1177
SS6A 15	60167882	60201549	6"	5,5	7,5		140	140	139	136	130	122	110	95	77	67	2 ½"	26	1177
SS6A 16	60170116	60201553	4"	7,5	10		149	150	149	145	139	130	117	101	82	71	2 ½"	27	1237
SS6A 16	60167885	60201552	6"	7,5	10		149	150	149	145	139	130	117	101	82	71	2 ½"	27	1237
SS6A 17	60170118	60201555	4"	7,5	10		159	159	158	154	148	138	124	108	87	76	2 ½"	28	1298
SS6A 17	60167886	60201554	6"	7,5	10		159	159	158	154	148	138	124	108	87	76	2 ½"	28	1298
SS6A 18	60170120	60201557	4"	7,5	10		168	169	167	163	156	146	132	114	92	80	2 ½"	30	1358
SS6A 18	60167887	60201556	6"	7,5	10		168	169	167	163	156	146	132	114	92	80	2 ½"	30	1358
SS6A 19	60170122	60201558	4"	7,5	10		177	178	177	172	165	154	139	120	97	84	2 ½"	31	1419
SS6A 19	60167888	60193396	6"	7,5	10		177	178	177	172	165	154	139	120	97	84	2 ½"	31	1419
SS6A 20	60170124	60201560	4"	7,5	10		187	187	186	182	174	162	146	127	102	89	2 ½"	33	1479
SS6A 20	60167889	60201559	6"	7,5	10		187	187	186	182	174	162	146	127	102	89	2 ½"	33	1479
SS6A 21	60170125	60201565	4"	7,5	10		196	197	195	191	182	170	154	133	108	93	2 ½"	34	1540
SS6A 21	60167892	60201561	6"	7,5	10		196	197	195	191	182	170	154	133	108	93	2 ½"	34	1540
SS6A 22	60167893	60201566	6"	9,2	12,5		205	206	204	200	191	178	161	139	113	98	2 ½"	36	1600
SS6A 23	60167894	60201567	6"	9,2	12,5		215	215	214	209	200	186	168	146	118	102	2 ½"	37	1661
SS6A 24	60167895	60201568	6"	9,2	12,5		224	225	223	218	209	195	176	152	123	107	2 ½"	39	1721
SS6A 25	60167896	60201569	6"	9,2	12,5		233	234	232	227	217	203	183	158	128	111	2 ½"	40	1782
SS6A 26	60167897	60201570	6"	9,2	12,5		243	244	242	236	226	211	190	165	133	116	2 ½"	41	1842
SS6A 27	60167898	60201571	6"	11	15		252	253	251	245	235	219	198	171	138	120	2 ½"	43	1903
SS6A 28	60167899	60201572	6"	11	15		261	262	260	254	243	227	205	177	143	124	2 ½"	44	1963
SS6A 29	60167900	60201573	6"	11	15		270	272	270	263	252	235	212	184	149	129	2 ½"	46	2024
SS6A 30	60167901	60201574	6"	11	15		280	281	279	272	261	243	220	190	154	133	2 ½"	47	2084
SS6A 31	60167902	60201575	6"	13	17,5		289	290	288	281	269	251	227	196	159	138	2 ½"	49	2145
SS6A 32	60167903	60201576	6"	13	17,5		298	300	297	290	278	259	234	202	164	142	2 ½"	50	2205
SS6A 33	60167904	60201577	6"	13	17,5	H (mt)	308	309	307	300	287	268	242	209	169	147	2 ½"	52	2266
SS6A 34	60167905	60201578	6"	13	17,5		317	318	316	309	295	276	249	215	174	151	2 ½"	53	2326
SS6A 35	60167906	60201579	6"	13	17,5		326	328	325	318	304	284	256	221	179	156	2 ½"	54	2387
SS6A 36	60167907	60201581	6"	13	17,5		336	337	335	327	313	292	264	228	184	160	2 ½"	56	2447
SS6A 37	60167908	60201582	6"	13	17,5		345	347	344	336	321	300	271	234	190	164	2 ½"	57	2508
SS6A 38	60167909	60201583	6"	15	20		354	356	353	345	330	308	278	240	195	169	2 ½"	59	2568
SS6A 39	60167910	60201584	6"	15	20		364	365	362	354	339	316	286	247	200	173	2 ½"	91	2879
SS6A 40	60167911	60201585	6"	15	20		373	375	372	363	348	324	293	253	205	178	2 ½"	92	2939
SS6A 41	60167912	60201586	6"	15	20		382	384	381	372	356	332	300	259	210	182	2 ½"	94	3000
SS6A 42	60167913	60201587	6"	18,5	25		392	393	390	381	365	341	308	266	215	187	2 ½"	96	3060
SS6A 43	60167914	60201588	6"	18,5	25		401	403	400	390	374	349	315	272	220	191	2 ½"	98	3121
SS6A 44	60167915	60201589	6"	18,5	25		410	412	409	399	382	357	322	278	225	196	2 ½"	100	3181
SS6A 45	60167916	60201616	6"	18,5	25		420	421	418	408	391	365	330	285	231	200	2 ½"	101	3242
SS6A 46	60167917	60201618	6"	18,5	25		429	431	428	418	400	373	337	291	236	204	2 ½"	103	3302
SS6A 47	60167918	60201619	6"	18,5	25		438	440	437	427	408	381	344	297	241	209	2 ½"	105	3363
SS6A 48	60167919	60201620	6"	18,5	25		448	450	446	436	417	389	352	304	246	213	2 ½"	107	3423
SS6A 49	60167920	60201621	6"	18,5	25		457	459	455	445	426	397	359	310	251	218	2 ½"	108	3484
SS6A 50	60169215	60201622	6"	22	30		466	468	465	454	434	405	366	316	256	222	2 ½"	110	3544
SS6A 51	60169216	60201623	6"	22	30		476	478	474	463	443	414	373	323	261	227	2 ½"	112	3605
SS6A 52	60169217	60201624	6"	22	30		485	487	483	472	452	422	381	329	266	231	2 ½"	114	3665
SS6A 53	60169218	60201625	6"	22	30		494	496	493	481	460	430	388	335	272	236	2 ½"	116	3726
SS6A 54	60169219	60201626	6"	22	30		504	506	502	490	469	438	395	342	277	240	2 ½"	117	3786
SS6A 55	60169220	60201627	6"	22	30		513	515	511	499	478	446	403	348	282	244	2 ½"	119	3847
SS6A 56	60169221	60201628	6"	22	30		522	524	520	508	487	454	410	354	287	249	2 ½"	121	3907
SS6A 57	60169223	60201631	6"	22	30		532	534	530	517	495	462	417	361	292	253	2 ½"	123	3968
SS6A 58	60169225	60201633	6"	22	30		541	543	539	526	504	470	425	367	297	258	2 ½"	125	4028
SS6A 59	60169227	60201634	6"	22	30		550	553	548	536	513	478	432	373	302	262	2 ½"	126	4089
SS6A 60	60169228	60201635	6"	22	30		560	562	558	545	521	486	439	380	307	267	2 ½"	128	4149

SS 6

6" SUBMERSIBLE PUMPS

SS 6 B HYDRAULIC PART

MODEL	STANDARD HYDRAULIC PART CODE	AISI 316 HYDRAULIC PART CODE	MOTOR COUPLING	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0,0	6,0	8,0	10,0	12,0	14,0	15,0	16,0	18,0	20,0	DNM GAS	WEIGHT KG	H mm
						Q=l/sec	0,0	1,7	2,2	2,8	3,3	3,9	4,2	4,4	5,0	5,6			
SS6B 01	60170130	60201639	4"	0,75	1		11	11	11	10	10	9	9	9	8	6	2 ½"	13,1	330
SS6B 02	60170131	60201640	4"	1,5	2		23	22	22	21	20	19	18	17	15	13	2 ½"	18	390
SS6B 03	60170132	60196898	4"	2,2	3		34	33	33	31	30	28	27	26	23	19	2 ½"	21,2	451
SS6B 04	60170133	60201641	4"	3	4		45	44	43	42	40	37	36	34	30	26	2 ½"	29,9	511
SS6B 05	60170144	60199783	4"	3	4		56	55	54	52	50	47	45	43	38	32	2 ½"	30,9	572
SS6B 06	60170145	60201642	4"	4	5,5		68	66	65	63	60	56	54	51	45	39	2 ½"	52,4	632
SS6B 06	60167925	60201643	6"	4	5,5		68	66	65	63	60	56	54	51	45	39	2 ½"	52,4	632
SS6B 07	60170146	60201644	4"	4	5,5		79	77	76	73	70	65	63	60	53	45	2 ½"	14	693
SS6B 07	60167199	60201645	6"	4	5,5		79	77	76	73	70	65	63	60	53	45	2 ½"	14	693
SS6B 08	60170147	60201646	4"	5,5	7,5		90	89	87	84	80	75	71	68	60	52	2 ½"	16	753
SS6B 08	60167926	60182308	6"	5,5	7,5		90	89	87	84	80	75	71	68	60	52	2 ½"	16	753
SS6B 09	60170148	60201651	4"	5,5	7,5		102	100	98	94	90	84	80	77	68	58	2 ½"	17	814
SS6B 09	60167927	60178129	6"	5,5	7,5		102	100	98	94	90	84	80	77	68	58	2 ½"	17	814
SS6B 10	60170149	60201652	4"	5,5	7,5		113	111	108	105	100	93	89	85	76	65	2 ½"	18	874
SS6B 10	60167200	60169471	6"	5,5	7,5		113	111	108	105	100	93	89	85	76	65	2 ½"	18	874
SS6B 11	60170150	60201653	4"	7,5	10		124	122	119	115	110	102	98	94	83	71	2 ½"	20	935
SS6B 11	60167928	60201654	6"	7,5	10		124	122	119	115	110	102	98	94	83	71	2 ½"	20	935
SS6B 12	60170151	60201655	4"	7,5	10		135	133	130	126	120	112	107	102	91	78	2 ½"	21	995
SS6B 12	60167929	60201656	6"	7,5	10		135	133	130	126	120	112	107	102	91	78	2 ½"	21	995
SS6B 13	60170152	60201657	4"	7,5	10	H (mt)	147	144	141	136	130	121	116	111	98	84	2 ½"	23	1056
SS6B 13	60167201	60182309	6"	7,5	10		147	144	141	136	130	121	116	111	98	84	2 ½"	23	1056
SS6B 14	60170153	60201658	4"	7,5	10		158	155	152	147	140	130	125	119	106	91	2 ½"	24	1116
SS6B 14	60167930	60182310	6"	7,5	10		158	155	152	147	140	130	125	119	106	91	2 ½"	24	1116
SS6B 15	60167202	60201659	6"	9,2	12,5		169	166	163	157	150	140	134	128	113	97	2 ½"	26	1177
SS6B 16	60167931	60169472	6"	9,2	12,5		181	177	173	168	160	149	143	136	121	103	2 ½"	27	1237
SS6B 17	60167203	60183431	6"	9,2	12,5		192	188	184	178	170	158	152	145	128	110	2 ½"	29	1298
SS6B 18	60167932	60201660	6"	11	15		203	199	195	189	180	168	161	153	136	116	2 ½"	30	1358
SS6B 19	60167933	60201661	6"	11	15		214	210	206	199	190	177	170	162	143	123	2 ½"	31	1419
SS6B 20	60167204	60201663	6"	11	15		226	221	217	210	199	186	179	170	151	129	2 ½"	33	1479
SS6B 21	60167934	60201664	6"	13	17,5		237	232	228	220	209	196	188	179	159	136	2 ½"	34	1540
SS6B 22	60167205	60201665	6"	13	17,5		248	243	238	230	219	205	196	187	166	142	2 ½"	36	1600
SS6B 23	60167935	60201667	6"	13	17,5		260	254	249	241	229	214	205	196	174	149	2 ½"	37	1661
SS6B 24	60167206	60201668	6"	13	17,5		271	266	260	251	239	224	214	204	181	155	2 ½"	39	1721
SS6B 25	60167938	60201669	6"	15	20		282	277	271	262	249	233	223	213	189	162	2 ½"	40	1782
SS6B 26	60167939	60201670	6"	15	20		293	288	282	272	259	242	232	221	196	168	2 ½"	42	1842
SS6B 27	60167207	60201671	6"	15	20		305	299	293	283	269	252	241	230	204	175	2 ½"	43	1903
SS6B 28	60167940	60201672	6"	15	20		316	310	303	293	279	261	250	238	211	181	2 ½"	45	1963
SS6B 29	60167941	60201674	6"	18,5	25		327	321	314	304	289	270	259	247	219	188	2 ½"	46	2024
SS6B 30	60167208	60201675	6"	18,5	25		339	332	325	314	299	280	268	255	227	194	2 ½"	47	2084

SS 6

6" SUBMERSIBLE PUMPS

SS 6 B HYDRAULIC PART

MODEL	STANDARD HYDRAULIC PART CODE	AISI 316 HYDRAULIC PART CODE	MOTOR COUPLING	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0,0	6,0	8,0	10,0	12,0	14,0	15,0	16,0	18,0	20,0	DNM GAS	WEIGHT KG	H mm
						Q=l/sec	0,0	1,7	2,2	2,8	3,3	3,9	4,2	4,4	5,0	5,6			
SS6B 31	60167209	60201678	6"	18,5	25		350	343	336	325	309	289	277	264	234	200	2 ½"	49	2145
SS6B 32	60167942	60201679	6"	18,5	25		361	354	347	335	319	298	286	272	242	207	2 ½"	50	2205
SS6B 33	60167210	60201680	6"	18,5	25		372	365	358	346	329	307	295	281	249	213	2 ½"	52	2266
SS6B 34	60167943	60201681	6"	18,5	25		384	376	368	356	339	317	304	289	257	220	2 ½"	53	2326
SS6B 35	60167944	60201682	6"	22	30		395	387	379	367	349	326	313	298	264	226	2 ½"	55	2387
SS6B 36	60167211	60201683	6"	22	30		406	398	390	377	359	335	322	306	272	233	2 ½"	56	2447
SS6B 37	60167945	60201684	6"	22	30		418	409	401	388	369	345	330	315	279	239	2 ½"	58	2508
SS6B 38	60167212	60201685	6"	22	30		429	420	412	398	379	354	339	323	287	246	2 ½"	59	2568
SS6B 39	60167946	60201686	6"	22	30		440	432	423	409	389	363	348	332	294	252	2 ½"	91	2879
SS6B 40	60167213	60201687	6"	22	30		451	443	433	419	399	373	357	340	302	259	2 ½"	93	2939
SS6B 41	60167947	60201688	6"	22	30		463	454	444	430	409	382	366	349	310	265	2 ½"	95	3000
SS6B 42	60167948	60201690	6"	26	35		474	465	455	440	419	391	375	357	317	272	2 ½"	96	3060
SS6B 43	60167949	60201691	6"	26	35		485	476	466	450	429	401	384	366	325	278	2 ½"	98	3121
SS6B 44	60167950	60201692	6"	26	35		497	487	477	461	439	410	393	374	332	284	2 ½"	100	3181
SS6B 45	60167951	60201693	6"	26	35		508	498	488	471	449	419	402	383	340	291	2 ½"	102	3242
SS6B 46	60167952	60201694	6"	26	35	H (mt)	519	509	498	482	459	429	411	391	347	297	2 ½"	103	3302
SS6B 47	60167953	60201695	6"	26	35		531	520	509	492	469	438	420	400	355	304	2 ½"	105	3363
SS6B 48	60167954	60201696	6"	26	35		542	531	520	503	479	447	429	408	362	310	2 ½"	107	3423
SS6B 49	60167955	60201697	6"	30	40		553	542	531	513	489	457	438	417	370	317	2 ½"	109	3484
SS6B 50	60167956	60201698	6"	30	40		564	553	542	524	499	466	447	425	378	323	2 ½"	111	3544
SS6B 51	60167957	60201699	6"	30	40		576	564	553	534	509	475	456	434	385	330	2 ½"	112	3605
SS6B 52	60167958	60201700	6"	30	40		587	575	563	545	519	485	464	442	393	336	2 ½"	114	3665
SS6B 53	60167959	60201702	6"	30	40		598	586	574	555	529	494	473	451	400	343	2 ½"	116	3726
SS6B 54	60169229	60201703	6"	30	40		610	597	585	566	539	503	482	459	408	349	2 ½"	118	3786
SS6B 55	60169236	60201704	6"	30	40		621	609	596	576	549	512	491	468	415	356	2 ½"	120	3847
SS6B 56	60169237	60201705	6"	30	40		632	620	607	587	559	522	500	476	423	362	2 ½"	121	3907
SS6B 57	60169238	60201706	6"	37	50		643	631	618	597	569	531	509	485	430	369	2 ½"	123	3968
SS6B 58	60169239	60201707	6"	37	50		655	642	628	608	578	540	518	493	438	375	2 ½"	125	4028
SS6B 59	60169240	60201708	6"	37	50		666	653	639	618	588	550	527	502	446	381	2 ½"	127	4089
SS6B 60	60169241	60201709	6"	37	50		677	664	650	629	598	559	536	510	453	388	2 ½"	129	4149

SS 6

6" SUBMERSIBLE PUMPS

SS 6 C HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	6,0	10,0	14,0	18,0	22,0	26,0	30,0	34,0	38,0			
				kW	HP	Q=l/sec	0,0	1,7	2,8	3,9	5,0	6,1	7,2	8,3	9,4	10,6			
SS6C 01	60170154	60201721	4"	1,1	1,5		12	11	11	11	10	9	8	7	6	5	3"	6	364
SS6C 02	60170155	60201722	4"	2,2	3		22	21	20	20	20	19	17	15	11	10	3"	9	459
SS6C 03	60170156	60201723	4"	3	4		35	34	33	32	30	28	25	22	19	15	3"	11	554
SS6C 04	60170157	60201724	4"	4	5,5		47	46	44	43	40	37	34	30	25	20	3"	13	649
SS6C 04	60167215	60173604	6"	4	5,5		47	46	44	43	40	37	34	30	25	20	3"	13	649
SS6C 05	60170158	60201725	4"	5,5	7,5		59	57	55	53	50	47	42	37	32	25	3"	15	744
SS6C 05	60167216	60201726	6"	5,5	7,5		59	57	55	53	50	47	42	37	32	25	3"	15	744
SS6C 06	60170159	60201728	4"	5,5	7,5		70	69	67	64	60	56	51	45	38	30	3"	17	839
SS6C 06	60167217	60201727	6"	5,5	7,5		70	69	67	64	60	56	51	45	38	30	3"	17	839
SS6C 07	60170160	60201729	4"	7,5	10		82	80	78	74	70	65	59	52	44	35	3"	19	934
SS6C 07	60167962	60200939	6"	7,5	10		82	80	78	74	70	65	59	52	44	35	3"	19	934
SS6C 08	60170161	60201730	4"	7,5	10		94	92	89	85	80	75	68	60	51	40	3"	21	1029
SS6C 08	60167218	60193512	6"	7,5	10		94	92	89	85	80	75	68	60	51	40	3"	21	1029
SS6C 09	60167963	60201732	6"	9,2	12,5		105	103	100	96	90	84	76	67	57	45	3"	23	1124
SS6C 10	60167964	60201733	6"	9,2	12,5		117	114	111	106	100	93	85	75	63	50	3"	25	1219
SS6C 11	60167219	60198609	6"	9,2	12,5		129	126	122	117	110	103	93	82	70	55	3"	27	1314
SS6C 12	60167965	60187508	6"	11	15		141	137	133	128	120	112	102	90	76	60	3"	29	1409
SS6C 13	60167220	60201734	6"	11	15		152	149	144	138	131	121	110	97	82	65	3"	31	1504
SS6C 14	60167966	60201735	6"	13	17,5		164	160	155	149	141	131	119	105	89	70	3"	33	1599
SS6C 15	60167221	60201736	6"	13	17,5		176	172	166	159	151	140	127	112	95	75	3"	36	1694
SS6C 16	60167967	60179224	6"	15	20		187	183	178	170	161	149	136	120	101	80	3"	38	1789
SS6C 17	60167222	60192958	6"	15	20		199	195	189	181	171	159	144	127	108	85	3"	40	1884
SS6C 18	60167968	60201737	6"	18,5	25		211	206	200	191	181	168	153	135	114	90	3"	42	1979
SS6C 19	60167223	60201738	6"	18,5	25		223	217	211	202	191	177	161	142	121	95	3"	44	2074
SS6C 20	60167225	60201739	6"	18,5	25		234	229	222	213	201	186	170	150	127	100	3"	46	2169
SS6C 21	60167226	60201740	6"	18,5	25		246	240	233	223	211	196	178	157	133	105	3"	48	2264
SS6C 22	60167969	60201741	6"	22	30		258	252	244	234	221	205	187	165	140	110	3"	50	2359
SS6C 23	60167227	60201742	6"	22	30		269	263	255	244	231	214	195	172	146	115	3"	52	2454
SS6C 24	60167970	60201743	6"	22	30		281	275	266	255	241	224	203	180	152	120	3"	54	2549
SS6C 25	60167971	60201744	6"	22	30	H (mt)	293	286	277	266	251	233	212	187	159	125	3"	56	2644
SS6C 26	60167228	60201745	6"	22	30		305	298	289	276	261	242	220	195	165	130	3"	58	2739
SS6C 27	60167972	60201746	6"	26	35		316	309	300	287	271	252	229	202	171	136	3"	60	2834
SS6C 28	60167973	60201747	6"	26	35		328	320	311	298	281	261	237	210	178	141	3"	63	2929
SS6C 29	60167974	60201748	6"	26	35		340	332	322	308	291	270	246	217	184	146	3"	65	3024
SS6C 30	60167229	60201749	6"	26	35		351	343	333	319	301	280	254	225	190	151	3"	67	3119
SS6C 31	60167975	60188222	6"	30	40		363	355	344	330	311	289	263	232	197	156	3"	69	3214
SS6C 32	60167976	60201750	6"	30	40		375	366	355	340	321	298	271	240	203	161	3"	71	3309
SS6C 33	60167977	60201751	6"	30	40		387	378	366	351	331	308	280	247	209	166	3"	73	3404
SS6C 34	60167230	60201752	6"	30	40		398	389	377	361	341	317	288	255	216	171	3"	75	3499
SS6C 35	60167978	60201753	6"	30	40		410	401	388	372	351	326	297	262	222	176	3"	77	3594
SS6C 36	60167979	60201754	6"	30	40		422	412	400	383	361	336	305	270	228	181	3"	79	3689
SS6C 37	60167980	60201755	6"	37	50		433	423	411	393	371	345	314	277	235	186	3"	81	3784
SS6C 38	60167981	60201757	6"	37	50		445	435	422	404	381	354	322	285	241	191	3"	83	3879
SS6C 39	60167231	60201758	6"	37	50		457	446	433	415	392	364	331	292	247	196	3"	124	4224
SS6C 40	60167982	60201759	6"	37	50		469	458	444	425	402	373	339	300	254	201	3"	126	4319
SS6C 41	60167983	60201760	6"	37	50		480	469	455	436	412	382	348	307	260	206	3"	129	4414
SS6C 42	60167984	60201761	6"	37	50		492	481	466	446	422	392	356	315	266	211	3"	132	4509
SS6C 43	60167232	60201762	8"	45	60		504	492	477	457	432	401	365	322	273	216	3"	134	4604
SS6C 44	60167985	60201763	8"	45	60		515	504	488	468	442	410	373	330	279	221	3"	137	4699
SS6C 45	60167986	60201764	8"	45	60		527	515	499	478	452	420	381	337	285	226	3"	139	4794
SS6C 46	60167233	60201765	8"	45	60		539	526	511	489	462	429	390	344	292	231	3"	142	4889
SS6C 47	60167988	60201766	8"	45	60		551	538	522	500	472	438	398	352	298	236	3"	145	4984
SS6C 48	60167989	60201767	8"	45	60		562	549	533	510	482	448	407	359	304	241	3"	147	5079
SS6C 49	60167503	60201768	8"	45	60		574	561	544	521	492	457	415	367	311	246	3"	150	5174
SS6C 50	60169242	60201769	8"	45	60		586	572	555	532	502	466	424	374	317	251	3"	152	5269
SS6C 51	60169243	60201770	8"	45	60		597	584	566	542	512	476	432	382	323	256	3"	155	5364
SS6C 52	60169244	60201772	8"	55	75		609	595	577	553	522	485	441	389	330	261	3"	158	5459
SS6C 53	60169245	60201773	8"	55	75		621	607	588	563	532	494	449	397	336	266	3"	160	5554
SS6C 54	60169246	60201774	8"	55	75		633	618	599	574	542	503	458	404	342	271	3"	163	5649

SS 6

6" SUBMERSIBLE PUMPS

SS 6 D HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	20,0	25,0	30,0	35,0	40,0	45,0	50,0	55,0	60,0			
				kW	HP	Q=l/sec	0,0	5,6	6,9	8,3	9,7	11,1	12,5	13,9	15,3	16,7			
SS6D 01	60170162	60181670	4"	2,2	3		14	13	12	11	10	10	9	8	7	5	4"	7	382
SS6D 02	60170163	60201775	4"	4	5,5		28	25	24	22	21	19	18	16	14	10	4"	10	494
SS6D 02	60167245	60201777	6"	4	5,5		28	25	24	22	21	19	18	16	14	10	4"	10	494
SS6D 03	60170164	60198738	4"	5,5	7,5		42	38	36	33	31	29	26	24	20	16	4"	12	606
SS6D 03	60167246	60198737	6"	5,5	7,5		42	38	36	33	31	29	26	24	20	16	4"	12	606
SS6D 04	60170165	60201779	4"	7,5	10		56	50	47	44	41	38	35	32	27	21	4"	15	718
SS6D 04	60167247	60177011	6"	7,5	10		56	50	47	44	41	38	35	32	27	21	4"	15	718
SS6D 05	60170166	60201780	4"	7,5	10		70	63	59	56	52	48	44	39	34	26	4"	18	830
SS6D 05	60167248	60199303	6"	7,5	10		70	63	59	56	52	48	44	39	34	26	4"	18	830
SS6D 06	60167249	60201781	6"	9,2	12,5		84	75	71	67	62	57	53	47	41	31	4"	20	942
SS6D 07	60167250	60201782	6"	11	15		98	88	83	78	72	67	61	55	47	36	4"	23	1054
SS6D 08	60167251	60201786	6"	13	17,5		112	101	95	89	83	77	70	63	54	42	4"	26	1166
SS6D 09	60167252	60201787	6"	15	20		126	113	107	100	93	86	79	71	61	47	4"	28	1278
SS6D 10	60167987	60201788	6"	18,5	25		140	126	119	111	103	96	88	79	68	52	4"	31	1390
SS6D 11	60167253	60201789	6"	18,5	25		154	138	130	122	114	105	97	87	74	57	4"	34	1502
SS6D 12	60167254	60201790	6"	22	30		168	151	142	133	124	115	105	95	81	62	4"	36	1614
SS6D 13	60167990	60201791	6"	22	30		182	163	154	144	134	125	114	102	88	68	4"	39	1726
SS6D 14	60167255	60201792	6"	22	30		196	176	166	155	145	134	123	110	95	73	4"	42	1838
SS6D 15	60167991	60201793	6"	26	35	H (mt)	210	188	178	167	155	144	132	118	101	78	4"	44	1950
SS6D 16	60167256	60193066	6"	26	35		224	201	190	178	165	153	141	126	108	83	4"	47	2062
SS6D 17	60167992	60201794	6"	26	35		238	214	202	189	176	163	149	134	115	88	4"	49	2174
SS6D 18	60167257	60201795	6"	30	40		252	226	213	200	186	172	158	142	122	93	4"	52	2286
SS6D 19	60167995	60201796	6"	37	50		266	239	225	211	197	182	167	150	128	99	4"	55	2398
SS6D 20	60167996	60201797	6"	37	50		280	251	237	222	207	192	176	158	135	104	4"	57	2510
SS6D 21	60167997	60201798	6"	37	50		294	264	249	233	217	201	184	166	142	109	4"	60	2622
SS6D 22	60167998	60201799	6"	37	50		308	276	261	244	228	211	193	173	149	114	4"	63	2734
SS6D 23	60167258	60201800	6"	37	50		322	289	273	255	238	220	202	181	155	119	4"	65	2846
SS6D 24	60167999	60201801	6"	45	60		336	302	285	267	248	230	211	189	162	125	4"	68	2958
SS6D 25	60168000	60201802	8"	45	60		350	314	296	278	259	239	220	197	169	130	4"	71	3070
SS6D 26	60167259	60201803	8"	45	60		364	327	308	289	269	249	228	205	176	135	4"	73	3182
SS6D 27	60168001	60201804	8"	45	60		378	339	320	300	279	259	237	213	182	140	4"	76	3294
SS6D 28	60167260	60201806	8"	45	60		392	352	332	311	290	268	246	221	189	145	4"	79	3406
SS6D 29	60168002	60201807	8"	45	60		406	364	344	322	300	278	255	229	196	151	4"	81	3518
SS6D 30	60167261	60180677	8"	45	60		420	377	356	333	310	287	264	237	203	156	4"	84	3630
SS6D 31	60168003	60188223	8"	55	75		434	390	368	344	321	297	272	244	209	161	4"	86	3742
SS6D 32	60168004	60201808	8"	55	75		448	402	379	355	331	307	281	252	216	166	4"	89	3854
SS6D 33	60167262	60201809	8"	55	75		462	415	391	366	341	316	290	260	223	171	4"	92	3966

SS 6

6" SUBMERSIBLE PUMPS

SS 6 E HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA											DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	20,0	40,0	45,0	50,0	55,0	60,0	65,0	70,0	75,0			
				kW	HP	Q=l/sec	0,0	5,6	11,1	12,5	13,9	15,3	16,7	18,1	19,4	20,8			
SS6E 01	60171006	60201810	4"	2,2	3		15	13	10	10	9	9	8	8	7	6	4"	7	382
SS6E 02	60171007	60201811	4"	4	5,5		30	26	21	20	19	18	17	15	14	11	4"	10	494
SS6E 02	60167265	60178924	6"	4	5,5		30	26	21	20	19	18	17	15	14	11	4"	10	494
SS6E 03	60171008	60201812	4"	5,5	7,5		45	38	31	30	28	27	25	23	20	17	4"	12	606
SS6E 03	60167266	60201813	6"	5,5	7,5		45	38	31	30	28	27	25	23	20	17	4"	12	606
SS6E 04	60171009	60201814	4"	7,5	10		60	51	42	40	38	36	33	31	27	23	4"	15	718
SS6E 04	60167267	60171300	6"	7,5	10		60	51	42	40	38	36	33	31	27	23	4"	15	718
SS6E 05	60167268	60171301	6"	9,2	12,5		75	64	52	50	47	45	42	38	34	28	4"	18	830
SS6E 06	60167269	60201815	6"	11	15		90	77	62	59	57	54	50	46	41	34	4"	20	942
SS6E 07	60167270	60199729	6"	13	17,5		105	90	73	69	66	63	59	54	48	40	4"	23	1054
SS6E 08	60167271	60181385	6"	15	20		120	103	83	79	75	71	67	61	54	45	4"	26	1166
SS6E 09	60168005	60201816	6"	18,5	25		135	115	94	89	85	80	75	69	61	51	4"	28	1278
SS6E 10	60167272	60201817	6"	18,5	25		150	128	104	99	94	89	84	77	68	56	4"	31	1390
SS6E 11	60168006	60201818	6"	22	30		165	141	115	109	104	98	92	85	75	62	4"	34	1502
SS6E 12	60167273	60201819	6"	22	30		180	154	125	119	113	107	100	92	82	68	4"	36	1614
SS6E 13	60168007	60201827	6"	26	35		195	167	135	129	123	116	109	100	88	73	4"	39	1726
SS6E 14	60167274	60201828	6"	26	35	H (mt)	210	180	146	139	132	125	117	108	95	79	4"	42	1838
SS6E 15	60168008	60201829	6"	30	40		225	192	156	149	141	134	126	115	102	85	4"	44	1950
SS6E 16	60168009	60201830	6"	30	40		240	205	167	159	151	143	134	123	109	90	4"	47	2062
SS6E 17	60167275	60201831	6"	30	40		255	218	177	169	160	152	142	131	116	96	4"	50	2174
SS6E 18	60168010	60201832	6"	37	50		270	231	187	178	170	161	151	138	122	102	4"	52	2286
SS6E 19	60168011	60201833	6"	37	50		285	244	198	188	179	170	159	146	129	107	4"	55	2398
SS6E 20	60167276	60201834	6"	37	50		300	257	208	198	189	179	167	154	136	113	4"	58	2510
SS6E 21	60167277	60201837	6"	37	50		315	269	219	208	198	188	176	161	143	119	4"	60	2622
SS6E 22	60168012	60201838	6"	45	60		330	282	229	218	207	197	184	169	150	124	4"	63	2734
SS6E 23	60168013	60201839	8"	45	60		345	295	239	228	217	205	193	177	157	130	4"	65	2846
SS6E 24	60167278	60201840	8"	45	60		360	308	250	238	226	214	201	184	163	135	4"	68	2958
SS6E 25	60168014	60201841	8"	55	75		375	321	260	248	236	223	209	192	170	141	4"	71	3070
SS6E 26	60168015	60195646	8"	55	75		390	334	271	258	245	232	218	200	177	147	4"	73	3182
SS6E 27	60168016	60201842	8"	55	75		405	346	281	268	255	241	226	208	184	152	4"	76	3294
SS6E 28	60167279	60189119	8"	55	75		420	359	292	278	264	250	234	215	191	158	4"	79	3406
SS6E 29	60168017	60201843	8"	55	75		435	372	302	287	273	259	243	223	197	164	4"	81	3518
SS6E 30	60167280	60201844	8"	55	75		450	385	312	297	283	268	251	231	204	169	4"	84	3630

SS 7

7" SUBMERSIBLE PUMPS

Multistage semiaxial submersible electric pumps for wells measuring 7" or above, able to generate a broad range of flow rates. These units are used extensively for lifting, distribution, and pressurisation in civil and industrial water systems, filling of booster pumps and tanks, fire-fighting systems and washing of irrigation systems.
Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Pump body and impellers in pressed AISI 304 stainless steel or AISI 316.
Pump with check valve of low pressure loss.

For operation with inverter see the specifications of the coupled motor.

Performance range
flow up to 110 m³/h and max head of 423 m.

Max. quantity of sand/silt 50 g/m³.

Max. ambient temperature
30°C (50°C available on request).

Outlet connection diameter (inside threaded)
5".

Coupling with motors of 6" or 8" depending on the required hydraulic power, and available in standard or stainless steel version:
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.

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SS 7 A HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0			
				kW	HP	Q=l/sec	0,0	5,6	8,3	11,1	13,9	16,7	19,4	22,2	25,0	27,8			
SS7A 01	60167429	60197319	6"	4	5,5		19	19	18	17	16	15	14	12	11	8	5"	26	571
SS7A 02	60167430	60198890	6"	7,5	10		38	37	36	34	32	30	28	25	21	17	5"	30	699
SS7A 03	60167431	60201847	6"	11	15		58	56	54	51	49	45	42	37	32	25	5"	34	827
SS7A 04	60167432	60201848	6"	15	20		77	74	72	69	65	61	56	50	42	33	5"	38	955
SS7A 05	60167433	60201849	6"	18,5	25		96	93	90	86	81	76	69	62	53	41	5"	42	1083
SS7A 06	60167434	60201850	6"	22	30		115	111	108	103	97	91	83	74	63	50	5"	46	1211
SS7A 07	60168018	60201851	6"	26	35		135	130	126	120	114	106	97	87	74	58	5"	50	1339
SS7A 08	60167435	60201852	6"	30	40		154	149	144	137	130	121	111	99	84	66	5"	54	1467
SS7A 09	60168019	60201853	6"	37	50		173	167	161	154	146	136	125	111	95	75	5"	58	1595
SS7A 10	60167436	60201854	6"	37	50		192	186	179	172	162	152	139	124	105	83	5"	62	1723
SS7A 11	60168025	60201855	8"	45	60		211	204	197	189	179	167	153	136	116	91	5"	66	1851
SS7A 12	60167437	60201857	8"	45	60	H (mt)	231	223	215	206	195	182	167	149	127	99	5"	70	1979
SS7A 13	60168026	60201883	8"	55	75		250	241	233	223	211	197	181	161	137	108	5"	74	2107
SS7A 14	60168027	60201884	8"	55	75		269	260	251	240	227	212	195	173	148	116	5"	78	2235
SS7A 15	60167438	60201885	8"	55	75		288	278	269	257	244	227	208	186	158	124	5"	82	2363
SS7A 16	60168028	60201886	8"	63	85		307	297	287	275	260	243	222	198	169	133	5"	86	2491
SS7A 17	60168029	60201887	8"	75	100		327	316	305	292	276	258	236	210	179	141	5"	89	2619
SS7A 18	60168030	60201888	8"	75	100		346	334	323	309	292	273	250	223	190	149	5"	93	2747
SS7A 19	60168031	60193850	8"	75	100		365	353	341	326	309	288	264	235	200	158	5"	97	2875
SS7A 20	60168032	60201889	8"	75	100		384	371	359	343	325	303	278	248	211	166	5"	101	3003
SS7A 21	60168033	60201890	8"	75	100		404	390	377	360	341	318	292	260	221	174	5"	105	3131
SS7A 22	60168034	60201891	8"	92	125		423	408	395	378	357	334	306	272	232	182	5"	109	3259

SS 7

7" SUBMERSIBLE PUMPS

SS 7 B HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	20,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	115,0			
				kW	HP	Q=l/sec	0,0	5,6	11,1	13,9	16,7	19,4	22,2	25,0	27,8	31,9			
SS7B 01	60168045	60188350	6"	5,5	7,5		21	21	20	20	19	18	17	16	14	11	5"	26	571
SS7B 02	60167460	60199191	6"	11	15		43	43	41	39	38	36	34	32	28	21	5"	30	699
SS7B 03	60167461	60197156	6"	15	20		64	64	61	59	56	54	51	47	43	32	5"	34	827
SS7B 04	60168035	60201896	6"	22	30		85	86	81	78	75	72	68	63	57	43	5"	38	955
SS7B 05	60167462	60201897	6"	30	40		106	107	101	98	94	90	85	79	71	54	5"	42	1083
SS7B 06	60167463	60201898	6"	37	50		128	128	122	117	113	108	102	95	85	64	5"	46	1211
SS7B 07	60168036	60201899	6"	37	50		149	150	142	137	132	126	119	111	100	75	5"	50	1339
SS7B 08	60167464	60201900	8"	45	60		170	171	162	156	150	144	136	126	114	86	5"	54	1467
SS7B 09	60168037	60201901	8"	45	60		192	193	183	176	169	162	153	142	128	96	5"	58	1595
SS7B 10	60167482	60201902	8"	55	75	H (mt)	213	214	203	196	188	180	170	158	142	107	5"	62	1723
SS7B 11	60168038	60201903	8"	63	85		234	235	223	215	207	197	187	174	157	118	5"	66	1851
SS7B 12	60167483	60201904	8"	75	100		256	257	243	235	225	215	204	190	171	128	5"	70	1979
SS7B 13	60168039	60201905	8"	75	100		277	278	264	254	244	233	221	206	185	139	5"	74	2107
SS7B 14	60168040	60201906	8"	75	100		298	300	284	274	263	251	238	221	199	150	5"	78	2235
SS7B 15	60168041	60201907	8"	92	125		319	321	304	293	282	269	255	237	214	161	5"	82	2363
SS7B 16	60168042	60201908	8"	92	125		341	342	325	313	301	287	272	253	228	171	5"	86	2491
SS7B 17	60168043	60201909	8"	92	125		362	364	345	332	319	305	289	269	242	182	5"	90	2619
SS7B 18	60168044	60201910	8"	110	150		383	385	365	352	338	323	306	285	256	193	5"	94	2747
SS7B 19	60168046	60201911	8"	110	150		405	407	385	372	357	341	323	300	271	203	5"	98	2875
SS7B 20	60168047	60201912	8"	110	150		426	428	406	391	376	359	340	316	285	214	5"	102	3003

SS 8

8" SUBMERSIBLE PUMPS

Multistage **semiaxial** submersible electric pumps for wells measuring 8" or above, able to generate a broad range of flow rates. These units are used extensively for lifting, distribution, and pressurisation in civil and industrial water systems, filling of booster pumps and tanks, fire-fighting systems and washing of irrigation systems.
Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump
Pump body and impellers in pressed AISI 304 stainless steel or AISI 316.
Pump with check valve of low pressure loss.
For operation with inverter see the specifications of the coupled motor.

Performance range
flow up to 210 m³/h and max head of 555 m.
Max. quantity of sand/silt 50 g/m³.
Max. ambient temperature
30°C (50°C available on request).
Outlet connection diameter (inside threaded)
6".

Coupling with motors of 6", 8" or 10" depending on the required hydraulic power, and available in standard or stainless steel version:
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.
TR 10: rewindable 10" submersible motor.

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SS 8 A HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	30,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0			
				kW	HP	Q=l/sec	0,0	8,3	19,4	22,2	25,0	27,8	30,6	33,3	36,1	38,9			
SS8A 01	60168101	60192472	6"	7,5	10		28	26	23	22	21	20	18	16	15	12	6"	32	686
SS8A 02	60168102	60192473	6"	15	20		56	52	46	44	42	39	36	33	29	24	6"	38	842
SS8A 03	60168103	60199300	6"	22	30		83	78	69	66	63	59	54	49	44	37	6"	45	997
SS8A 04	60168104	60201958	6"	30	40		111	104	91	88	83	78	73	66	58	49	6"	51	1153
SS8A 05	60168105	60201975	6"	37	50		139	129	114	110	104	98	91	82	73	61	6"	57	1309
SS8A 06	60168106	60195645	8"	45	60		167	155	137	131	125	118	109	99	87	73	6"	64	1465
SS8A 07	60168107	60179815	8"	55	75		194	181	160	153	146	137	127	115	102	86	6"	70	1620
SS8A 08	60168108	60201976	8"	63	85		222	207	183	175	167	157	145	132	116	98	6"	76	1776
SS8A 09	60168109	60201977	8"	75	100		250	233	206	197	188	176	163	148	131	110	6"	83	1932
SS8A 10	60168110	60201978	8"	75	100		278	259	229	219	208	196	182	165	145	122	6"	89	2087
SS8A 11	60168117	60201981	8"	92	125	H (mt)	305	285	252	241	229	216	200	181	160	135	6"	95	2243
SS8A 12	60168118	60179331	8"	92	125		333	311	274	263	250	235	218	198	174	147	6"	101	2399
SS8A 13	60168119	60184117	8"	92	125		361	337	297	285	271	255	236	214	189	159	6"	108	2554
SS8A 14	60168120	60201982	8"	110	150		389	362	320	307	292	274	254	231	203	171	6"	114	2710
SS8A 15	60168121	60174845	8"	110	150		416	388	343	329	313	294	272	247	218	184	6"	120	2866
SS8A 16	60168128	60201983	10"	132	180		444	414	366	351	333	313	290	264	232	196	6"	127	3022
SS8A 17	60168129	60175211	10"	132	180		472	440	389	373	354	333	309	280	247	208	6"	133	3177
SS8A 18	60168130	60201984	10"	132	180		500	466	412	394	375	353	327	297	262	220	6"	139	3333
SS8A 19	60168131	60201985	10"	147	200		527	492	435	416	396	372	345	313	276	233	6"	145	3489
SS8A 20	60168132	60201986	10"	147	200		555	518	457	438	417	392	363	330	291	245	6"	152	3644

SS 8

8" SUBMERSIBLE PUMPS

SS 8 B HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	40,0	70,0	90,0	120,0	130,0	140,0	150,0	160,0	170,0			
				kW	HP	Q=l/sec	0,0	11,1	19,4	25,0	33,3	36,1	38,9	41,7	44,4	47,2			
SS8B 01.B1	60168135	60201991	6"	9,3	12,5		27	25	23	22	19	18	17	16	14	12	6"	32	686
SS8B 01	60168136	60199296	6"	11	15		33	31	28	27	24	23	21	19	17	14	6"	32	686
SS8B 02.B2	60168137	60175523	6"	18,5	25		54	50	46	44	39	37	34	32	28	24	6"	39	842
SS8B 02	60168138	60201992	6"	22	30		65	61	57	53	48	45	42	38	34	29	6"	39	842
SS8B 03.B3	60168139	60201993	6"	30	40		80	75	70	66	58	55	52	47	42	35	6"	45	997
SS8B 03	60168140	60201994	6"	37	50		98	92	85	80	71	68	63	58	51	43	6"	45	997
SS8B 04	60168142	60201995	8"	45	60		131	122	113	107	95	90	84	77	68	58	6"	52	1153
SS8B 05.B3	60168143	60201996	8"	55	75		146	136	126	119	106	100	94	86	76	64	6"	58	1309
SS8B 05	60168144	60201997	8"	55	75	H (mt)	163	153	142	134	119	113	105	96	85	72	6"	58	1309
SS8B 06	60168149	60179814	8"	75	100		196	183	170	160	143	135	126	115	102	87	6"	65	1465
SS8B 07	60168151	60201998	8"	75	100		228	214	198	187	166	158	147	135	119	101	6"	71	1620
SS8B 08	60168153	60201999	8"	92	125		261	245	227	214	190	180	168	154	136	115	6"	78	1776
SS8B 09	60168154	60202000	8"	110	150		294	275	255	240	214	203	189	173	153	130	6"	84	1932
SS8B 10	60168155	60202001	8"	110	150		326	306	283	267	238	225	210	192	171	144	6"	91	2087
SS8B 11	60168156	60202002	10"	132	180		359	336	312	294	261	248	231	211	188	159	6"	97	2243
SS8B 12	60168157	60202003	10"	132	180		392	367	340	320	285	270	252	231	205	173	6"	104	2399
SS8B 13	60168159	60202005	10"	147	200		424	397	368	347	309	293	273	250	222	187	6"	110	2554

SS 8 C HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA											DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	50,0	70,0	90,0	110,0	130,0	150,0	170,0	190,0	210,0			
				kW	HP	Q=l/sec	0,0	13,9	19,4	25,0	30,6	36,1	41,7	47,2	52,8	58,3			
SS8C 01.B1	60169247	60198413	6"	9,2	12,5		24	22	21	20	18	17	16	14	12	9	6"	34	686
SS8C 01	60168162	60199193	6"	11	15		30	28	26	24	23	22	20	18	15	11	6"	34	686
SS8C 02.B2	60169248	60199192	6"	18,5	25		48	44	42	39	37	34	32	28	23	17	6"	40	842
SS8C 02	60168163	60201413	6"	22	30		60	55	52	49	46	43	40	35	29	22	6"	40	842
SS8C 03.B3	60169249	60202007	6"	30	40		78	72	68	64	60	56	52	46	38	28	6"	47	997
SS8C 03	60168165	60179062	6"	37	50		90	83	78	73	69	65	60	53	44	32	6"	47	997
SS8C 04	60168166	60194395	8"	45	60		120	111	104	98	92	86	80	71	58	43	6"	53	1153
SS8C 05	60168167	60202008	8"	55	75		150	139	130	122	115	108	99	88	73	54	6"	60	1309
SS8C 06.B3	60169462	60202010	8"	63	85		162	150	141	132	124	116	107	95	79	58	6"	66	1465
SS8C 06	60168168	60202009	8"	75	100		180	166	156	147	138	129	119	106	88	65	6"	66	1465
SS8C 07.B3	60169463	60202012	8"	75	100	H (mt)	192	177	167	156	147	138	127	113	94	69	6"	73	1620
SS8C 07	60168169	60202011	8"	92	125		210	194	182	171	161	151	139	124	102	76	6"	73	1620
SS8C 08	60168170	60202013	8"	92	125		240	222	208	195	184	172	159	141	117	87	6"	79	1776
SS8C 09	60168171	60202014	8"	110	150		270	249	234	220	207	194	179	159	132	97	6"	86	1932
SS8C 10	60168172	60202015	8"	110	150		300	277	260	244	230	215	199	176	146	108	6"	92	2087
SS8C 11	60168173	60202016	10"	132	180		330	305	286	269	253	237	219	194	161	119	6"	99	2243
SS8C 12	60168174	60202017	10"	147	200		360	333	312	293	276	259	239	212	175	130	6"	105	2399
SS8C 13	60168176	60202018	10"	147	200		390	360	338	318	299	280	258	229	190	141	6"	112	2554
SS8C 14	60169464	60202019	10"	170	230		420	388	364	342	322	302	278	247	205	152	6"	118	2710
SS8C 15	60169465	60202020	10"	190	260		450	416	390	366	345	323	298	265	219	162	6"	124	2866
SS8C 16	60169466	60202021	10"	190	260		480	443	416	391	368	345	318	282	234	173	6"	131	3022

SS 10

10" SUBMERSIBLE PUMPS

Multistage **semiaxial** submersible electric pumps for wells measuring 10" or above, able to generate a broad range of flow rates. These units are used extensively for lifting, distribution, and pressurisation in civil and industrial water systems, filling of booster pumps and tanks, fire-fighting systems and washing of irrigation systems.
Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Pump body and impellers in pressed AISI 304 stainless steel or AISI 316.
Pump with check valve of low pressure loss.

For operation with inverter see the specifications of the coupled motor.

Performance range

flow up to 290 m³/h and max head of 385 m.

Max. quantity of sand/silt 50 g/m³.

Max. ambient temperature

30°C (50°C available on request).

Outlet connection diameter (inside threaded)

6".

Coupling with motors of 6", 8" or 10" depending on the required hydraulic power, and available in standard version or a version completely in stainless steel.
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.
TR 10: rewindable 10" submersible motor.

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SS 10 A HYDRAULIC PART

MODEL	STANDARD	AISI 316	MOTOR COUPLING	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULIC PART CODE	HYDRAULIC PART CODE		P2 NOMINAL REQUESTED		Q=m³h	0,0	50,0	100,0	140,0	180,0	200,0	220,0	240,0	260,0	290,0			
				kW	HP	Q=l/min	0,0	13,9	27,8	38,9	50,0	55,6	61,1	66,7	72,2	80,6			
SS10A 01.B1	60168180	60202026	6"	15	20		29	27	25	22	20	19	18	16	15	11	6"	44	794
SS10A 01	60169211	60202025	6"	18,5	25		39	36	33	30	27	25	24	22	19	15	6"	44	794
SS10A 02.B2	60169212	60202027	6"	30	40		58	54	49	44	40	37	35	32	29	22	6"	55	970
SS10A 02	60168182	60179063	6"	37	50		77	72	66	59	53	50	47	44	39	30	6"	55	970
SS10A 03.B3	60169467	60202028	8"	45	60		87	81	74	66	59	56	53	49	44	34	6"	66	1147
SS10A 03.B1	60169468	60184904	8"	55	75		106	99	91	81	73	69	65	60	53	41	6"	66	1147
SS10A 03	60169469	60202030	8"	63	85		116	108	99	89	80	75	71	65	58	45	6"	66	1147
SS10A 04.B2	60169470	60202031	8"	75	100	H (mt)	135	126	115	103	93	88	82	76	68	53	6"	76	1323
SS10A 04	60168185	60182311	8"	75	100		155	145	132	119	106	100	94	87	78	60	6"	76	1323
SS10A 05	60168186	60202032	8"	92	125		194	181	165	148	133	125	118	109	97	75	6"	87	1499
SS10A 06	60168187	60202033	8"	110	150		232	217	198	178	159	151	141	131	117	91	6"	98	1675
SS10A 07	60168188	60202034	10"	132	180		271	253	231	207	186	176	165	152	136	106	6"	109	1851
SS10A 08	60168189	60202035	10"	147	200		310	289	264	237	212	201	189	174	156	121	6"	119	2028
SS10A 09	60168190	60202036	10"	170	230		349	325	298	267	239	226	212	196	175	136	6"	130	2204
SS10A 10	60168191	60202037	10"	190	260		387	362	331	296	265	251	236	218	195	151	6"	141	2380

SMC 6

6" SUBMERSIBLE PUMPS

Multistage semiaxial submersible electric pumps for wells measuring 6" or above, able to generate a broad range of flow rates and heads. They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of booster pumps and tanks, fire fighting systems and irrigation systems. Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 304 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.

Pump with check valve of low pressure loss. Threaded delivery port.

Refer to the technical data sheets of the specific model for the electrical characteristics of the coupled motors and the specifications for operation with inverter.

Operating range
up to 84 m^3/h with head up to 452 m.

Pumped liquid clean, free of solids and abrasives, chemically neutral, with properties similar to water.

Starts/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand
40 g/m^3.

Ambient temperature 30°C.

Minimum recommended level on suction line
1 m.

Installation horizontal or vertical.

Coupling with motors of 4", 6" or 8" depending on the required hydraulic power, and available in standard version or a version completely in stainless steel.
4GG: encapsulated 4" submersible motor.
4OL: 4" submersible motor in oil bath.
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.

ACCESSORIES
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SMC 6 30 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m^3h	0	9	12	15	18	21	24	27	30	33	36	42	DNM GAS	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	150	200	250	300	350	400	450	500	550	600	700				
SMC6 30/4E	60177213	5,5	7,5		66,5	63	62	60,5	59	57	54,5	51,5	47,5	42,5	36,5	23	2½"	28	634	4"
SMC6 30/5E	60177214	7,5	10		83	79	77	75,5	73,5	71	68	64	59	53	45	28,5	2½"	33	710	6"
SMC6 30/7G	60177215	9,3	12,5		113	107,5	105,5	102,5	99	95,5	90	84	76,5	67,5	56,5	32,5	2½"	42	875	6"
SMC6 30/8E	60177216	11	15		133	126	123,5	120,5	117,5	113,5	108,5	102	94	84	71,5	45	2½"	46	958	6"
SMC6 30/10F	60177217	13	17,5		161,5	150,5	148	144,5	140,5	136	129	120	109	96	79,5	49	2½"	55	1123	6"
SMC6 30/11E	60177218	15	20		182,5	171	167,5	164	159,5	154,5	147	137,5	125,5	111	93	58	2½"	60	1205	6"
SMC6 30/12E	60177219	18,5	25	H (mt)	199,5	186,5	183	178,5	174	168,5	160	149,5	136,5	121	101,5	63,5	2½"	65	1288	6"
SMC6 30/14E	60177220	18,5	25		232,5	217,5	213,5	208,5	203	196,5	187	174,5	159,5	141	118	73,5	2½"	74	1453	6"
SMC6 30/15E	60177221	22	30		249	233	228,5	223,5	217,5	210,5	200	187	170,5	151	126,5	79	2½"	78	1535	6"
SMC6 30/17F	60177222	22	30		274,5	256	251,5	245,5	239	230,5	219	204	185	162,5	135	82	2½"	88	1700	6"
SMC6 30/20F	60177223	26	35		322,5	304	297,5	290	282	272,5	259	240,5	217,5	189	155	92,5	2½"	101	1948	6"
SMC6 30/22E	60177224	30	40		361	339	332	325	318	306	291	271,5	246	215	177	106,5	2½"	110	2113	6"
SMC6 30/25F	60177225	37	50		403	380	372	362,5	352,5	340,5	323,5	301	271,5	236	193,5	115,5	2½"	124	2360	6"
SMC6 30/28F	60177226	37	50		451,5	425,5	416,5	405,5	394,5	381,5	362	337	304	264,5	216,5	129	2½"	138	2608	6"

SMC 6

6" SUBMERSIBLE PUMPS

SMC 6 45 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	12	18	24	30	36	42	45	48	54	60	66	DNM GAS	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	200	300	400	500	600	700	750	800	900	1000	1100				
SMC6 45/3H	60177227	4	5,5		39	35,5	33,5	32	30,5	28,5	26	24,5	23	18,5	14	9	3"	26	664	4"
SMC6 45/4H	60177228	5,5	7,5		52	47,5	45	43	41	38,5	35	33	30,5	25,5	19	13	3"	31	773	4"
SMC6 45/5G	60177229	7,5	10		70	64	61,5	59,5	57	54	49,5	47	44	37,5	29,5	20	3"	37	888	6"
SMC6 45/6F	60177230	9,2	12,5		85,5	78,5	75	72,5	69,5	66	60,5	57,5	53,5	45	35	24,5	3"	42	1003	6"
SMC6 45/7E	60177231	11	15		101	95,5	92	89	85	80	72,5	68,5	64	53,5	41,5	28,5	3"	47	1118	6"
SMC6 45/8E	60177232	15	20		116	110	106,5	103	99	93	85	80,5	75	63	48	31,5	3"	53	1233	6"
SMC6 45/10F	60177233	15	20		140,5	130	124,5	119,5	114,5	108	99	93,5	87,5	73,5	57	39,5	3"	64	1463	6"
SMC6 45/11F	60177234	18,5	25	H (mt)	154,5	143	137	131,5	125,5	118,5	108,5	102,5	96	80,5	62,5	43,5	3"	69	1578	6"
SMC6 45/12F	60177236	18,5	25		168,5	156	149	143,5	137	129,5	118,5	112	104,5	87,5	68	47	3"	74	1693	6"
SMC6 45/13F	60177237	22	30		182,5	168,5	161,5	155,5	148,5	140	128	121	113	95	73,5	51	3"	80	1808	6"
SMC6 45/14E	60177238	22	30		201,5	190,5	183,5	177	169	159	144,5	136	126,5	105,5	81,5	57	3"	85	1923	6"
SMC6 45/17F	60177239	26	35		238,5	220,5	211	203	194	183	167,5	158	147,5	123,5	95,5	66	3"	101	2268	6"
SMC6 45/20F	60177240	30	40		280,5	259,5	248,5	238,5	228	215	196,5	186	173,5	145,5	112	75	3"	117	2613	6"
SMC6 45/22G	60177241	37	50		308	284,5	274	263	250	234	212,5	200,5	187	157	121	78,5	3"	128	2843	6"
SMC6 45/24F	60177242	37	50		336,5	311	298	286	273,5	258	236	222,5	208	174	134,5	93	3"	139	3073	6"

SMC 6 60 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	18	30	36	42	48	54	60	66	72	78	84	DNM GAS	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	300	500	600	700	800	900	1000	1100	1200	1300	1400				
SMC6 60/2G	60177243	4	5,5		26,5	24,5	23,5	22,5	21,5	20	18,5	16	14	11	8	5	3"	21	549	4"
SMC6 60/3G	60177244	5,5	7,5		39,5	37	35,5	34	32,5	30,5	28	24,5	21	17	13	8	3"	26	664	4"
SMC6 60/4G	60177245	7,5	10		52	50,5	48,5	47	45	42	39	34,5	30	25	19,5	13	3"	31	773	6"
SMC6 60/5G	60177246	9,2	12,5		65	63	60,5	58,5	56	52,5	48,5	43	37	31	24	16	3"	37	888	6"
SMC6 60/6G	60177247	11	15		78	75,5	72,5	70	67,5	63	58	51,5	44,5	36,5	28	18,5	3"	42	1003	6"
SMC6 60/7E	60177248	13	17,5		94,5	89	83,5	81	77,5	72,5	67	59,5	51	42	32	22,5	3"	47	1118	6"
SMC6 60/8E	60177249	15	20		108	101,5	95,5	92,5	88,5	83	76,5	68	58,5	47,5	36,5	25,5	3"	53	1233	6"
SMC6 60/9E	60177250	18,5	25		121,5	114	107,5	104	99,5	93	86	76	65,5	53,5	41	28	3"	58	1348	6"
SMC6 60/10E	60177251	18,5	25	H (mt)	135	126,5	119,5	115,5	110,5	103,5	95,5	84,5	72,5	59	45	31	3"	64	1463	6"
SMC6 60/11E	60177252	22	30		148	139,5	131,5	127	121,5	113,5	104,5	93	79,5	65	49,5	34	3"	69	1578	6"
SMC6 60/12E	60177253	22	30		161,5	152	143	138,5	132,5	124	114	101	87	70,5	54	36,5	3"	74	1693	6"
SMC6 60/14E	60177254	26	35		188,5	178,5	169,5	163,5	156,5	146	134	119,5	103,5	85,5	66,5	44,5	3"	85	1923	6"
SMC6 60/16E	60177255	30	40		215,5	204	193,5	187	178,5	166,5	153	136,5	118	97,5	75,5	50,5	3"	96	2153	6"
SMC6 60/18F	60177256	37	50		238	225	213,5	206	196,5	183	167	148,5	128	105	80	52,5	3"	106	2383	6"
SMC6 60/20E	60177257	37	50		269,5	255	242	233,5	223	208	191,5	170	147	121,5	94	62,5	3"	117	2613	6"
SMC6 60/24E	60177258	45	60		323,5	306	290	280	267,5	249,5	229,5	204	176,5	145,5	112	74,5	3"	139	3073	6"

SMC 8

8" SUBMERSIBLE PUMPS

8 "semi-axial multi-impeller submersible pump with cast iron pump body.
Designed for pressurization activities, pressurization and ground-water in commercial building service and to be used in irrigation systems, also in agriculture.
Different types of impeller available to ensure the best efficiency at different flow rates and models up to 18 impellers to cover a wide range of heads.
Impellers in micro-cast AISI 304 stainless steel.
Threaded delivery port.
Pump equipped with non-return valve with low pressure drop.
The pump complies with DM174 for use with drinkable water.
The package contains the two cable covers to be used according to the type of starting (direct or star / delta).

Coupling with motors from 6 "to 8" depending on the power required by the hydraulics:

- 6GF: encapsulated 6" submersible motor
- TR 6: rewindable 6" submersible motor
- TR 8: rewindable 8" submersible motor

For operation with the variable frequency drive, refer to the specifications of the coupled motor.

Flow rate maximum
Up to 192 m^3/h with head up to 500 m.
Maximum immersion depth
Depending on the motor.
Pumped liquid Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral.
Amount of sand supported 80 g/m^3.
Liquid temperature range
From 0°C to +30°C.
Maximum pressure Depending on the motor.
Flanges, thread 5".
Pump maximum diameter 203 mm.
Impeller/s material
Micro-cast AISI 304 stainless steel.
Protection class IP 68.
Single phase power input Not available.
Three phase power input
3x230 V 50 Hz / 3x400 V 50 Hz.
Power cable (m) and plug Depending on the motor, all without the power plug.
Possible type of installation
Fixed in vertical position.
Horizontal installation permitted by removing the non-return valve and installing a cooling jacket (check the applicability of the motor for horizontal use in the dedicated section).

SMC 8 60 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	MOTOR STARTING	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m^3h	0	24	36	42	48	54	60	66	72	78	84	90	DNM	WEIGHT KG	H mm
					Q=l/min	0	400	600	700	800	900	1000	1100	1200	1300	1400	1500			
SMC8.1 60/2T	60211508	6"	7,5	10		48,5	46	43	41,5	39	37	34	30,5	26,5	22,5	18	13	5"	43	635
SMC8.1 60/2M	60211509	6"	9,3	12,5		55	52	49,5	47,5	46	44	41,5	38	34,5	30,5	26	21	5"	43	635
SMC8.1 60/2D	60211510	6"	11	15		63,5	58	55	53,5	52	50	47,5	44,5	41	36,5	32	27	5"	43	635
SMC8.1 60/3G	60211511	6"	15	20		87	82,5	79	76,5	74	71	67	62	56,5	50,5	43,5	36	5"	53	745
SMC8.1 60/4I	60211512	6"	18,5	25		112	106	101	98	94	89,5	84,5	78	70,5	62,5	53,5	44	5"	63	855
SMC8.1 60/4D	60211513	6"	22	30		125	116,5	111,5	108,5	105,5	101	96,5	90	82,5	74	64,5	54	5"	63	855
SMC8.1 60/5G	60211514	6"	26	35		149	140	134	130,5	126	121	115	107	98	87,5	76,5	64	5"	73	965
SMC8.1 60/6G	60211515	6"	30	40		170,5	163,5	156,5	152	146,5	140,5	133	123	112	99,5	86	71	5"	83	1075
SMC8.1 60/7E	60211516	6"	37	50	H (m)	208	200	193	188	183	176	168	156	144	130	114	97	5"	93	1185
SMC8.1 60/8E	60211517	8"	45	60		248	235	226	221	215	208	199	186	172	156	138	118	5"	103	1295
SMC8.1 60/10E	60211518	8"	55	75		308	294	283	277	269	259	248	232	214	194	171	146	5"	123	1515
SMC8.1 60/10D	60211519	8"	63	85		317	302	292	287	280	271	260	245	228	209	187	162	5"	123	1515
SMC8.1 60/12C	60211520	8"	75	100		382	364	352	346	337	327	314	296	275	251	224	194	5"	143	1735
SMC8.1 60/13D	60211521	8"	75	100		406	387	375	367	358	346	332	312	289	263	233	201	5"	153	1845
SMC8.1 60/14D	60211522	8"	92	125		438	419	406	398	389	377	362	340	316	288	257	222	5"	163	1955
SMC8.1 60/15D	60211523	8"	92	125		468	450	436	427	416	403	387	364	337	307	274	236	5"	173	2065
SMC8.1 60/16D	60211524	8"	92	125		498	479	464	455	443	429	411	386	358	326	289	249	5"	183	2175

SMC 8

8" SUBMERSIBLE PUMPS

SMC 8 85 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	MOTOR STARTING	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h	0	24	36	54	72	78	84	90	96	102	108	120	DNM	WEIGHT KG	H mm
					Q=l/min	0	400	600	900	1200	1300	1400	1500	1600	1700	1800	2000			
SMC8.1 85/2H	60211525	6"	7,5	10		47,5	37,5i	33,5	31,5	29	27,5	25,5	23,5	21	18,5	16	9,5	5"	42	687
SMC8.1 85/2C	60211526	6"	9,3	12,5		54,5	43	39	36,5	34,5	33,5	31,5	29,5	27,5	25	22,5	16,5	5"	42	687
SMC8.1 85/3H	60211527	6"	11	15		71,5	56,5	50,5	47,5	44	41,5	38,5	35,5	32	28	24	14,5	5"	52	823
SMC8.1 85/4H	60211528	6"	15	20		95	75,5	67,5	63,5	58,5	55,5	52	47,5	42,5	37,5	32	20	5"	63	959
SMC8.1 85/5I	60211529	6"	18,5	25		117	93	82,5	77	71	67	62,5	56,5	50,5	44,5	37,5	22	5"	73	1095
SMC8.1 85/5D	60211530	6"	22	30		128,5	103,5	93,5	88,5	83	79	74,5	68,5	62,5	55,5	48	33,5	5"	73	1095
SMC8.1 85/6D	60211531	6"	26	35		154,5	124,5	112,5	106	99	94,5	89	82	75	67	59	40,5	5"	84	1231
SMC8.1 85/7D	60211532	6"	30	40		177,5	143	128	120,5	113	107	101	93	84,5	75,5	66	45	5"	96	1367
SMC8.1 85/8B	60211533	6"	37	50	H (m)	214	173,5	155,5	147	138	131,5	124,5	115,5	106	95,5	84,5	60,5	5"	106	1503
SMC8.1 85/9A	60211534	8"	45	60		250	205	185	175	165	158,5	150,5	140,5	130	118,5	106	79,5	5"	117	1639
SMC8.1 85/11A	60211535	8"	55	75		304,5	249,5	225,5	214	202,5	194	184	171,5	158,5	144	129	95	5"	138	1911
SMC8.1 85/12A	60211536	8"	63	85		330,5	270,5	245	232,5	220,5	211	200,5	187	172,5	157	140	102	5"	149	2047
SMC8.1 85/14A	60211537	8"	75	100		389	316,5	286	271,5	257	246	233,5	218	201	183	163,5	120	5"	170	2319
SMC8.1 85/15A	60211538	8"	75	100		416,5	339	306,5	291	275,5	263,5	250,5	233,5	215,5	196	175	128,5	5"	181	2455
SMC8.1 85/16A	60211539	8"	92	125		444,5	361,5	327	310,5	294	281	267	249	230	209,5	187	137	5"	192	2591
SMC8.1 85/17A	60211540	8"	92	125		472,5	384	347,5	330	312	298,5	284	265	244,5	222,5	198,5	146	5"	202	2727
SMC8.1 85/18A	60211541	8"	92	125		500	407	367,5	349	330,5	316	300,5	280,5	258,5	235,5	210,5	154,5	5"	213	2863

SMC 8 110 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h	0	36	66	84	96	102	108	114	120	126	138	156	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600				
SMC8 110/2H	60177324	13	17,5		47,5	42,5	39,5	37	35,5	34,5	33,5	32	30,5	28,5	24,5	17	5"	36	729	6"
SMC8 110/3G	60177325	18,5	25		69,5	63	57,5	53	50,5	49	47	45	42	39,5	33	22	5"	46	886	6"
SMC8 110/3B	60177326	22	30		76	69	64	60,5	57,5	56	54	51,5	49	46	39	27,5	5"	46	886	6"
SMC8 110/4F	60177327	26	35		95	87,5	80,5	75,5	72	69,5	67	63,5	60	56	47,5	32,5	5"	56	1043	6"
SMC8 110/5I	60177443	30	40		112,5	103,5	95	89	84	81,5	78	74	69,5	64,5	53,5	35,5	5"	66	1200	6"
SMC8 110/5F	60177444	37	50		118	109,5	101,5	95,5	91	88	85	80,5	76	71	60,5	41,5	5"	66	1200	6"
SMC8 110/6H	60177445	37	50		137,5	126	117	109,5	103,5	100	96	90,5	85	79	66	45	5"	76	1357	6"
SMC8 110/6F	60177446	45	60		144,5	134	124,5	117,5	112	109	105,5	100,5	95	89	76	53,5	5"	76	1357	8"
SMC8 110/6B	60177447	45	60	H (mt)	155,5	144	134,5	127	121	117,5	113,5	108,5	102,5	96,5	83	59,5	5"	76	1357	8"
SMC8 110/7C	60177448	55	75		178,5	165,5	154	146	139	135	130,5	124,5	117,5	110	92,5	63,5	5"	86	1514	8"
SMC8 110/9L	60177449	55	75		200,5	186	171,5	161,5	154	149	143	136	127,5	118,5	98,5	66	5"	106	1828	8"
SMC8 110/9G	60177450	63	85		209	194,5	180	170	162	157	152	146	137,5	128,5	108,5	74,5	5"	106	1828	8"
SMC8 110/9B	60177451	75	100		225,5	212	196,5	185,5	176,5	171,5	165,5	159,0	150,5	141,0	121,0	88,0	5"	106	1828	8"
SMC8 110/10B	60177452	75	100		251,0	235,5	218	206	196	190,5	184	177	167,5	157	134,5	97,5	5"	116	1985	8"
SMC8 110/11B	60177453	92	125		276	259	240	226,5	215,5	209,5	202,5	194,5	184	172,5	147,5	107,5	5"	126	2142	8"
SMC8 110/13E	60177454	92	125		313	294	272	257	244,5	238	230	221	209	196,5	167,5	117,5	5"	146	2456	8"
SMC8 110/14C	60177455	110	150		351	329,5	305,5	288,5	274,5	266,5	257,5	247,5	234	219,5	188	137	5"	156	2613	8"
SMC8 110/15C	60177456	110	150		376	353	327,5	309	294	285,5	276	265,5	251	235,5	201,5	146,5	5"	166	2770	8"

SMC 8

8" SUBMERSIBLE PUMPS

SMC 8 135 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h	0	36	72	96	108	120	132	144	156	168	180	192	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200				
SMC8 135/2M	60177457	13	17,5		47,5	42	37,5	34,5	33	30,5	28	24,5	20,5	16	12	8,5	5"	43	729	6"
SMC8 135/2F	60177458	15	20		52	46	41	38,5	36,5	34,5	32	29	25	21	16,5	12	5"	43	729	6"
SMC8 135/2C	60177459	18,5	25		55	48,5	43,5	41	39	37	34,5	31	27	23	19	15,5	5"	43	729	6"
SMC8 135/3N	60177460	18,5	25		63,5	58,5	53,5	49	45,5	42	37	32	26	20	14		5"	55	886	6"
SMC8 135/3L	60177461	22	30		70	64	57,5	53	50,5	47	42,5	37,5	31,5	25	19	13,5	5"	55	886	6"
SMC8 135/3B	60177462	26	35		82,5	75	68,5	64	61	58	54,5	49,5	43	36	29,5	22	5"	55	886	6"
SMC8 135/4E	60177463	30	40		101	90	82	76,5	72,5	68,5	63	56,5	49,5	41,5	33	24	5"	67	1043	6"
SMC8 135/4C	60177464	37	50		106	95	88	82	78	73,5	68	61,5	54	45,5	36,5	26,5	5"	67	1043	6"
SMC8 135/5F	60177465	37	50	H (mt)	121,5	111	101,5	94	89	84	77,5	69	60	50	39,5	28	5"	79	1200	6"
SMC8 135/5E	60177466	45	60		128,5	118	108	100	95,5	90,5	84,5	77	68	58,5	47,5	35,5	5"	81	1200	8"
SMC8 135/6F	60177467	45	60		151	135,5	125	116	110,5	104	96,5	86,5	76	64	51,5	38	5"	93	1357	8"
SMC8 135/7G	60177468	55	75		176	159,5	147	137	130,5	123	114	102	89	75	60	44,5	5"	105	1514	8"
SMC8 135/7E	60177469	55	75		181	164	151,5	141,5	135,5	128	119	107	94	80	65	49,5	5"	105	1514	8"
SMC8 135/8G	60177470	63	85		201,5	182	168	156,5	149,5	140,5	130	117	102	85,5	68,5	51	5"	117	1671	8"
SMC8 135/9G	60177471	75	100		220	200,5	185	171,5	163	153,5	141,5	127	110,5	93	74	54	5"	129	1828	8"
SMC8 135/9C	60177472	75	100		238	219,5	201,5	187	178,5	169	158	143,5	128	110,5	91	69,5	5"	129	1828	8"
SMC8 135/11C	60177473	92	125		291	268,5	246,5	228,5	218	206,5	193	175,5	156,5	135	111	85	5"	154	2142	8"
SMC8 135/13C	60177474	110	150		343,5	317	291	270	258	244	228	207,5	185	159,5	131,5	100,5	5"	178	2456	8"

SMC 10

10" SUBMERSIBLE PUMPS

Multistage semiaxial submersible electric pumps for wells measuring 10" or above, able to generate a broad range of flow rates and heads. They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of booster pumps and tanks, fire fighting systems and irrigation systems. Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 304 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss. Flanged delivery port and kit containing counter flange, bolts and gaskets.
Refer to the technical data sheets of the specific model for the electrical characteristics of the submersible motors and the specifications for operation with inverter.

Operating range
Up to 400 m^3/h with head up to 453 m.

Pumped liquid clean, free of solids and abrasives, chemically neutral, with properties similar to water.

Start-ups/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand 40 g/m^3.

Ambient temperature 30°C.

Minimum recommended level on suction line 2 m.

Installation horizontal or vertical.

Coupling with motors of 6", 8" or 10" depending on the required hydraulic power, and available in standard version or a version completely in stainless steel.
6GF: encapsulated 6" submersible motor.
TR 6: rewindable 6" submersible motor.
TR 8: rewindable 8" submersible motor.
TR 10: rewindable 10" submersible motor.

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SMC 10 200 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED		HYDRAULIC DATA													DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=m^3/h	0	60	84	108	132	150	168	180	192	210	234	258				
		kW	HP	Q=l/min	0	1000	1400	1800	2200	2500	2800	3000	3200	3500	3900	4300				
SMC10 200/1M	60177475	11	15		32	25,5	24	22	20,5	19	17,5	16,5	15	12,5	9		6"	66	687	6"
SMC10 200/1L	60177476	13	17,5		35,5	29	27	25,5	24	22,5	21	19,5	18	15,5	11,5	6,5	6"	66	687	6"
SMC10 200/1H	60177477	15	20		40	33	30,5	29	27	25,5	24	23	21,5	19	16	12	6"	66	687	6"
SMC10 200/1G	60177478	18,5	25		41	34	32	30	28	26,5	25	24	22,5	20	17	13	6"	66	687	6"
SMC10 200/1C	60177479	18,5	25		45	37	34,5	32,5	30,5	29	27,5	26	24,5	22	18,5	14	6"	66	687	6"
SMC10 200/1A	60177480	22	30		48	39	36,5	34,5	32,5	31,5	29,5	28,5	27	24	19,5	14	6"	66	687	6"
SMC10 200/2M	60177481	22	30		64	51,5	48	44,5	41	38,5	35,5	33	30	25,5	17,5		6"	92	847	6"
SMC10 200/2L	60177482	26	35		70,5	58,5	55	52	48,5	46	43	40,5	37,5	32,5	24	14,5	6"	92	847	6"
SMC10 200/2H	60177483	30	40		79,5	66	62	58,5	55	52	48,5	46	43	38	30	20,5	6"	92	847	6"
SMC10 200/2G	60177484	37	50		84	70,5	66,5	62,5	59	56	52,5	50	47	41,5	34	25	6"	92	867	6"
SMC10 200/2E	60177485	37	50		90	77	72	68	64	61	58	56	53	48	40,5	31	6"	92	867	6"
SMC10 200/2B	60177486	45	60		94,5	80	75,5	71,5	67,5	64,5	61	59	55,5	50,5	43	34,5	6"	92	867	8"
SMC10 200/3H	60177487	45	60		117	99	93,5	89	84	80	75,5	72	67,5	59,5	47,5	33	6"	118	1047	8"
SMC10 200/3G	60177488	55	75	H (mt)	130	110	104	98,5	93	88,5	84	80	75,5	67,5	56	42	6"	118	1047	8"
SMC10 200/3E	60177489	55	75		137	116,5	110	104,5	99	94,5	90	86,5	81,5	73,5	62,5	48,5	6"	118	1047	8"
SMC10 200/3B	60177490	63	85		143	122	115,5	109,5	104	99,5	94,5	91,5	86,5	78,5	67,5	54	6"	118	1047	8"
SMC10 200/4G	60177491	75	100		168,5	142,5	134,5	128	121	115	108,5	104	97,5	86,5	70,5	51	6"	162	1227	8"
SMC10 200/4D	60177492	75	100		183,5	156	148	141	133,5	128	121,5	117	110,5	100	84	65,5	6"	162	1227	8"
SMC10 200/5I	60177493	75	100		200	169	159,5	151,5	142,5	135,5	127,5	121,5	113,5	100,5	80	56,5	6"	187	1407	8"
SMC10 200/5F	60177494	92	125		224	192	180,5	171,5	163	157	150	144,5	137	124	104	80	6"	187	1583	8"
SMC10 200/6I	60177495	92	125		241	204,5	193,5	184,5	174,5	166,5	156,5	149,5	140	124	99	69	6"	213	1755	8"
SMC10 200/6F	60177496	110	150		269	230	216,5	205,5	195,5	188,5	180	173	164	149	124,5	96	6"	213	1671	8"
SMC10 200/7H	60177497	110	150		283	241,5	227,5	216,5	205,5	197	186,5	178,5	167	147,5	118	83	6"	239	1851	8"
SMC10 200/7E	60177498	132	180		319	271	256,5	244	231,5	222	211	203	192,5	174	148	116,5	6"	239	1851	10"
SMC10 200/8D	60177499	147	200		366,5	314	295,5	281	267	256,5	245	236,5	224,5	203,5	172,5	135,5	6"	264	2031	10"
SMC10 200/9D	60177500	170	230		412	353,5	332,5	316	300,5	288,5	275,5	266	252,5	229	194	152,5	6"	290	2211	10"
SMC10 200/10E	60177501	190	260		453	388	365	347	330	317	302	291,5	276,5	250	211	165	6"	316	2391	10"

SMC 10

10" SUBMERSIBLE PUMPS

SMC 10 320 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	120	150	180	210	240	270	300	330	360	390	420	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000				
SMC10 320/10	60177502	22	30		34	27,5	26,5	25,5	24,5	23,5	22	20	16,5	12,5			6"	64,5	703	6"
SMC10 320/1M	60177503	26	35		36	29,5	28,5	27,5	27	26	25	22,5	19,5	16	12,5		6"	64,5	703	6"
SMC10 320/1F	60177504	30	40		40	32,5	31	30	29,5	28,5	27,5	26	23	19,5	15,5	10,5	6"	64,5	703	6"
SMC10 320/1D	60177505	37	50		43,5	34,5	33	32	31,5	31	30,5	29	26	22,5	18,5	14	6"	64,5	703	6"
SMC10 320/1B	60177506	37	50		46	37	35	34,5	33,5	33	32,5	31	28,5	25	21	16,5	6"	65,5	703	6"
SMC10 320/2P	60177507	45	60		62	52	50,5	49	47	44	40,5	35,5	29	22			6"	91	898	8"
SMC10 320/2N	60177508	45	60		67,5	57,5	55,5	53,5	51,5	49	45,5	41,5	36	29,5	22,5	14	6"	91	898	8"
SMC10 320/2M	60177509	55	75		71	61	59	57,5	55,5	53,5	50,5	46,5	41	34	27	19,5	6"	91	898	8"
SMC10 320/2H	60177510	55	75	H (mt)	72	64	61,5	60	58,5	56,5	54	50,5	45,5	38,5	31	21	6"	91	898	8"
SMC10 320/2D	60177511	63	85		77	67	65	63,5	62	60,5	58	54,5	49,5	43	35,5	27	6"	91	898	8"
SMC10 320/3I	60177512	75	100		106	93,5	90,5	88	85,5	82	77,5	71,5	63	53,5	42,5	31,5	6"	116	1177	8"
SMC10 320/3C	60177513	92	125		117,5	104,5	102	99	96	94	91	86	79,5	70	57	41	6"	116	1177	8"
SMC10 320/4G	60177514	110	150		150	134,5	130	126,5	123	119	113,5	106,5	96,5	84,5	71	56	6"	160	1372	8"
SMC10 320/4B	60177515	132	180		162	147	142,5	138,5	135	130,5	125,5	118,5	108,5	96,5	84,5	69,5	6"	160	1372	10"
SMC10 320/5L	60177516	132	180		181	162	157	152,5	148	142,5	136	127	114,5	99	81,5	63	6"	185,5	1568	10"
SMC10 320/5E	60177517	150	200		196	177,5	172	167	162,5	157	150,5	141,5	129	114,5	98	79,5	6"	185,5	1568	10"
SMC10 320/6G	60177518	170	230		225	201,5	195,5	190	184,5	178	170	160	145	127	106	83,5	6"	211	1763	10"
SMC10 320/7L	60177519	190	260		253,5	227	219,5	213,5	207	199,5	190	178	160	138,5	114,5	88,5	6"	236,5	1959	10"

SMC 12

12" SUBMERSIBLE PUMPS

Multistage semiaxial submersible electric pumps for wells measuring 12" or above, able to generate a broad range of flow rates and heads. They are used extensively for the lifting, distribution and pressurisation of industrial water systems, the supply of booster pumps and tanks, fire fighting systems and irrigation systems. Application with clean, not aggressive water free from solids or abrasive substances.

Construction features of the pump

Cast iron pump body treated with cataphoresis paint coating and dynamically balanced impellers in microcast AISI 316 stainless steel coupled on the shaft with pull tab. Shaft guided with coaxial bush bearings and fully protected with bushes.
Pump with check valve of low pressure loss. Flanged delivery port and kit containing counter flange, bolts and gaskets.
Refer to the technical data sheets of the specific model for the electrical characteristics of the submersible motors and the specifications for operation with inverter.

Operating range
Up to 540 m³/h with head up to 320 m.

Pumped liquid clean, free of solids and abrasives, chemically neutral, with properties similar to water.

Start-ups/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand 40 g/m³.

Ambient temperature 30°C.

Minimum recommended level on suction line 2.5 m.

Installation horizontal or vertical.

Coupling with motors of 8", 10" or 12" depending on the required hydraulic power, and available in standard version or a version completely in stainless steel.
TR 8: rewindable 8" submersible motor.
TR 10: rewindable 10" submersible motor.
TR 12: rewindable 12" submersible motor.

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SMC 12 360 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	180	210	240	270	285	300	315	330	360	390	420	450	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500				
SMC12 360/1A	60177520	45	60	H (mt)	55,5	46	44,5	43	41,5	40,5	39,5	38	36,5	33,5	29,5	25	20	7"	136	899	8"
SMC12 360/1B	60177521	55	75		63	51	49,5	48	46,5	46	45	44	42,5	39	35,5	31	26	7"	136	899	8"
SMC12 360/1C	60177522	75	100		65,5	54,5	53,5	52	50,5	49,5	49	48	46,5	44	40,5	37	33	7"	136	899	8"
SMC12 360/2A	60177523	75	100		100,5	85	82,5	79	75	72,5	69,5	66,5	62,5	53,5	43,5	33		7"	174	1099	8"
SMC12 360/2B	60177524	92	125		117,5	97,5	95	92	88,5	86,5	84	81	77,5	68,5	58,5	47		7"	174	1099	8"
SMC12 360/2C	60177525	110	150		130,5	107,5	105	102,5	99,5	98	96,5	94,5	91,5	85,5	77,5	68,5	57,5	7"	178	1124	8"
SMC12 360/3A	60177526	132	180		168,5	139	134	129,5	125	122	119,5	116,5	112	101,5	86,5	65		7"	217	1324	10"
SMC12 360/3B	60177527	147	200		185	153,5	149	144	139,5	137	134	131	127	117,5	104,5	87	61,5	7"	217	1324	10"
SMC12 360/4A	60177528	190	260		224,5	193	188	182,5	176	171,5	167	162	155,5	140	122,5	102		7"	255	1524	10"
SMC12 360/5A	60177529	220	300		295,5	237,5	230	221,5	213,5	207,5	201,5	193	183,5	163,5	138	105		7"	294	1724	12"
SMC12 360/5B	60177530	250	340		319,5	259	252	244,5	236	231	224,5	217,5	208	187,5	166,5	137,5	100	7"	294	1724	12"

SMC 12 420 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	210	240	270	300	330	360	390	420	450	480	510	540	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000				
SMC12 420/1A	60177531	45	60	H (mt)	52	39,5	38	36,5	35	34	32,5	30,5	28,5	26	22,5	19	14	7"	134	899	8"
SMC12 420/1B	60177532	55	75		58,5	44,5	43	41,5	40	39	38	36,5	35	32,5	30	26,5	22	7"	134	899	8"
SMC12 420/2A	60177533	92	125		101,5	80,5	78	75,5	73	70,5	67,5	64,5	60,5	56	51,5	46	40,5	7"	170	1099	8"
SMC12 420/2B	60177534	110	150		114,5	90,5	88	85,5	83	80,5	77,5	74,5	71	66	61	54	46	7"	174	1124	8"
SMC12 420/3A	60177535	132	180		134	111	107,5	104	100,5	96,5	92,5	88	82	75,5	68	59,5	50,5	7"	211	1324	10"
SMC12 420/3B	60177536	147	200		156,5	124	120,5	117	114	110	106,5	102,5	97	90,5	83,5	75,5	66,5	7"	211	1324	10"
SMC12 420/4A	60177537	190	260		196	154	149,5	145	140,5	135,5	130	124	116,5	107,5	97	85,5	72	7"	247	1524	10"
SMC12 420/4B	60177538	220	300		221	173,5	169	165	161	156,5	152	147	139,5	131	121,5	110,5	96	7"	247	1524	12"
SMC12 420/5A	60177539	250	340		260,5	204	198	192,5	187	182	176,5	170,5	162	152	139	121,5	100	7"	284	1724	12"

SMN 8

8" SUBMERSIBLE PUMPS

8" semi axial multi-impeller submersible pump in AISI 316 stainless steel for clean water. Designed for pressurization activities, lifting water in commercial building service and use in irrigation systems even agriculture. The SMN 8 pump makes it possible to increase the pressure of water drawn from wells (at least 8" in diameter), from cisterns or tanks and to use it in irrigation systems in agriculture. Different types of impellers to guarantee the best efficiency at different flow rates and models up to 17 impellers to cover a wide range of heads are available. AISI 316 stainless steel impellers. Pump equipped with low pressure drop check valve. The pumps complies with DM174 for use with water intended for human consumption. The package contains the two cable covers to be used according to the type of starter (DOL or Star/Delta).

Operating range
Up to 192 m³/h with head up to 466m.

Pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral, also suitable for aggressive solutions and/or salt water.

Start-ups/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand
100 g/m³.

Ambient temperature 30°C.

Minimum recommended level on suction line
1,5 m.

Installation horizontal or vertical.

Coupling with motors from 6" to 8" depending on the power required by the hydraulic system:
6GF: 6" submersible encapsulated motor
TR 6: 6" submersible rewindable motor
TR 8: 8" submersible rewindable motor

For operation with the variable frequency drive, refer to the specifications of the coupled motor.

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SMN 8 60 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	24	30	42	48	54	60	66	72	78	84	90	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	400	500	700	800	900	1000	1100	1200	1300	1400	1500				
SMN8 60/1E	60177674	4	5,5		25	21	20,5	19	18	17,5	16,5	15,5	14	13	11	9,5	5"	23	551	6"
SMN8 60/2E	60177675	7,5	10		49,5	42,5	41	38	36,5	35	33	31	28,5	25,5	22,5	19	5"	30	687	6"
SMN8 60/3E	60177676	11	15		75	64	62	57	55	52	49,5	46	42,5	38,5	33,5	28,5	5"	38	823	6"
SMN8 60/4E	60177677	15	20		99	85	82	76	73	70	66	62	57	51	45	38	5"	46	959	6"
SMN8 60/5E	60177678	18,5	25		124	106	103	95	91	87	82	77	71	64	56	48	5"	53	1095	6"
SMN8 60/6E	60177679	22	30		149	127	123	114	110	105	99	93	85	77	68	57	5"	61	1231	6"
SMN8 60/7E	60177680	26	35		174	149	144	133	128	122	115	108	99	90	79	67	5"	69	1367	6"
SMN8 60/8E	60177681	30	40		199	170	164	152	146	139	132	123	113	102	90	76	5"	76	1503	6"
SMN8 60/9E	60177682	37	50	H (mt)	221	189	183	170	163	155	147	137	126	113	98	76	5"	84	1639	6"
SMN8 60/10E	60177683	37	50		246	210	203	188	181	172	163	152	139	125	109	91	5"	92	1775	6"
SMN8 60/11L	60177684	45	60		267	228	221	205	197	187	177	166	151	135	116	96	5"	101	1911	8"
SMN8 60/12L	60177685	45	60		292	248	241	224	214	204	193	180	164	147	127	104	5"	109	2047	8"
SMN8 60/13E	60177686	55	75		328	282	273	255	245	234	221	207	190	171	150	125	5"	116	2183	8"
SMN8 60/14E	60177687	55	75		354	304	294	274	263	251	238	223	205	184	161	135	5"	124	2319	8"
SMN8 60/15E	60177688	63	85		379	325	315	294	282	269	255	239	219	197	173	145	5"	132	2455	8"
SMN8 60/15B	60177689	75	100		410	355	343	318	306	294	278	262	245	225	200	174	5"	132	2455	8"
SMN8 60/17B	60177690	75	100		465	404	389	362	348	332	315	298	276	254	227	197	5"	147	2727	8"

SMN 8

8" SUBMERSIBLE PUMPS

SMN 8 85 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h / Q=l/min	HYDRAULIC DATA 0	36	60	66	72	78	84	90	96	102	108	114	DNM	WEIGHT KG	H mm	MOTOR COUPLING
					0	600	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900				
SMN8 85/1A	60177691	5,5	7,5		28,5	20,5	19,5	19	18	17	16	15	14	12,5	11		5"	32	551	6"
SMN8 85/2D	60177692	9,3	12,5		54	37,5	36	34,5	33	31,5	29,5	27,5	25	22,5	20	17	5"	30	687	6"
SMN8 85/3A	60177693	15	20		85	61	59	57	54	52	49	45	42	37	32,5	27,5	5"	38	823	6"
SMN8 85/4D	60177694	18,5	25		108	75	73	70	66	63	59	55	50	45	40	34	5"	45	959	6"
SMN8 85/4A	60177695	22	30		114	83	80	77	74	70	66	62	56	51	44	38	5"	45	959	6"
SMN8 85/5D	60177696	22	30		134	94	91	87	83	79	74	69	63	57	50	43	5"	53	1095	6"
SMN8 85/5A	60177697	26	35		142	104	100	96	92	88	83	77	70	63	55	47	5"	53	1095	6"
SMN8 85/6A	60177698	30	40		170	124	120	116	111	105	99	92	84	76	67	56	5"	60	1231	6"
SMN8 85/7C	60177699	37	50		191	151	130	125	119	113	107	99	91	82	72	62	5"	68	1367	6"
SMN8 85/8D	60177700	45	60	H (mt)	234	168	162	156	150	143	135	126	117	106	95	83	5"	77	1503	8"
SMN8 85/8G	60177701	37	50		217	171	148	142	135	128	121	112	103	93	81	69	5"	77	1503	6"
SMN8 85/9E	60177702	45	60		256	183	177	170	162	155	146	136	125	113	101	87	5"	85	1639	8"
SMN8 85/10D	60177703	55	75		292	210	203	195	187	178	169	158	146	133	119	103	5"	92	1775	8"
SMN8 85/11D	60177704	55	75		321	231	223	215	206	196	186	173	160	146	130	114	5"	100	1911	8"
SMN8 85/12D	60177705	63	85		350	252	243	234	224	213,5	202	189	175	159	142	124	5"	107	2047	8"
SMN8 85/13D	60177706	75	100		379	273	264	254	243	232	219	205	189	172	154	134	5"	115	2183	8"
SMN8 85/14A	60177707	75	100		407	305	295	284	272	259	245	228	210	191	169	146	5"	123	2319	8"
SMN8 85/15A	60177708	92	125		436	327	316	304	291	277	262	245	225	204	181	156	5"	131	2455	8"
SMN8 85/16A	60177709	92	125		466	349	337	324	311	296	280	261	240	218	193	167	5"	139	2591	8"

SMN 8

8" SUBMERSIBLE PUMPS

SMN 8 110 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h	0	36	66	84	96	102	108	114	120	126	138	156	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600				
SMN8 110/2H	60177710	13	17,5	H (mt)	47,5	42,5	39,5	37	35,5	34,5	33,5	32	30,5	28,5	24,5	17	5"	36	729	6"
SMN8 110/3G	60177711	18,5	25		69,5	63	57,5	53	50,5	49	47	45	42	39,5	33	22	5"	46	886	6"
SMN8 110/3B	60177712	22	30		76	69	64	60,5	57,5	56	54	51,5	49	46	39	27,5	5"	46	886	6"
SMN8 110/4F	60177713	26	35		95	87,5	80,5	75,5	72	69,5	67	63,5	60	56	47,5	32,5	5"	56	1043	6"
SMN8 110/5I	60177714	30	40		112,5	103,5	95	89	84	81,5	78	74	69,5	64,5	53,5	35,5	5"	66	1200	6"
SMN8 110/5F	60177715	37	50		118	109,5	101,5	95,5	91	88	85	80,5	76	71	60,5	41,5	5"	66	1200	6"
SMN8 110/6H	60177716	37	50		137,5	126	117	109,5	103,5	100	96	90,5	85	79	66	45	5"	76	1357	6"
SMN8 110/6F	60177717	45	60		144,5	134	124,5	117,5	112	109	105,5	100,5	95	89	76	53,5	5"	76	1357	8"
SMN8 110/6B	60177718	45	60		155,5	144	134,5	127	121	117,5	113,5	108,5	102,5	96,5	83	59,5	5"	76	1357	8"
SMN8 110/7C	60177719	55	75		178,5	165,5	154	146	139	135	130,5	124,5	117,5	110	92,5	63,5	5"	86	1514	8"
SMN8 110/9L	60177720	55	75		200,5	186	171,5	161,5	154	149	143	136	127,5	118,5	98,5	66	5"	106	1828	8"
SMN8 110/9G	60177721	63	85		209	194,5	180	170	162	157	152	146	137,5	128,5	108,5	74,5	5"	106	1828	8"
SMN8 110/9B	60177722	75	100		225,5	212	196,5	185,5	176,5	171,5	165,5	159	150,5	141	121	88	5"	106	1828	8"
SMN8 110/10B	60177723	75	100		251	235,5	218	206	196	190,5	184	177	167,5	157	134,5	97,5	5"	116	1985	8"
SMN8 110/11B	60177724	92	125		276	259	240	226,5	215,5	209,5	202,5	194,5	184	172,5	147,5	107,5	5"	126	2142	8"
SMN8 110/13E	60177725	92	125		313	294	272	257	244,5	238	230	221	209	196,5	167,5	117,5	5"	146	2456	8"
SMN8 110/14C	60177726	110	150		351	329,5	305,5	288,5	274,5	266,5	257,5	247,5	234	219,5	188	137	5"	156	2613	8"
SMN8 110/15C	60177727	110	150		376	353	327,5	309	294	285,5	276	265,5	251	235,5	201,5	146,5	5"	166	2770	8"

SMN 8

8" SUBMERSIBLE PUMPS

SMN 8 135 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	Q=m³h	0	36	72	96	108	120	132	144	156	168	180	192	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200				
SMN8 135/2M	60177728	13	17,5	H (mt)	47,5	42	37,5	34,5	33	30,5	28	24,5	20,5	16	12	8,5	5"	36	729	6"
SMN8 135/2F	60177729	15	20		52	46	41	38,5	36,5	34,5	32	29	25	21	16,5	12	5"	36	729	6"
SMN8 135/2C	60177730	18,5	25		55	48,5	43,5	41	39	37	34,5	31	27	23	19	15,5	5"	36	729	6"
SMN8 135/3N	60177731	18,5	25		63,5	58,5	53,5	49	45,5	42	37	32	26	20	14		5"	46	886	6"
SMN8 135/3L	60177732	22	30		70	64	57,5	53	50,5	47	42,5	37,5	31,5	25	19	13,5	5"	46	886	6"
SMN8 135/3B	60177733	26	35		82,5	75	68,5	64	61	58	54,5	49,5	43	36	29,5	22	5"	46	886	6"
SMN8 135/4E	60177734	30	40		101	90	82	76,5	72,5	68,5	63	56,5	49,5	41,5	33	24	5"	56	1043	6"
SMN8 135/4C	60177735	37	50		106	95	88	82	78	73,5	68	61,5	54	45,5	36,5	26,5	5"	56	1043	6"
SMN8 135/5F	60177736	37	50		121,5	111	101,5	94	89	84	77,5	69	60	50	39,5	28	5"	66	1200	6"
SMN8 135/5E	60177737	45	60		128,5	118	108	100	95,5	90,5	84,5	77	68	58,5	47,5	35,5	5"	66	1200	8"
SMN8 135/6F	60177738	45	60		151	135,5	125	116	110,5	104	96,5	86,5	76	64	51,5	38	5"	76	1357	8"
SMN8 135/7G	60177739	55	75		176	159,5	147	137	130,5	123	114	102	89	75	60	44,5	5"	86	1514	8"
SMN8 135/7E	60177740	55	75		181	164	151,5	141,5	135,5	128	119	107	94	80	65	49,5	5"	86	1514	8"
SMN8 135/8G	60177741	63	85		201,5	182	168	156,5	149,5	140,5	130	117	102	85,5	68,5	51	5"	96	1671	8"
SMN8 135/9G	60177742	75	100		220	200,5	185	171,5	163	153,5	141,5	127	110,5	93	74	54	5"	106	1828	8"
SMN8 135/9C	60177743	75	100		238	219,5	201,5	187	178,5	169	158	143,5	128	110,5	91	69,5	5"	106	1828	8"
SMN8 135/11C	60177744	92	125		291	268,5	246,5	228,5	218	206,5	193	175,5	156,5	135	111	85	5"	126	2142	8"
SMN8 135/13C	60177745	110	150		343,5	317	291	270	258	244	228	207,5	185	159,5	131,5	100,5	5"	126	2456	8"

SMN 10

10" SUBMERSIBLE PUMPS

10" semi axial multi-impeller submersible pump in AISI 316 stainless steel for clean water. Designed for pressurization activities, lifting water in commercial building service and use in irrigation systems even agriculture. The SMN 10 pump makes it possible to increase the pressure of water drawn from wells (at least 10" in diameter), from cisterns or tanks and to use it in irrigation systems in agriculture. Different types of impellers to guarantee the best efficiency at different flow rates and models up to 7 impellers to cover a wide range of heads. AISI 316 stainless steel impellers. Pump equipped with low pressure drop check valve. The pumps complies with DM174 for use with water intended for human consumption. The package contains the two cable covers to be used according to the type of starter (DOL or Star/Delta).

Operating range
Up to 420 m³/h with head up to 253 m.

Pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral, also suitable for aggressive solutions and/or salt water.

Start-ups/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand
100 g/m³.

Ambient temperature 30°C.

Minimum recommended level on suction line 1,5 m.

Installation horizontal or vertical.

Coupling with motors from 6" to 10" depending on the power required by the hydraulic system:
6GX: 6" submersible encapsulated motor
TR 6: 6" submersible rewindable motor in AISI 316 or DUPLEX
TR 8: 8" submersible rewindable motor in AISI 316 or DUPLEX
TR 10: 10" submersible rewindable motor in AISI 316 or DUPLEX

For operation with the variable frequency drive, refer to the specifications of the coupled motor.

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SMN 10 320 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE	ELECTRICAL DATA P2 NOMINAL REQUESTED kW	HP	HYDRAULIC DATA Q=m³h	0	120	150	180	210	240	270	300	330	360	390	420	DNM	WEIGHT KG	H mm	MOTOR COUPLING
				Q=l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000				
SMN10 320/10	60177746	22	30		34	27,5	26,5	25,5	24,5	23,5	22	20	16,5	12,5			6"	64,5	703	6"
SMN10 320/1M	60177747	26	35		36	29,5	28,5	27,5	27	26	25	22,5	19,5	16	12,5		6"	64,5	703	6"
SMN10 320/1F	60177748	30	40		40	32,5	31	30	29,5	28,5	27,5	26	23	19,5	15,5	10,5	6"	64,5	703	6"
SMN10 320/1D	60177749	37	50		43,5	34,5	33	32	31,5	31	30,5	29	26	22,5	18,5	14	6"	64,5	703	6"
SMN10 320/1B	60177750	37	50		46	37	35	34,5	33,5	33	32,5	31	28,5	25	21	16,5	6"	65,5	703	6"
SMN10 320/2P	60177751	45	60		62	52	50,5	49	47	44	40,5	35,5	29	22			6"	91	898	8"
SMN10 320/2N	60177752	45	60		67,5	57,5	55,5	53,5	51,5	49	45,5	41,5	36	29,5	22,5	14	6"	91	898	8"
SMN10 320/2M	60177753	55	75		71	61	59	57,5	55,5	53,5	50,5	46,5	41	34	27	19,5	6"	91	898	8"
SMN10 320/2H	60177754	55	75		72	64	61,5	60	58,5	56,5	54	50,5	45,5	38,5	31	21	6"	91	898	8"
SMN10 320/2D	60177755	63	85	H (mt)	77	67	65	63,5	62	60,5	58	54,5	49,5	43	35,5	27	6"	91	898	8"
SMN10 320/3I	60177756	75	100		106	93,5	90,5	88	85,5	82	77,5	71,5	63	53,5	42,5	31,5	6"	116	1177	8"
SMN10 320/3C	60177757	92	125		117,5	104,5	102	99	96	94	91	86	79,5	70	57	41	6"	116	1177	8"
SMN10 320/4G	60177758	110	150		150	134,5	130	126,5	123	119	113,5	106,5	96,5	84,5	71	56	6"	160	1372	8"
SMN10 320/4B	60177759	132	180		162	147	142,5	138,5	135	130,5	125,5	118,5	108,5	96,5	84,5	69,5	6"	160	1372	10"
SMN10 320/5L	60177760	132	180		181	162	157	152,5	148	142,5	136	127	114,5	99	81,5	63	6"	185,5	1568	10"
SMN10 320/5E	60177761	150	200		196	177,5	172	167	162,5	157	150,5	141,5	129	114,5	98	79,5	6"	185,5	1568	10"
SMN10 320/6G	60177762	170	230		225	201,5	195,5	190	184,5	178	170	160	145	127	106	83,5	6"	211	1763	10"
SMN10 320/7L	60177763	190	260		253,5	227	219,5	213,5	207	199,5	190	178	160	138,5	114,5	88,5	6"	236,5	1959	10"

SMN 12

12” SUBMERSIBLE PUMPS

12” semi axial multi-impeller submersible pump in AISI 316 stainless steel for clean water. Designed for pressurization activities, lifting water in commercial building service and use in irrigation systems even agriculture. The SMN 12 pump makes it possible to increase the pressure of water drawn from wells (at least 12” in diameter), from cisterns or tanks and to use it in irrigation systems in agriculture. Different types of impellers to guarantee the best efficiency at different flow rates and models up to 5 impellers to cover a wide range of heads. AISI 316 stainless steel impellers. Pump equipped with low pressure drop check valve. The pumps complies with DM174 for use with water intended for human consumption. The package contains the two cable covers to be used according to the type of starter (DOL or Star/Delta).

Operating range
Up to 540 m³/h with head up to 315 m.

Pumped liquid Clean, free from solid or abrasive substances, not viscous, not aggressive, not crystallized and chemically neutral, also suitable for aggressive solutions and/or salt water.

Start-ups/hour see the coupled motor.

Cooling flow see the coupled motor.

Maximum permitted amount of sand
100 g/m³.

Ambient temperature 30°C.

Minimum recommended level on suction line 2.5 m.

Installation horizontal or vertical.

Coupling with motors from 8” to 12” depending on the power required by the hydraulic system:
TR 8: 8” submersible rewindable motor with AISI 316 stainless steel version or DUPLEX version
TR 10: 10” submersible rewindable motor with AISI 316 stainless steel version or DUPLEX version
TR 12: 12” submersible rewindable motor with AISI 316 stainless steel version or DUPLEX version

For operation with the variable frequency drive, refer to the specifications of the coupled motor.

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SMN 12 360 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE
SMN12 360/1A	60177764
SMN12 360/1B	60177765
SMN12 360/1C	60177766
SMN12 360/2A	60177767
SMN12 360/2B	60177768
SMN12 360/2C	60177769
SMN12 360/3A	60177770
SMN12 360/3B	60177771
SMN12 360/4A	60177772
SMN12 360/5A	60177773
SMN12 360/5B	60177774

ELECTRICAL DATA		HYDRAULIC DATA																		
P2 NOMINAL REQUESTED		Q=m³h	0	180	210	240	270	285	300	315	330	360	390	420	450	DNM	WEIGHT KG	H mm	MOTOR COUPLING
kW	HP	Q=l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500				
45	60		56,5	46	45	43,5	41,5	40,5	39,5	38,5	37	33,5	29,5	25,5	20,5	7”	136	899	8”
55	75		63	51	49,5	48	46,5	46	45	44	42,5	39	35,5	31	26	7”	136	899	8”
75	100		67	52,5	53,5	52	50,5	49,5	49	48	46,5	44	40,5	37	33	7”	136	899	8”
75	100		102	88	85,5	82	78,5	76	73,5	71	67	59	49,5	39	-	7”	174	1099	8”
92	125		116,5	99,5	97	94	91	89	86,5	84	81	73,5	65	55,5	44	7”	174	1099	8”
110	150	H (m)	130,5	111	109	106,5	103,5	102	100	98	95	88,5	80,5	71,5	61	7”	178	1124	8”
132	180		171,5	147	143	138	132	128,5	125	120,5	116	105,5	93	78,5	61	7”	217	1324	10”
147	200		182	158	155	151	147	144	141	137,5	133	122	109,5	95	78,5	7”	217	1324	10”
190	260		230	202,5	196,5	189,5	181	176	170,5	164,5	158,5	143,5	126,5	106,5	83	7”	255	1524	10”
220	300		279,5	246	238,5	229,5	218,5	212	205,5	198	189,5	171	148,5	123	93	7”	294	1724	12”
250	340		315,5	267	259	251,5	242,5	237	231	224,5	217,5	200,5	180,5	156	127,5	7”	294	1724	12”

SMN 12 420 HYDRAULIC PART

MODEL	HYDRAULIC PART CODE
SMN12 420/1A	60177775
SMN12 420/1B	60177776
SMN12 420/2A	60177777
SMN12 420/2B	60177778
SMN12 420/3A	60177779
SMN12 420/3B	60177780
SMN12 420/4A	60177781
SMN12 420/4B	60177782
SMN12 420/5A	60177783

ELECTRICAL DATA		HYDRAULIC DATA																		
P2 NOMINAL REQUESTED		Q=m³h	0	210	240	270	300	330	360	390	420	450	480	510	540	DNM	WEIGHT KG	H mm	MOTOR COUPLING
kW	HP	Q=l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000				
45	60		53,5	40,5	39	37,5	36	34	32	30	27,5	25	21,5	18,5	14,5	7”	134	899	8”
55	75		60	45	44	42,5	41	39,5	38	36	33,5	31	28	24,5	21	7”	134	899	8”
92	125		104	82	79	76,5	74	70,5	68	64,5	60	55,5	50,5	45	39,5	7”	170	1099	8”
110	150		118	92,5	90	87,5	85,5	83	80	77	73	69	64	59	53	7”	174	1124	8”
132	180	H (m)	145,5	118	114,5	111	107,5	103,5	99	94	87,5	80,5	73	65	55,5	7”	211	1324	10”
147	200		160	129,5	126	122	118,5	114,5	110	105,5	99,5	93	86	78,5	70,5	7”	211	1324	10”
190	260		199	163	158,5	153,5	149	143,5	137,5	131	123	114,5	105	95	83,5	7”	247	1524	10”
220	300		222	182	177	172	167,5	162	156,5	151	144	136,5	128	118,5	106	7”	247	1524	12”
250	340		258	213	207,5	201,5	195	188,5	181,5	174	165,5	156	145,5	133	117	7”	284	1724	12”

6GF, 6GX

6" SUBMERSIBLE MOTORS

6-inch submersible motors designed for pressure boosting, gardening and irrigation, drawing water from subsoil in civil and commercial applications and for using water in irrigation systems also in agriculture.

6GX model:
- made of AISI 316 stainless steel.
- with SiC/SiC mechanical seal.

6GF model:
- made of AISI 304 and cast iron protected with an electrophoresic paint coating for the part submerged in water.

Encapsulated and resin-filled stator. Cooled and lubricated with a mixture of water and glycol. Combined with the pump body, it is able to draw water from wells of at least 6" (or tanks and cisterns). Single-phase versions to be combined with an external panel that integrates the capacitor and the manually resettable overload protection. Different versions are available with the addition, during installation, of the PT100 or PTC temperature sensor which can also come with star-delta start-up.

Flanging NEMA 6".
Insulation class F.
Protection class IP68.
Cooling flow speed min. 0,3 m/s 35°C.
Power supply tolerance +6% / -10%.
Max. starts 25/h.
Max operating depth 300 m.
Horizontal operation 5,5 HP - 50 HP.
On request cables of a different length, different power input voltages, single-phase version (up to 15 HP).

tesla

6GF SINGLE PHASE PSC

MODEL	STANDARD
	CODE
6GF - 3,7 KW	60169086
6GF - 5,5 KW	60169088
6GF - 7,5 KW	60169089
6GF - 11 KW	60169090

P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
3,7	5	1 x 230 V ~	25	4,4	5100	2830	0,98	73	4X6	4
5,5	7,5	1 x 230 V ~	33,5	4	7450	2830	0,98	74	4X6	4
7,5	10	1 x 230 V ~	44	3,8	9900	2820	0,99	76	4X8	4
11	15	1 x 230 V ~	65	3,9	14200	2820	0,99	77	4X8	4

6GF, 6GX DIRECT STARTING

MODEL	STANDARD	MODEL	AISI 316
	CODE		CODE
6GF - 4 KW	0605500	6GX - 4 KW	60141626
6GF - 5,5 KW	0607500	6GX - 5,5 KW	60141627
6GF - 7,5 KW	0610000	6GX - 7,5 KW	60121376
6GF - 9,2 KW	0612500	6GX - 9,2 KW	60141628
6GF - 11 KW	0615000	6GX - 11 KW	60131136
6GF - 13 KW	60179200	6GX - 13 KW	60180702
6GF - 15 KW	0620000	6GX - 15 KW	60141629
6GF - 18,5 KW	0625000	6GX - 18,5 KW	60141630
6GF - 22 KW	0630000	6GX - 22 KW	60141631
6GF - 26 KW	0635000	6GX - 26 KW	60206801
6GF - 30 KW	0640000	6GX - 30 KW	60141632
6GF - 37 KW	0650000	6GX - 37 KW	60141633
6GF - 45 KW	0660000	6GX - 45 KW	60174647

P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
5,5	4	3 x 400 V~	10,6	4,1	5290	2845	0,75	76	4x4	4
7,5	5,5	3 x 400 V~	14	4,6	7270	2845	0,75	76	4x4	4
10	7,5	3 x 400 V~	18	4,1	9550	2840	0,78	78	4x4	4
12,5	9,2	3 x 400 V~	22	3,9	11460	2840	0,8	80	4x4	4
15	11	3 x 400 V~	25,5	4,4	13860	2840	0,82	79	4x4	4
17,5	13	3 x 400 V~	29	4,6	16100	2840	0,8	81	4x4	4
20	15	3 x 400 V~	33,4	4,8	17960	2840	0,8	83	4x4	4
25	18,5	3 x 400 V~	41	5,2	22300	2845	0,8	83	4x4	4
30	22	3 x 400 V~	47	5,1	26500	2825	0,84	83	4x4	4
35	26	3 x 400 V ~	57	4,9	31100	2830	0,83	84	4X8	4
40	30	3 x 400 V~	61,5	4,6	35130	2830	0,85	85	4x8	4
50	37	3 x 400 V~	79,3	3,7	44200	2830	0,84	82	4x8	4
60	45	3 x 400 V~	95	5,5	55000	2840	0,83	82	4x8	4

Cable included

Available on request Voltage 3 x 230 V version up to 22 kW.

6GF, 6GX

6" SUBMERSIBLE MOTORS

6GF, 6GX DIRECT STARTING WITH PT100

MODEL	STANDARD	MODEL	AISI 316
	CODE		CODE
6GF - 4 KW	60161726	6GX - 4 KW	60199842
6GF - 5,5 KW	60161727	6GX - 5,5 KW	60199843
6GF - 7,5 KW	60161728	6GX - 7,5 KW	60199844
6GF - 9,2 KW	60161729	6GX - 9,2 KW	60199845
6GF - 11 KW	60161730	6GX - 11 KW	60199846
6GF - 13 KW	60202137	6GX - 13 KW	60199847
6GF - 15 KW	60161731	6GX - 15 KW	60199848
6GF - 18,5 KW	60121906	6GX - 18,5 KW	60199849
6GF - 22 KW	60161733	6GX - 22 KW	60199850
6GF - 26 KW	60202138	6GX - 26 KW	-
6GF - 30 KW	60121907	6GX - 30 KW	60199851
6GF - 37 KW	60121908	6GX - 37 KW	60199852
6GF - 45 KW	60202139	6GX - 45 KW	60199853

P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
5,5	4	3 x 400 V~	10,6	4,1	5290	2845	0,75	76	4x4	4
7,5	5,5	3 x 400 V~	14	4,6	7270	2845	0,75	76	4x4	4
10	7,5	3 x 400 V~	18	4,1	9550	2840	0,78	78	4x4	4
12,5	9,2	3 x 400 V~	22	3,9	11460	2840	0,8	80	4x4	4
15	11	3 x 400 V~	25,5	4,4	13860	2840	0,82	79	4x4	4
17,5	13	3 x 400 V~	29	4,6	16100	2840	0,8	81	4x4	4
20	15	3 x 400 V~	33,4	4,8	17960	2840	0,8	83	4x4	4
25	18,5	3 x 400 V~	41	5,2	22300	2845	0,8	83	4x4	4
30	22	3 x 400 V~	47	5,1	26500	2825	0,84	83	4x4	4
26	35	3 x 400 V ~	57	4,9	31100	2830	0,83	84	4X8	4
40	30	3 x 400 V~	61,5	4,6	35130	2830	0,85	85	4x8	4
50	37	3 x 400 V~	79,3	3,7	44200	2830	0,84	82	4x8	4
60	45	3 x 400 V~	95	5,5	55000	2840	0,83	82	4x8	4

Cable included

Available on request Voltage 3 x 230 V version up to 22 kW.

6GF, 6GX STAR/DELTA STARTING

MODEL	STANDARD	MODEL	AISI 316
	CODE		CODE
6GF - 4 KW	0605620	6GX - 4 KW	60141634
6GF - 5,5 KW	0607510	6GX - 5,5 KW	60141635
6GF - 7,5 KW	0611750	6GX - 7,5 KW	60141636
6GF - 9,2 KW	0614000	6GX - 9,2 KW	60141637
6GF - 11 KW	0617500	6GX - 11 KW	60141638
6GF - 13 KW	60180703	6GX - 13 KW	60180704
6GF - 15 KW	0622500	6GX - 15 KW	60141639
6GF - 18,5 KW	0627500	6GX - 18,5 KW	60141640
6GF - 22 KW	0632400	6GX - 22 KW	60133153
6GF - 26 KW	60192267	6GX - 26 KW	60206804
6GF - 30 KW	0642500	6GX - 30 KW	60141641
6GF - 37 KW	0650005	6GX - 37 KW	60141642
6GF - 45 KW	60174646	6GX - 45 KW	60174648

P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
5,5	4	3 x 400 V~	10,6	4,1	5290	2845	0,75	76	4x4	4
7,5	5,5	3 x 400 V~	14	4,6	7270	2845	0,75	76	4x4	4
10	7,5	3 x 400 V~	18	4,1	9550	2840	0,78	78	4x4	4
12,5	9,2	3 x 400 V~	22	3,9	11460	2840	0,8	80	4x4	4
15	11	3 x 400 V~	25,5	4,4	13860	2840	0,82	79	4x4	4
17,5	13	3 x 400 V~	29	4,6	16100	2840	0,8	81	4x4	4
20	15	3 x 400 V~	33,4	4,8	17960	2840	0,8	83	4x4	4
25	18,5	3 x 400 V~	41	5,2	22300	2845	0,8	83	4x4	4
30	22	3 x 400 V~	47	5,1	26500	2825	0,84	83	4x4	4
35	26	3 x 400 V~	57	4,9	31100	2830	0,83	84	4x8	4
40	30	3 x 400 V~	61,5	4,6	35130	2830	0,85	85	4x8	4
50	37	3 x 400 V~	79,3	3,7	44200	2830	0,84	82	4x8	4
60	45	3 x 400 V~	95	5,5	55000	2840	0,83	82	4x8	4

2 cables included

Available on request Voltage 3 x 230 V version up to 22 kW.

6GF HEAVY DUTY

6" SUBMERSIBLE MOTORS

6" canned submersible motor made in AISI 304 and cataphoresis treated cast iron. Resin filled stator. Cooling and lubrication are guaranteed by a mixture of water and glycol. 6GF heavy duty motors are design very deep borehole installation. Motor suitable for use with variable frequency drive (30 Hz - 50 Hz). Available with direct or star-delta start, protection must be guaranteed by the user. It is available with additional PT100 or PTC temperature sensor.

Maximum operating depth 300 m.
Standard flanges NEMA 6".
Maximum number of starts per hour 25/h.
Motor protection class IP 68.
Motor insulation class F.
Cooling flow speed min. 0,3 m/s a 35°C.
Max Thrust load 50 kN.
Three phase power input
3x400V 50 Hz / 3x460V 60 Hz.
Power input tolerance +6% / -10%.
Power cable 4 m.
Possible type of installation Vertical.
Special versions on request It is available with additional PT100 or PTC temperature sensor. Voltage and power cables of different length.
Cable certifications ACS, WRAS and KTW certified cable.

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6GF, 6GX DIRECT STARTING

MODEL	STANDARD CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	P1 (W)	N (min^{-1})	Cos φ	η %	CABLE Ø mm^2	CABLE LC (m)
6GF - 22 KW HEAVY DUTY	60202069	30	22	3 x 400 V ~	47	5,1	26500	2825	0,84	83	4X6	4
6GF - 30 KW HEAVY DUTY	60202070	40	30	3 x 400 V ~	61,5	4,6	35500	2830	0,85	85	4X8	4
6GF - 37 KW HEAVY DUTY	60202071	50	37	3 x 400 V ~	79,3	3,7	45000	2830	0,84	82	4X8	4
6GF - 45 KW HEAVY DUTY	60202072	60	45	3 x 400 V ~	95	5,5	55000	2840	0,83	82	4X8	4

MECHANICAL SEAL
Sic Sic as STD,
reinforced top support

IMPROVED DIAPHRAGM
stronger material and design
for an higher reliability

HEAVY DUTY THRUST BEARING,
max axial load 50 kN

TR 6

6" SUBMERSIBLE MOTORS

6" rewindable asynchronous submersible motor.
Designed for pressurization, lifting water from wells and water use in agricultural irrigation systems.
AISI 316 stainless steel jacket.
Rewindable stator available with PE2+PA windings which allows the use of the motor in special applications and/or with variable frequency drive.
The rotor is mounted on self-centering thrust bearing unit of the Mitchell type capable of withstanding high axial loads.
Cooling and lubrication by means of a mixture of water and glycol.
Two or four pole versions, versions with direct or star-delta starting, supplied with 5-metre single-core cables directly connected to the winding and earthing cable.
The cable is certified ACS and WRAS.
Available only in three-phase version predisposed for installation of PT100 or PTC temperature sensor.
The motor is also available in AISI 316 stainless steel, TR 6 N model, or AISI 904 stainless steel, model TR 6 R.
Motors must be combined with an hydraulic part.

Flanging NEMA 6".
Protection class IP68.
Cooling flow speed 0,5 m/s.
Power supply tolerance +6% / -10%.
Max. starts 15/h.
Max operating depth 300 m.
Maximum operating pressure 60 bar.
Horizontal operation 7,5 HP - 50 HP.

DIRECT STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR607 - 5,5 KW	60146662	60146684	7,5	5,5	3x400 V~	13,7	3,5	2870	4x6	5
TR610 - 7,5 KW	60146663	60146685	10	7,5	3x400 V~	18,2	3,6	2860	4x6	5
TR612 - 9,2 KW	60146664	60146686	12,5	9,2	3x400 V~	21,7	3,5	2850	4x6	5
TR615 - 11 KW	60146665	60146687	15	11	3x400 V~	26,2	3,7	2860	4x6	5
TR617 - 13KW	60146667	60146688	17,5	13	3x400 V~	30,5	3,8	2850	4x6	5
TR620 - 15 KW	60146668	60146689	20	15	3x400 V~	34,8	4,2	2860	4x6	5
TR625 - 18,5 KW	60146669	60146690	25	18,5	3x400 V~	41,4	4,5	2860	4x6	5
TR630 - 22 KW	60146670	60146691	30	22	3x400 V~	49,0	5,5	2880	4x6	5
TR635 - 26 KW	60146671	60146692	35	26	3x400 V~	58,1	5,7	2880	4x6	5
TR640 - 30 KW	60146672	60146693	40	30	3x400 V~	64,9	5,0	2870	4x10	5
TR650 - 37 KW	60146673	60146694	50	37	3x400 V~	80,5	5,1	2860	4x10	5
TR660 - 45 KW	60161601	60164305	60	45	3x400 V~	93,1	5,1	2825	4x10	5

Cable included

STAR/DELTA STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR615 - 11 KW	-	-	15	11	3x400 V~	26,2	3,7	2860	4x6	5
TR617 - 13 KW	60146676	60146696	17,5	13	3x400 V~	30,5	3,8	2850	4x6	5
TR620 - 15 KW	60146677	60146697	20	15	3x400 V~	34,8	4,2	2860	4x6	5
TR625 - 18,5 KW	60146678	60146698	25	18,5	3x400 V~	41,4	4,5	2860	4x6	5
TR630 - 22 KW	60146679	60146699	30	22	3x400 V~	49,0	5,5	2880	4x6	5
TR635 - 26 KW	60146681	60146700	35	26	3x400 V~	58,1	5,7	2880	4x6	5
TR640 - 30 KW	60146682	60146701	40	30	3x400 V~	64,9	5,0	2870	4x6	5
TR650 - 37 KW	60146683	60146702	50	37	3x400 V~	80,5	5,1	2860	4x6	5
TR660 - 45 KW	60164307	60164306	60	45	3x400 V~	93,1	5,1	2825	4x6	5

2 cables included

TR 8

8" SUBMERSIBLE MOTORS

8" rewindable asynchronous submersible motor.
Designed for pressurization, lifting water from wells and water use in agricultural irrigation systems.
AISI 316 stainless steel jacket.
Rewindable stator available with PE2+PA windings which allows the use of the motor in special applications and/or with variable frequency drive.
The rotor is mounted on self-centering thrust bearing unit of the Mitchell type capable of withstanding high axial loads.
Cooling and lubrication by means of a mixture of water and glycol.
Two or four pole versions, versions with direct or star-delta starting, supplied with 8-metre single-core cables directly connected to the winding and earthing cable.
The cable is certified ACS and WRAS.
Available only in three-phase version predisposed for installation of PT100 or PTC temperature sensor.
The motor is also available in AISI 316 stainless steel, TR 8 N model, or AISI 904 stainless steel, model TR 8 R.
Motors must be combined with an hydraulic part.

Flanging NEMA 8".
Protection class IP68.
Cooling flow speed 0,5 m/s.
Power supply tolerance +6% / -10%.
Max. starts 10/h.
Max operating depth 300 m.
Maximum operating pressure 60 bar.
Horizontal operation 30 HP - 125 HP.

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DIRECT STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR840 - 30KW	60144600	60146759	40	30	3 x 400 V ~	61	5,7	2890	4x16	8
TR850 - 37KW	60144601	60146760	50	37	3 x 400 V ~	75	5,7	2890	4x16	8
TR860 - 45KW	60144602	60146761	60	45	3 x 400 V ~	92	6,0	2910	4x16	8
TR875 - 55KW	60144603	60146762	75	55	3 x 400 V ~	109	5,9	2900	4x16	8
TR885 - 63KW	60144604	60146763	85	63	3 x 400 V ~	126	5,7	2910	4x16	8
TR8100 - 75KW	60144605	60146764	100	75	3 x 400 V ~	145	5,8	2910	4x16	8
TR8125 - 92KW	60144606	60146765	125	92	3 x 400 V ~	177	5,9	2890	4x25	8
TR8150 - 110KW	60144607	60146767	150	110	3 x 400 V ~	213	5,8	2890	4x25	8

Cable included

STAR/DELTA STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR840 - 30KW	60144610	60146768	40	30	3 x 400 V ~	61	5,7	2890	4x10	8
TR850 - 37KW	60144611	60146769	50	37	3 x 400 V ~	75	5,7	2890	4x10	8
TR860 - 45KW	60144612	60146770	60	45	3 x 400 V ~	92	6,0	2910	4x10	8
TR875 - 55KW	60144613	60146771	75	55	3 x 400 V ~	109	5,9	2900	4x16	8
TR885 - 63KW	60144614	60146772	85	63	3 x 400 V ~	126	5,7	2910	4x16	8
TR8100 - 75KW	60144615	60146773	100	75	3 x 400 V ~	145	5,8	2910	4x16	8
TR8125 - 92KW	60144616	60146774	125	92	3 x 400 V ~	177	5,9	2890	4x16	8
TR8150 - 110KW	60144617	60146775	150	110	3 x 400 V ~	213	5,8	2890	4x16	8

2 cables included

TR 10

10" SUBMERSIBLE MOTORS

10" rewindable asynchronous submersible motor.
Designed for pressurization, lifting water from wells and water use in agricultural irrigation systems.
AISI 316 stainless steel jacket.
Rewindable stator available with PE2+PA windings which allows the use of the motor in special applications and/or with variable frequency drive.
The rotor is mounted on self-centering thrust bearing unit of the Mitchell type capable of withstanding high axial loads.
Cooling and lubrication by means of a mixture of water and glycol.
Two or four pole versions, versions with direct or star-delta starting, supplied with 8-metre single-core cables directly connected to the winding and earthing cable.
The cable is certified ACS and WRAS.
Available only in three-phase version predisposed for installation of PT100 or PTC temperature sensor.
The motor is also available in AISI 316 stainless steel, TR 10 N model, or AISI 904 stainless steel, model TR 10 R.
Motors must be combined with an hydraulic part.

Flanging 10".
Protection class IP68.
Cooling flow speed 0,5 m/s.
Power supply tolerance +6% / -10%.
Max. starts 8/h.
Max operating depth 300 m.
Maximum operating pressure 60 bar.
Horizontal operation 100 HP - 230 HP.

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DIRECT STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR10100 - 75KW	60146838	60146852	100	75	3 x 400 V ~	148	5,4	2910	4x50	8
TR10125 - 92KW	60146839	60146853	125	92	3 x 400 V ~	185	5,6	2910	4x50	8
TR10150 - 110KW	60146840	60146854	150	110	3 x 400 V ~	217	5,7	2910	4x50	8
TR10180 - 132KW	60146841	60146855	180	132	3 x 400 V ~	257	5,7	2910	4x50	8
TR10200 - 147KW	60146842	60146856	200	147	3 x 400 V ~	300	6,2	2920	4x50	8
TR10230 - 170KW	60146843	60146857	230	170	3 x 400 V ~	348	6,0	2920	4x50	8
TR10260 - 190KW	60146844	60146858	260	190	3 x 400 V ~	405	5,9	2930	4x50	8

Cable included

STAR/DELTA STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR10100 - 75KW	60146845	60146859	100	75	3 x 400 V ~	148	5,4	2910	4x35	8
TR10125 - 92KW	60146846	60146860	125	92	3 x 400 V ~	185	5,6	2910	4x35	8
TR10150 - 110KW	60146847	60146861	150	110	3 x 400 V ~	217	5,7	2910	4x35	8
TR10180 - 132KW	60146848	60146862	180	132	3 x 400 V ~	257	5,7	2910	4x35	8
TR10200 - 147KW	60146849	60146863	200	147	3 x 400 V ~	300	6,2	2920	4x35	8
TR10230 - 170KW	60146850	60146864	230	170	3 x 400 V ~	348	6,0	2920	4x35	8
TR10260 - 190KW	60146851	60146865	260	190	3 x 400 V ~	405	5,9	2930	4x35	8

2 cables included

TR 12

12" SUBMERSIBLE MOTORS

12" rewindable asynchronous submersible motor.
Designed for pressurization, lifting water from wells and water use in agricultural irrigation systems.
AISI 316 stainless steel jacket.
Rewindable stator available with PE2+PA windings which allows the use of the motor in special applications and/or with variable frequency drive.
The rotor is mounted on self-centering thrust bearing unit of the Mitchell type capable of withstanding high axial loads.
Cooling and lubrication by means of a mixture of water and glycol.
Two or four pole versions, versions with direct or star-delta starting, supplied with 8-metre single-core cables directly connected to the winding and earthing cable.
The cable is certified ACS and WRAS.
Available only in three-phase version predisposed for installation of PT100 or PTC temperature sensor.
The motor is also available in AISI 316 stainless steel, TR 12 N model, or AISI 904 stainless steel, model TR 12 R.
Motors must be combined with an hydraulic part.

Flanging 12".
Protection class IP68.
Cooling flow speed 0,5 m/s.
Power supply tolerance +6% / -10%.
Max. starts 5/h.
Max operating depth 300 m.
Maximum operating pressure 60 bar.
Horizontal operation 180 HP - 260 HP.
Direction of rotation to be specified in the order; the standard version turns anti-clockwise.

tesla

DIRECT STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR12180 - 132KW	60146896	60146910	180	132	3x400 V~	266	5.0	2930	3x70	8
TR12200 - 147KW	60146897	60146911	200	147	3x400 V~	290	6,2	2930	3x70	8
TR12230 - 170KW	60146898	60146912	230	170	3x400 V~	329	6,1	2920	3x70	8
TR12260 - 190KW	60146899	60146913	260	190	3x400 V~	371	6,2	2930	3x70	8
TR12300 - 220KW	60146900	60146914	300	220	3x400 V~	424	6,1	2920	3x70	8
TR12340 - 250KW	60146901	60146915	340	250	3x400 V~	481	5,9	2920	3x70	8

Cable included

STAR/DELTA STARTING

MODEL	STANDARD PE2 + PA CODE	AISI 316 PE2 + PA CODE	P2 (HP)	P2 kW	VOLTAGE 50 Hz	IN (A)	Is/In	N (min^{-1})	CABLE Ø mm^2	CABLE LC (m)
TR12180 - 132KW	60146903	60146917	180	132	3x400 V~	266	5.0	2930	6x50	8
TR12200 - 147KW	60146904	60146918	200	147	3x400 V~	290	6,2	2930	6x50	8
TR12230 - 170KW	60146905	60146919	230	170	3x400 V~	329	6,1	2920	6x50	8
TR12260 - 190KW	60146906	60146920	260	190	3x400 V~	371	6,2	2930	6x50	8
TR12300 - 220KW	60146907	60146921	300	220	3x400 V~	424	6,1	2920	6x50	8
TR12340 - 250KW	60146908	60146922	340	250	3x400 V~	481	5,9	2920	6x50	8

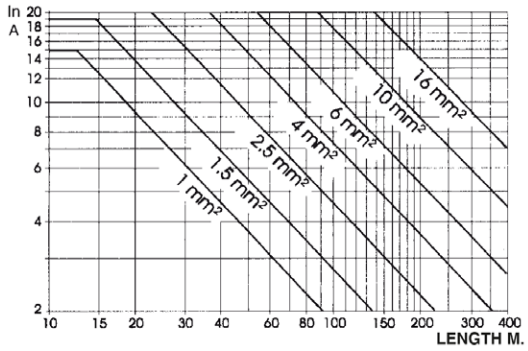
2 cables included

ACCESSORIES FOR SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

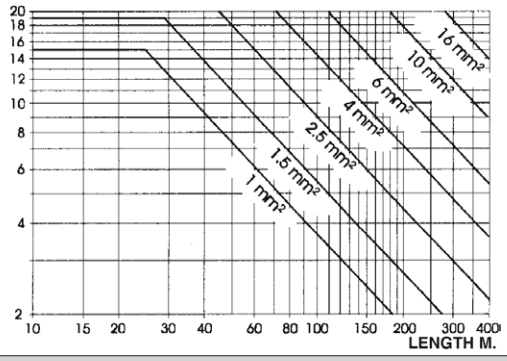
ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

TABLES TO ESTABLISH POWER CABLE CROSS SECTION IN RELATION TO LENGTH



SINGLE-PHASE



THREE-PHASE

For a correct junction, use a cable with a section greater or equal to the motor cable section.
Size properly the section of the cable that has to be spliced, accordingly to the required length of the cable.

SHIELDED CABLE	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	SHIELDED CABLE, FOUR-CORE, PER METER 4 X 1,5 mm²	60149594	•	•		
	SHIELDED CABLE, FOUR-CORE, PER METER 4 X 2,5 mm²	60149595	•	•		
	SHIELDED CABLE, FOUR-CORE, PER METER 4 X 4 mm²	60149596	•	•	•	•

We recommended the use of shielded cables with INVERTER application.

FOUR-CORE CABLE	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	FOUR-CORE CABLE H07 RN-F , PER METER 4x1.5 mm2	002730041	•	•	•	
	FOUR-CORE CABLE H07 RN-F , PER METER 4x2.5 mm2	002730051	•	•	•	
	FOUR-CORE CABLE H07 RN-F , PER METER 4x4 mm2	002730061	•	•	•	•
	FOUR-CORE CABLE H07 RN-F , PER METER 4x6 mm2	002730080	•	•	•	•
	FOUR-CORE CABLE H07 RN-F , PER METER 4x10 mm2	002730085	•	•	•	•
	FOUR-CORE CABLE H07 RN-F , PER METER 4x16 mm2	002730090	•	•	•	•
	FOUR-CORE CABLE H07 RN-F , PER METER 4x25 mm2	002730096	•	•	•	•

PROBE	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	**COMPLETE - ELECTRODE PROBE** Used in the protection and CONTROL SYSTEM ES. Ideal for conductible liquids with maximum temperatures of +40°C. To be connected with a 1.5 mm² cable - 550V insulation. Sensitivity: ≤ 53 kOhm.	002775000		•	•	•
	CABLE FOR ELECTRIC PROBE, PER METER 1x1.5 mm2	002730038		•	•	•

JUNCTION KIT	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	CABLE JUNCTION KIT (for cable 1,5-2,5-4-6 mm2)	547120020	•	•	•	•
	CABLE JUNCTION KIT (for cable 10-16-25 mm2)	547120030		•	•	•
	CABLE CONNECTION TO THE MOTOR-DRIVEN PUMP	AAGCA		•	•	•

ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

KIT EXTENDED LEAD CABLE	DESCRIPTION	CODE
	KIT EXTENDED LEAD CABLE 4G1.5 FOR MICRA HS - 30M	60180969
	KIT EXTENDED LEAD CABLE 4G1.5 FOR MICRA HS - 60M	60180970
	KIT EXTENDED LEAD CABLE 4G1.5 FOR MICRA HS - 90M	60180971

KIT CABLE FOR MOTORS	DESCRIPTION	CODE	4GG	4TW	40L	6GF
	KIT CABLE 4GX1,5 MM2 -LENGTH. 20 M. WITH CONNECT. FOR 4GG/40L	60153539	•		•	
	KIT CABLE 4GX1,5 MM2 -LENGTH. 40 M. WITH CONNECT. FOR 4GG/40L	60153541	•		•	
	KIT CABLE 4GX1,5 MM2 -LENGTH. 60 M. WITH CONNECT. FOR 4GG/40L	60153543	•		•	
	KIT CABLE 4GX1,5 MM2 -LENGTH. 80 M. WITH CONNECT. FOR 4GG/40L	60153544	•		•	
	KIT CABLE 4GX1,5 MM2 -LENGTH. 100 M. WITH CONNECT. FOR 4GG/40L	60185874	•		•	
	KIT CABLE 4GX2,5 MM2 -LENGTH. 20 M. WITH CONNECT. FOR 4GG/40L	60153547	•		•	
	KIT CABLE 4GX2,5 MM2 -LENGTH. 40 M. WITH CONNECT. FOR 4GG/40L	60153614	•		•	
	KIT CABLE 4GX2,5 MM2 -LENGTH. 60 M. WITH CONNECT. FOR 4GG/40L	60185875	•		•	
	KIT CABLE 4GX2,5 MM2 -LENGTH. 80 M. WITH CONNECT. FOR 4GG/40L	60185876	•		•	
	KIT CABLE 4GX2,5 MM2 -LENGTH. 100 M. WITH CONNECT. FOR 4GG/40L	60153550	•		•	
	KIT CABLE 3GX1,5 MM2 -LENGTH. 30 M. WITH CONNECT. FOR 4"TW MOTORS	60153537		•		
	KIT CABLE 4GX4 MM2 -LENGTH. 20 M. WITH CONNECT. FOR 6GF MOTORS	60172853				•
	KIT CABLE 4GX4 MM2 -LENGTH. 40 M. WITH CONNECT. FOR 6GF MOTORS	60185877				•
	KIT CABLE 4GX4 MM2 -LENGTH. 60 M. WITH CONNECT. FOR 6GF MOTORS	60185878				•
	KIT CABLE 4GX4 MM2 -LENGTH. 80 M. WITH CONNECT. FOR 6GF MOTORS	60185879				•
	KIT CABLE 4GX4 MM2 -LENGTH. 100 M. WITH CONNECT. FOR 6GF MOTORS	60185880				•
	KIT CABLE 4GX6 MM2 -LENGTH. 20 M. WITH CONNECT. FOR 6GF MOTORS	60185881				•
	KIT CABLE 4GX6 MM2 -LENGTH. 40 M. WITH CONNECT. FOR 6GF MOTORS	60178067				•
	KIT CABLE 4GX6 MM2 -LENGTH. 60 M. WITH CONNECT. FOR 6GF MOTORS	60185882				•
	KIT CABLE 4GX6 MM2 -LENGTH. 80 M. WITH CONNECT. FOR 6GF MOTORS	60185883				•
	KIT CABLE 4GX6 MM2 -LENGTH. 100 M. WITH CONNECT. FOR 6GF MOTORS	60185884				•
	KIT CABLE 4GX10 MM2 -LENGTH. 20 M. WITH CONNECT. FOR 6GF MOTORS	60185885				•
	KIT CABLE 4GX10 MM2 -LENGTH. 40 M. WITH CONNECT. FOR 6GF MOTORS	60185886				•
	KIT CABLE 4GX10 MM2 -LENGTH. 60 M. WITH CONNECT. FOR 6GF MOTORS	60185887				•
	KIT CABLE 4GX10 MM2 -LENGTH. 80 M. WITH CONNECT. FOR 6GF MOTORS	60185888				•
	KIT CABLE 4GX10 MM2 -LENGTH. 100 M. WITH CONNECT. FOR 6GF MOTORS	60185889				•

CORROSION PROTECTION KIT FOR 4" MOTORS	DESCRIPTION	CODE
	CORROSION PROTECTION KIT - 4"GG 200/300 KG (4" WATER FILLED MOTOR)	60123038
	CORROSION PROTECTION KIT - 4"GG 600 KG (4" WATER FILLED MOTOR)	60123039
	CORROSION PROTECTION KIT - 4"OL (4" OIL FILLED MOTOR)	60151299

DIVERTRON ACCESSORIES	DESCRIPTION	CODE
	ASPIRATION KIT FOR DIVERTRON X	60187735
	AUXILIARY TANK FOR DIVERTRON	60117315

D+ CONNECT

DTRON3 ACCESSORIES	DESCRIPTION
	**DCONNECT BOX 2** Thanks to DConnect Box 2 and the new App you can check the pump, set the starting and stopping parameters, view the details of alarms and monitor the status of the system directly on your smartphone. The DConnect Box 2 allows you to access the DAB cloud service. Google play Download on the App Store

1x

+

1x

Max 1x

MODEL	Codes available at page 321.
DTRON 3	

Update to the following version is required:
VE 5.X or later

MODEL	CODE
DCONNECT BOX 2	60196424

	**NFC WATER LEVEL MEASUREMENT** Only connected to the DConnect Box 2, controls the level of water in the tank and notifies the user of the level via an App (only for DTron 3).	60184570

ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

AA

DTRON2-3 ACCESSORIES	DESCRIPTION	CODE
	**NFC FLOAT** Detects the level of water in a tank, preventing emptying of the latter and seizing of the pump avoiding the dry running, due to too low a level of water.	60184577
	**SUCTION KIT FOR X VERSION** It can be used in combination with Version X to collect water at such a level as to avoid the pumping of dust and mud found at the bottom of wells and tanks.	60195974
	**DOC68** The DOC68 permits installation of the DTron even outdoors as an IP68 certified surface pump.	60192274

ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

KIT PT100	DESCRIPTION	CODE	TR6/TR8	TR10/TR12/TR14 cast iron and AISI 316	TR10/TR12/TR14 AISI 904
	KIT, PT100 6"-8" STD/N/R - CABLE 10MT - 33FT	60199218	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 20MT - 66FT	60199219	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 40MT - 131FT	60199220	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 60MT - 197FT	60199221	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 80MT - 262FT	60199222	•		
	KIT, PT100 6"-8" STD/N/R - CAVO 100MT - 328FT	60199223	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 150MT - 492FT	60199224	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 200MT - 656FT	60199225	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 250MT - 820FT	60199226	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 300MT - 984FT	60199227	•		
	KIT, PT100 6"-8" STD/N/R - CABLE 400MT - 1312FT	60199228	•		
	KIT, PT100 10"-12"-14" STD/N - CABLE 10M - 33FT	60199229		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 20M - 66FT	60199230		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 40M - 131FT	60199231		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 60M - 197FT	60199232		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 80M - 262FT	60199233		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 100M - 328FT	60199234		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 150M - 492FT	60199235		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 200M - 656FT	60199236		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 250M - 820FT	60199237		•	
	KIT, PT100 10"-12"-14" STD/N - CABLE 400M - 1312FT	60199238		•	
	KIT, PT100 10"-12"-14" R - CABLE 8M - 26FT	60199239			•
	KIT, PT100 10"-12"-14" R - CABLE 30M - 98FT	60199240			•

CB - CONTROL PANEL FOR DIVER SINGLE-PHASE PUMP

- Housing in shockproof thermoplastic with two cable clamps
- Luminous 2-pole main switch (power ON)
- Protection level: IP43
- Starter capacitor
- Thermal cut-out protection with external manual reset

	MODEL	CODE	VOLTAGE 50 Hz	P2 NOMINAL		PROTECTION	CAPACITOR µF	DIMENSIONS mm	GROSS WEIGHT Kg	MICRA	
				kW	HP						
	**CB 16/5**	60149564	1x230 V ~	0,55	0,75	5 A	16	85 x 170 x 65	0,65		
	CB 20/6	60149565	1x230 V ~	0,75	1	6 A	20	85 x 170 x 65	0,65		
	CB 30/9	60149566	1x230 V ~	1,1	1,5	9 A	30	85 x 170 x 65	0,65		
	CB 35/12	60148895	1x230 V ~	1,5	2	12 A	35	85 x 170 x 65	0,65		
	CBS 05/12	60140961	1 x 230 V~	0,37	0,5	5 A	12	85 x 170 x 65	0,65	•	MICRA 50 M
	CBS 06/16	60140962	1 x 230 V~	0,55	0,75	6 A	16	85 x 170 x 65	0,65	•	MICRA 75 M
	CBS 07/20	60140963	1 x 230 V~	0,75	1	7 A	20	85 x 170 x 65	0,65	•	MICRA 100 M

ESC PLUS

Panel for protection and control of motor/single-phase/three-phase pump with direct start up.
Double set-up mode: automatic/manual
The motor/pump protection against dry running is assured by the major of the motor cos φ, (level probes not required)
Casing made of shock-proof and self-extinguishing thermoplastic material with two antipull plugs.
Main switch.
Power supply:
Single-phase 230 V +/- 5%
Three-phase 400 V +/-5%
Three-phase 230 V on request
Digital display with status indications.

Four models available for powers from 0.5 HP to 15 HP.
Protection degree IP54. Starting
Capacitor for single phase version (to be order separately).
Optoisolated auxiliary contact for control by probes, pressure switch and float switch.
ON-OFF switch.
Functional features:
Overload protection.
Phase failure protection (three-phase version).
Overvoltage protection.
Short circuit protection.
Protection against dry running.

	MODEL	CODE	VOLTAGE 50-60 Hz	RANGE HP	MAX CURRENT A	PANEL DIMENSIONS			WEIGHT Kg
						A	B	H	
	**ESC PLUS 3M 220-240/50-60**	60149590	1 x 230 V<	0, 5 - 3	< 18	175	175	80	0,9
	ESC PLUS 4T 400/50-60	60149591	3 x 400 V<	0, 5 - 4	< 9	245	195	95	1
	ESC PLUS 10T 400/50-60	60149592	3 x 400 V<	5,5 - 10	< 20	215	170	75	1,4
	ESC PLUS 15T 400/50-60	60149593	3 x 400 V<	12,5 - 15	< 30	215	170	75	1,6

ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

CONTROL BOX 4”

Electric control panel for single phase bore-hole pumps featuring manually resettable overload cut-out, capacitor and terminal board for the electrical connections and possible connection of pressure switch/float. Complete with 1.5 metres of power cable with SCHUKO EEC 7 – VII – UNEL 47166-168 electric plug. Cabinet for wall mounting in a flame-proof, thermoplastic material.

	MODEL SINGLE-PHASE	CODE	MOTOR POWER kW	PROTECTION AMPER. AMP	CAPACITOR µF	WEIGHT Kg
	**CONTROL BOX 4” 0,5**	108003210	0,37	4	16	1,7
	CONTROL BOX 4” 0,75	108003220	0,55	5	20	1,7
	CONTROL BOX 4” 1	108003270	0,75	7	25	1,7
	CONTROL BOX 4” 1,5	108003280	1,1	10	35	1,7
	CONTROL BOX 4” 2	108003290	1,5	13	40	1,7
	CONTROL BOX 4” 3	108003300	2,2	16	60	1,7

4” CONTROL BOOSTER BOX

4” Control Booster Box
Control panel for increasing the starting torque of the single-phase electric pumps with capacities ranging from 0.37 to 3.7 kW single-phase containing the microdisgiuntore for overload protection with manual reset, the starting condenser and run condenser and terminal block for electrical connections.

Plug not included.
Degree of protection: IP 54.
Ambient operating temperature: -10 °C +40 °C.
Wall mounting box in self-extinguishing thermoplastic material.

	MODEL	CODE	VOLTAGE 50 Hz	POWER MAX kW	MAX CURRENT A	RUN CAPACITOR µF	STARTING CAPACITOR µF	WEIGHT Kg
	**CBB 05/15 (0,37 KW)**	4616050	1 x 230 V	0,37	5	16	53-64	0,85
	CBB 06/20 (0,55KW)	4620060	1 x 230 V	0,55	6	20	53-64	0,85
	CBB 09/25 (0,75 KW)	4625090	1 x 230 V	0,75	9	25	100-130	1,5
	CBB 12/35 (1,1 KW)	4635120	1 x 230 V	1,1	12	35	100-130	1,1
	CBB 15/40 (1,5KW)	4640150	1 x 230 V	1,5	15	40	189-250	1,1
	CBB 20/60 (2,2 KW)	49050200	1 x 230 V	2,2	20	60	189-250	1,5
	CBB 32/90 (3,7 KW)	49090320	1 x 230 V	3,7	32	90	315-400	1,5

ACCESSORIES

SUBMERSIBLE PUMPS AND SUBMERSIBLE MOTORS

ES 1 M - ES 3 M

Electric control unit for protecting single-phase electric borehole pumps from running without water (see table). The panel is protected and protects the electric pump from overloading and short circuits with a manually resettable device.
Can work with 1, 2 or 3 probes depending on the use to which it is put.

Protection level: IP55.
Temperature application range: from –10°C to +40°C.
Supplied standard with an electric probe and wall bracket.
Cabinet for wall mounting in flame-proof, thermoplastic material.

	MODEL	CODE	VOLTAGE 50/60 Hz	POWER kW p2 MOT.	MAX RATED OPERATING POWER (kW)	MAX CURRENT A	DIMENSIONS			WEIGHT Kg
							A	B	H	
	**ES 1 M**	108000130	1x220-240 V<	0,37-0,55-0,75	1,85	10	270	300	190	5,6
	ES 3 M	108000140	1x220-240 V<	1,1-1,5-2,2	2,2	16	270	300	190	5,6

ES 0,75 T - 1 T - 1,5 T - 3 T - 4 T - 7,5 T

Electric control unit for protecting three-phase electric borehole pumps from running without water (see table). The panel is protected and protects the electric pump from overloading and short circuits with a manually resettable device.
Can work with 1, 2 or 3 probes depending on the use to which it is put.

Protection level: IP55. Temperature application range:
From –10°C to +40°C.
Supplied standard with an electric probe and wall bracket.
Cabinet for wall mounting in flame-proof, thermoplastic material.

	MODEL	CODE	VOLTAGE 50 Hz	POWER kW p2 MOT.	MAX RATED OPERATING POWER (kW)	MAX CURRENT A	DIMENSIONS			WEIGHT Kg
							A	B	H	
	**ES 0,75 T**	108000240	3 x 400 V	0,37-0,55	0,88	1,6	270	300	190	5,6
	ES 1 T	108000250	3 x 400 V	0,75	1,38	2,5	270	300	190	5,6
	ES 1,5 T	108000260	3 x 400 V	1,1	2,2	4	270	300	190	5,6
	ES 3 T	108000270	3 x 400 V	1,5 - 2,2	3,5	6,3	270	300	190	5,6
	ES 4 T	108000280	3 x 400 V	3	5,5	10	270	300	190	5,6
	ES 7,5 T	108000290	3 x 400 V	4-5,5	7,5	14	270	300	190	5,6

CONTROL UNIT - ES

Electrical panels for protection and automatic control using float/s for bore-hole three phase electric pumps, installed singularly.
Available for direct and star-delta starting.
Cabinet for wall mounting in flame-proof, thermoplastic material.
The panel is self-protected and protects the electric pump from overloading and short circuits, power failure with a manually resettable device.
Supplied complete with:
- Power line switch with pad lockable door handle;
- Self-protected transformer for 24V powering of external commands;
- Terminals for connecting electric pump/s and min. and max. control float/s;
- Probes module for the running without water control;
- Terminals for connecting a remote acoustic or luminous alarm (without potential);
- Switch on the front of the panel for man - 0 - out operation of the electric pump;
- Operating temperature range: -10°C +40°C;
- Level of protection: IP55;
- The panels are built to EN 60204-1 and EN 60439-1;
- Supplied with standard electric probe.

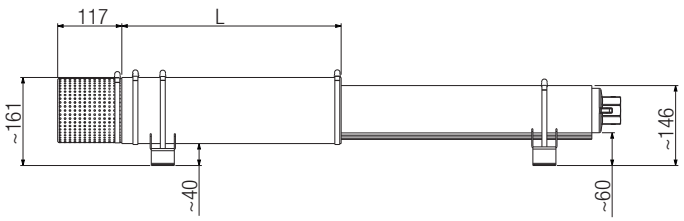
MODEL	CODE 3 x 380-415V~	VOLTAGE 50-60 Hz	P2 NOMINAL kW	MAX CURRENT	WEIGHT Kg
ES 7,5 T	108000290	3 x 400 V	4 - 5,5	14	5,6
ES 10 T	108000600	3 x 400 V	7,5	18	5,6
ES 12,5 T	108000610	3 x 400 V	9,2	25	5,9
ES 15 T	108000620	3 x 400 V	11	25	8
ES 20 T	108000630	3 x 400 V	15	32	8,1
ES 25 T	108000640	3 x 400 V	18,5	40	8,3
ES 30 T	108000650	3 x 400 V	22	63	8,5
ES 40 T	108000660	3 x 400 V	30	80	8,2
ES 50 T	108000670	3 x 400 V	37	90	9
ES 60 T	108000680	3 x 400 V	45	100	9
ES 75 T	60168893	3 x 400 V	55	109	-
ES 85 T	60168895	3 x 400 V	63	126	-
ES 100 T	60168897	3 x 400 V	75	148	-
ES 125 T	60168899	3 x 400 V	92	185	-
ES 150 T	60168901	3 x 400 V	110	217	-
ES 180 T	60168903	3 x 400 V	132	257	-
ES 200 T	60168905	3 x 400 V	147	300 A	-
ES 230 T	60168907	3 x 400 V	170	348 A	-
ES 260 T	60168909	3 x 400 V	190	405 A	-
ES 300 T	60168911	3 x 400 V	220	424 A	-
ES 340 T	60168913	3 x 400 V	250	481	-
ES 10 T S/D	108000700	3 x 400 V	7,5	18	5,6
ES 12,5 T S/D	108000710	3 x 400 V	9,2	25	5,9
ES 15 T S/D	108000720	3 x 400 V	11	25	8
ES 20 T S/D	108000730	3 x 400 V	15	32	8,1
ES 25 T S/D	108000740	3 x 400 V	18,5	40	8,3
ES 30 T S/D	108000750	3 x 400 V	22	63	8,5
ES 40 T S/D	108000760	3 x 400 V	30	80	8,2
ES 50 T S/D	108000770	3 x 400 V	37	90	9
ES 60 T S/D	108000780	3 x 400 V	45	100	9
ES 75 T S/D	60168894	3 x 400 V	55	109	-
ES 85 T S/D	60168896	3 x 400 V	63	126	-
ES 100 T S/D	60168898	3 x 400 V	75	148	-
ES 125 T S/D	60168900	3 x 400 V	92	185	-
ES 150 T S/D	60168902	3 x 400 V	110	217	-
ES 180 T S/D	60168904	3 x 400 V	132	257	-
ES 200 T S/D	60168906	3 x 400 V	147	300 A	-
ES 230 T S/D	60168908	3 x 400 V	170	348	-
ES 260 T S/D	60168910	3 x 400 V	190	405	-
ES 300 T S/D	60168912	3 x 400 V	220	424	-
ES 340 T S/D	60168914	3 x 400 V	250	481	-

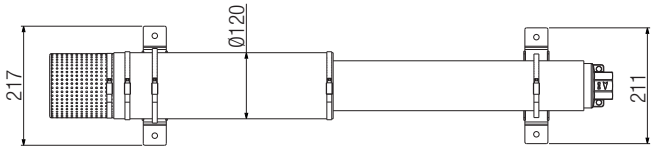
COOLING LINERS FOR 4” SUBMERSIBLE PUMP

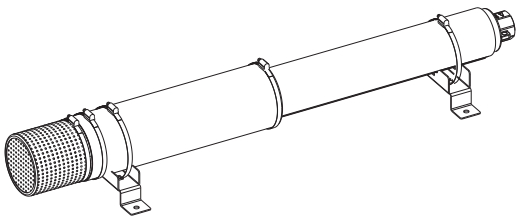
Kit of cooling liners of different lengths, used to ensure perfect cooling of the 4” motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

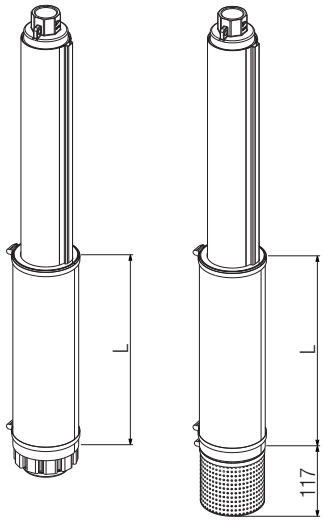
	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	kW		4 GG	4 OL	4 GG 2W
SINGLE-PHASE	0,5	0,37	50	KIT 400	KIT 400	KIT 400
	0,75	0,55				KIT 525
	1	0,75				
	1,5	1,1		KIT 525	KIT 525	
	2	1,5				
	3	2,2			KIT 885	
	4	3		KIT 885		
	5	3,7				
	5,5	4				
	0,5	0,37	60	KIT 400	KIT 400	KIT 525
	0,75	0,55				
	1	0,75		KIT 525	KIT 525	KIT 885
	1,5	1,1				
	2	1,5			KIT 885	
	3	2,2		KIT 885		
	5	3,7				
	5,5	4				
THREE-PHASE	0,5	0,37	50	KIT 400	KIT 400	
	0,75	0,55				
	1	0,75				
	1,5	1,1				
	2	1,5		KIT 525	KIT 525	
	3	2,2				
	4	3		KIT 885	KIT 885	
	5,5	4				
	7,5	5,5				
	10	7,5				
	0,5	0,37	60	KIT 400	KIT 400	
	0,75	0,55				
	1	0,75				
	1,5	1,1		KIT 525	KIT 525	
	2	1,5				
	3	2,2				
	4	3		KIT 885	KIT 885	
	5,5	4				
	7,5	5,5				
	10	7,5				

TESLA/DAB motor data









	CODE	DESCRIPTION
	60125178	**COOLING SLEEVE KIT L400**
	60125179	**COOLING SLEEVE KIT L525**
	60125180	**COOLING SLEEVE KIT L885**
	60125181	**HORIZONTAL POSITIONING KIT (2 PIECES)**
	60125182	**COOLING FILTER KIT**

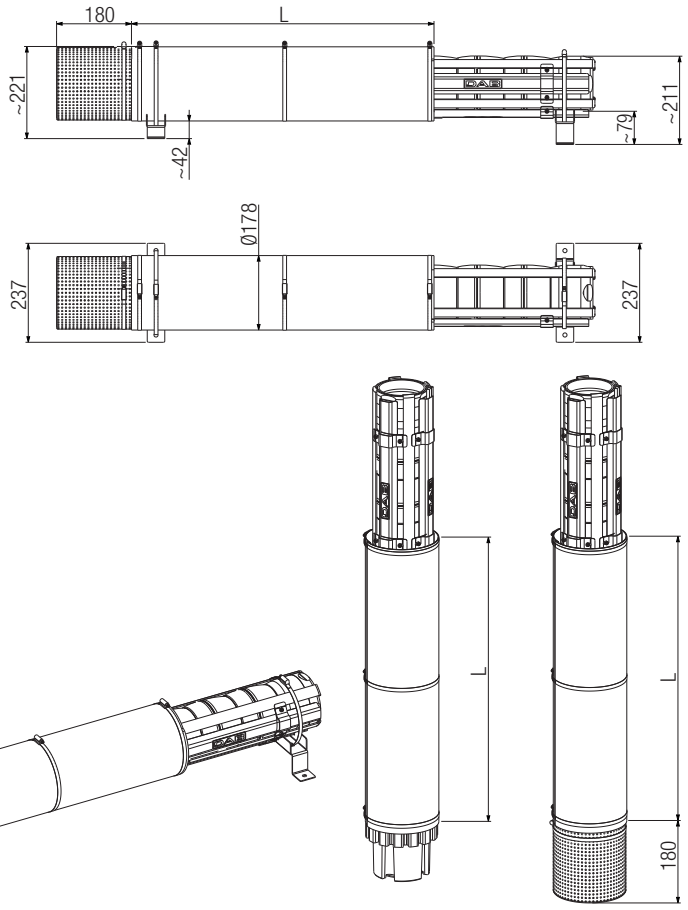
COOLING LINERS FOR 6” SUBMERSIBLE PUMP

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 6” motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.
SUITABLE FOR USE ON S6, SR6 E SM6 ELECTRIC PUMPS COUPLED WITH 6” MOTOR

	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	kW		6GF - GX	TR6	6GF HEAVY DUTY
SINGLE-PHASE	5	3,7	50-60	KIT L960		
	7,5	5,5				
	10	7,5				
	15	11				
THREE-PHASE	5,5	4		KIT 725		
	7,5	5,5			KIT 960	
	10	7,5		KIT 960		
	12,5	9,2				
	15	11				
	17,5	13			KIT 1220	
	20	15		KIT 960		
	25	18,5				
	30	22		KIT 1220		
	35	26				KIT 1220
	40	30			KIT 1490	KIT 1490
	50	37		KIT 1490		
	60	57				

	MOTOR POWER		FREQUENCY	4GG+SS6 MOTOR
	HP	kW		
SINGLE-PHASE	0,5	0,37	50-60	KIT 725
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5	3,7		KIT 960
	5,5	4		
THREE-PHASE	0,5	0,37		KIT 725
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5,5	4		KIT 960
	7,5	5,5		
	10	7,5		KIT 1220

TESLA/DAB motor data



	CODE	DESCRIPTION
	60144213	**COOLING SLEEVE KIT L. 725**
	60144217	**COOLING SLEEVE KIT L. 960**
	60144218	**COOLING SLEEVE KIT L. 1.220**
	60146397	**COOLING SLEEVE KIT L. 1.490**
	60146398	**HORIZONTAL POSITIONING KIT (2 PIECES)**
	60146399	**FILTER KIT**

In order to determine the cooling flow speed v [m/s] along the motor liner, the following formula can be used:

$$v = \frac{\frac{Q}{2}}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4}\right)}$$

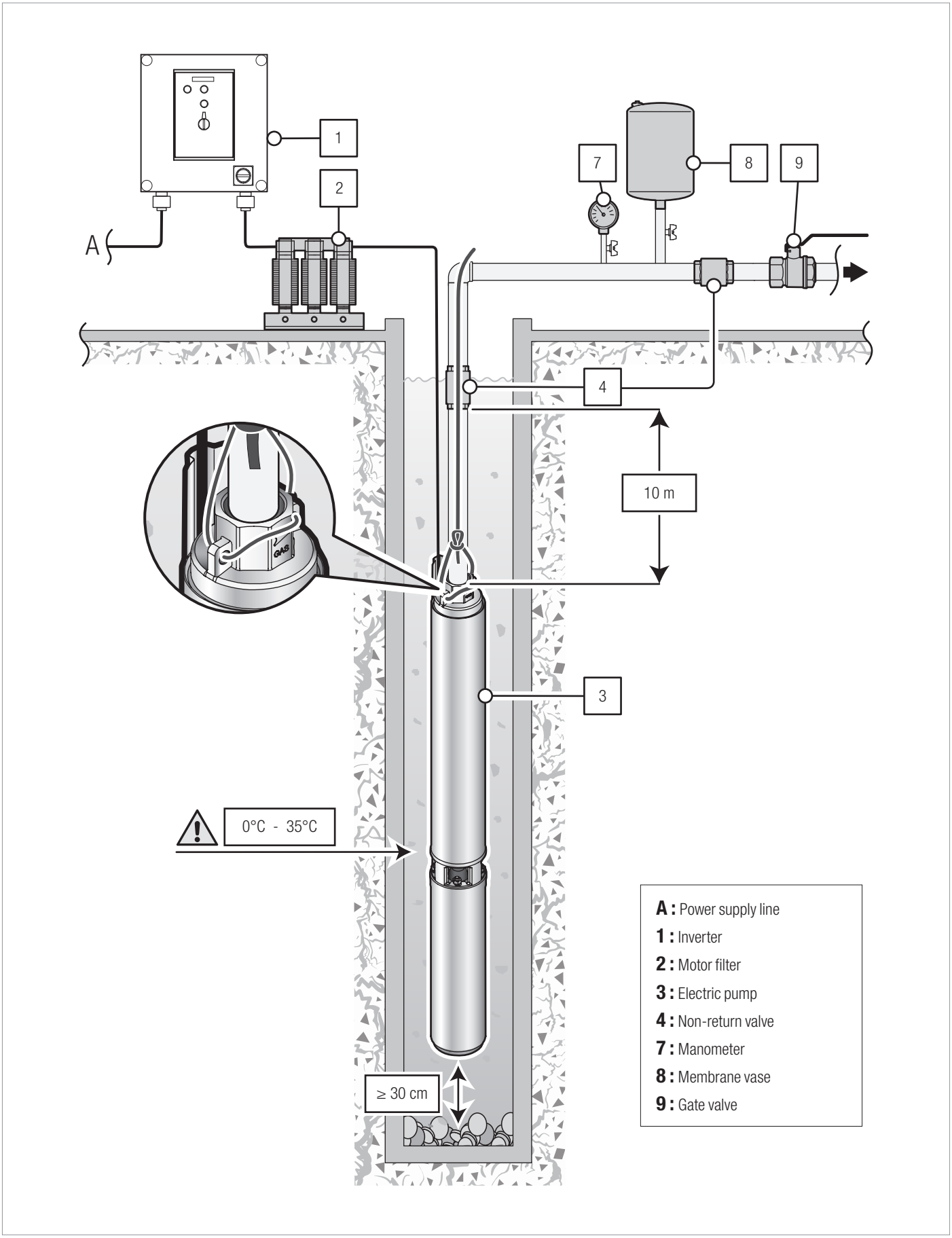
On the other hand, in order to determine the correct diameter of the cooling liner, to ensure that the minimum required cooling flow condition is met at a certain pump flow level, the following formula can be used:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4}\right)}$$

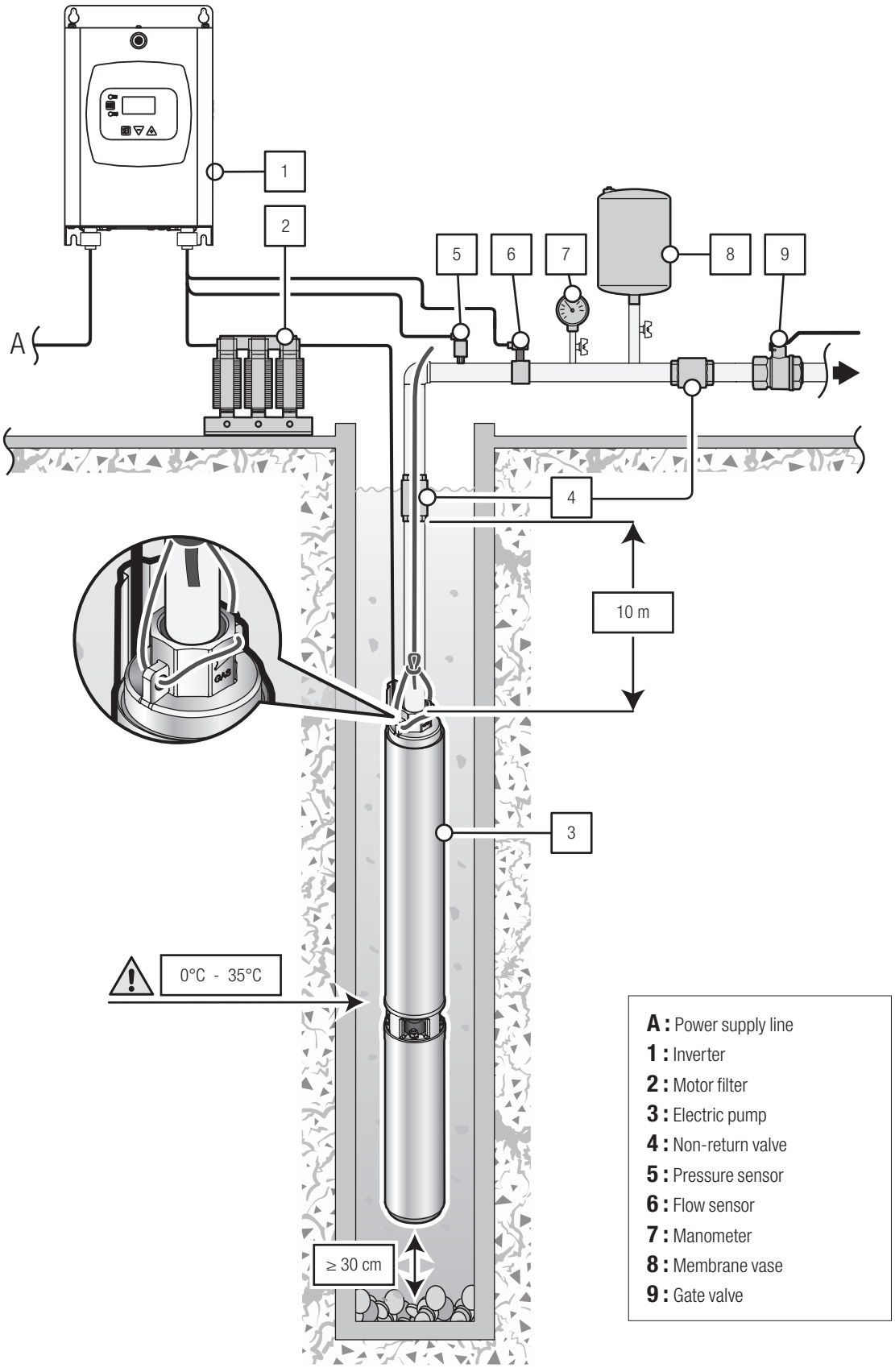
Q [m^3 /s] = flow at the point of operation of the electric pump
V [m/s] = cooling flow speed
D [m] = well diameter
d [m] = motor diameter

TECHNICAL APPENDIX

EXAMPLE OF INSTALLATION OF A SUBMERSIBLE ELECTRIC PUMP



EXAMPLE OF INSTALLATION OF A SUBMERSIBLE ELECTRIC PUMP CONTROLLED BY INVERTER



DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

SINGLE-PHASE 4" MOTOR (4GG)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²						
						mm²	1,5	2,5	4	6	10	16	25
						H Max	19	25	34	43	60	80	101
	kW	HP				Maximum length in metres (m)							
4"	0,37	0,5	1x230	3,3	0,97		81	134	215	321	534		
4"	0,55	0,75	1x230	4,6	0,94		60	99	159	237	393		
4"	0,75	1	1x230	6,2	0,92		45	75	120	180	297	472	
4"	1,1	1,5	1x230	8,6	0,9		33	55	88	132	219	346	533
4"	1,5	2	1x230	11	0,91		26	43	68	102	169	268	413
4"	2,2	3	1x230	15	0,89		19	32	51	77	127	200	308
4"	3	4	1x230	23,5	0,9			20	32	48	80	127	195
4"	3,7	5	1x230	25	0,95			18	29	43	72	114	176
4"	4	5,5	1x230	27	0,96				26	40	66	105	162

THREE-PHASE 4" MOTOR (4GG)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²						
						mm²	1,5	2,5	4	6	10	16	25
						H Max	19	25	34	43	60	80	101
	kW	HP				Maximum length in metres (m)							
4"	0,37	0,5	3x400	1,4	0,66		557						
4"	0,55	0,75	3x400	1,9	0,72		377						
4"	0,75	1	3x400	2,4	0,72		298	496					
4"	1,1	1,5	3x400	3,4	0,76		200	332	528				
4"	1,5	2	3x400	4,4	0,72		163	270	430				
4"	2,2	3	3x400	5,9	0,78		112	186	297	443			
4"	3	4	3x400	8,3	0,71		88	145	231	344	566		
4"	4	5,5	3x400	10	0,79		65	109	173	258	425		
4"	5,5	7,5	3x400	14	0,74		50	83	132	196	323	507	
4"	7,5	10	3x400	17,4	0,8		37	62	98	147	242	381	581

For 230V three-phase divide the maximum length by 1.73

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

SINGLE-PHASE 4" MOTOR (4OL)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²						
						mm²	1,5	2,5	4	6	10	16	25
						H Max	19	25	34	43	60	80	101
	kW	HP				Maximum length in metres (m)							
4"	0,37	0,5	1x230	3,5	0,9		82	136	217	325	537		
4"	0,55	0,75	1x230	4,5	0,92		62	104	165	247	410		
4"	0,75	1	1x230	6,3	0,88		46	77	123	184	305	482	
4"	1,1	1,5	1x230	8,5	0,91		33	55	88	132	219	347	534
4"	1,5	2	1x230	10,8	0,87		27	46	73	109	180	284	436
4"	2,2	3	1x230	15	0,87		20	33	52	78	129	204	314
4"	3	4	1x230	23,5	0,9			20	32	48	80	127	195
4"	3,7	5	1x230	25,4	0,95				28	43	71	112	173
4"	4	5,5	1x230	27	0,96				26	40	66	105	162

THREE-PHASE 4" MOTOR (4OL)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²						
						mm²	1,5	2,5	4	6	10	16	25
						H Max	19	25	34	43	60	80	101
	kW	HP				Maximum length in metres (m)							
4"	0,37	0,5	3x400	1,2	0,77		559						
4"	0,55	0,75	3x400	2,2	0,64		366	606					
4"	0,75	1	3x400	2,6	0,68		291	484					
4"	1,1	1,5	3x400	3,6	0,68		211	349	555				
4"	1,5	2	3x400	4,6	0,68		165	273	435	647			
4"	2,2	3	3x400	6	0,71		121	201	320	476			
4"	3	4	3x400	7,5	0,77		89	148	236	352	581		
4"	4	5,5	3x400	9,6	0,79		68	113	180	269	443	698	
4"	5,5	7,5	3x400	13,1	0,8		49	82	130	195	321	506	
4"	7,5	10	3x400	16,9	0,81		38	63	100	149	246	388	592

For 230V three-phase divide the maximum length by 1.73

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 6" ENCAPSULATED MOTOR (6GF, 6GX)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²							
						mm²	4	6	10	16	25	35	50	70
						H Max	34	43	60	80	101	126	153	196
	kW	HP				Maximum length in metres (m)								
6"	3,7	5	1x230	25	0,98		28	42	70	111	173	240	339	469
6"	5,5	7,5	1x230	33,5	0,98		21	31	52	83	129	179	253	350
6"	7,5	10	1x230	44	0,99				39	63	98	136	193	268
6"	11	15	1x230	65	0,99					43	66	92	131	181

THREE-PHASE 6" ENCAPSULATED MOTOR (6GF, 6GX)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²							
						mm²	4	6	10	16	25	35	50	70
						H Max	34	43	60	80	101	126	153	196
	kW	HP				Maximum length in metres (m)								
6"	4	5,5	3x400	10,6	0,75		172	256	421					
6"	5,5	7,5	3x400	14	0,75		130	194	319	501				
6"	7,5	10	3x400	18	0,78		97	145	239	376	573			
6"	9,3	12,5	3x400	22	0,8		78	116	191	301	459			
6"	11	15	3x400	25,5	0,82		65	98	161	254	388	532		
6"	15	20	3x400	33,4	0,8		51	76	126	198	303	414	570	
6"	18,5	25	3x400	41	0,8			62	103	162	246	337	464	
6"	22	30	3x400	47	0,84				86	135	207	283	392	528
6"	26	35	3x400	57	0,83				71	113	172	236	326	438
6"	30	40	3x400	61,5	0,85					102	156	215	298	401
6"	37	50	3x400	79,3	0,84					80	122	168	233	313
6"	45	60	3x400	95	0,83						103	141	196	263

THREE-PHASE 6" ENCAPSULATED MOTOR (6GF, 6GX)

CABLE SIZING TAKING INTO ACCOUNT A 3% VOLTAGE DROP; FLAT CABLE LAID IN WATER AT A TEMPERATURE OF 30°C

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x …mm²							
						mm²	4	6	10	16	25	35	50	70
						H Max	59	74	104	139	175	218	265	339
	kW	HP				Maximum length in metres (m)								
6"	4	5,5	3x400	10,6	0,75		257	384						
6"	5,5	7,5	3x400	14	0,75		195	290	478					
6"	7,5	10	3x400	18	0,78		146	218	359	565				
6"	9,3	12,5	3x400	22	0,8		117	174	287	452				
6"	11	15	3x400	25,5	0,82		98	146	242	381	583			
6"	15	20	3x400	33,4	0,8		77	114	189	298	454			
6"	18,5	25	3x400	41	0,8		63	93	154	242	370	505		
6"	22	30	3x400	47	0,84		52	78	128	203	310	425	589	
6"	26	35	3x400	57	0,83		43	65	107	169	258	354	489	
6"	30	40	3x400	61,5	0,85			59	97	153	235	322	447	
6"	37	50	3x400	79,3	0,84				76	120	184	252	349	470
6"	45	60	3x400	95	0,83				64	101	155	212	294	394

For 230V three-phase divide the maximum length by 1.73. Multiply the absorbed current by 1.73 and only consider the section smaller than the I max maximum permissible current

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 6" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - DIRECT START-UP

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²							
						mm²	6	10	16	25	35	50	70	95
						H Max	43	60	80	101	126	153	196	238
	kW	HP				Maximum length in metres (m)								
6"	5,5	7,5	3x400	13	0,81		192	317	498	757				
6"	7,5	10	3x400	18	0,8		141	231	363	552	753			
6"	9,3	12,5	3x400	21	0,81		119	196	308	469	640	878		
6"	11	15	3x400	25	0,82		99	163	256	390	533	732	976	
6"	13	17,5	3x400	29	0,82		85	140	221	336	459	631	841	
6"	15	20	3x400	32	0,83		76	126	198	302	413	568	758	975
6"	18,5	25	3x400	39	0,83		63	103	163	248	339	466	622	800
6"	22	30	3x400	49	0,79			86	135	205	279	382	507	647
6"	26	35	3x400	58	0,79			73	114	173	236	323	428	547
6"	30	40	3x400	65	0,81				100	151	207	284	377	484
6"	37	50	3x400	80	0,81				81	123	168	231	307	393
6"	45	60	3x400	93,1	0,85					102	140	193	258	333

Free air installation at maximum temperature of 35 °C

THREE-PHASE 6" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - STAR/DELTA START-UP

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²							
						mm²	6	10	16	25	35	50	70	95
						H Max	74	104	139	175	218	265	339	412
	kW	HP				Maximum length in metres (m)								
6"	5,5	7,5	3x400	13	0,81		289	475	747					
6"	7,5	10	3x400	18	0,8		211	347	545	828				
6"	9,3	12,5	3x400	21	0,81		179	294	462	703	960			
6"	11	15	3x400	25	0,82		148	244	384	585	799			
6"	13	17,5	3x400	29	0,82		128	211	331	504	689	947		
6"	15	20	3x400	32	0,83		115	189	297	453	619	852		
6"	18,5	25	3x400	39	0,83		94	155	244	372	508	699	933	
6"	22	30	3x400	49	0,79		78	129	202	307	419	573	760	971
6"	26	35	3x400	58	0,79		66	109	171	260	354	484	642	820
6"	30	40	3x400	65	0,81		58	95	149	227	310	426	566	726
6"	37	50	3x400	80	0,81			77	121	185	252	346	460	589
6"	45	60	3x400	93,1	0,85			64	100	153	209	289	387	499

Free air installation at maximum temperature of 35 °C

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 8" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - DIRECT START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²												
						mm²	6	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	43	60	80	101	126	153	196	238	276	319	364	430	497
	kW	HP				Maximum length in metres (m)													
8"	22	30	3x400	45	0,84			89	139	213	291	401	536	691	830	977			
8"	26	35	3x400	54	0,85			73	115	176	241	332	444	573	690	814	946		
8"	30	40	3x400	61	0,85				102	156	213	294	393	508	611	721	837		
8"	37	50	3x400	75	0,85				83	127	173	239	320	413	497	586	681	814	940
8"	45	60	3x400	92	0,82					106	145	199	265	340	408	478	553	657	754
8"	55	75	3x400	109	0,85						119	165	220	284	342	403	469	560	647
8"	63	85	3x400	126	0,83						105	144	192	248	297	349	404	481	553
8"	75	100	3x400	145	0,86							123	165	213	257	303	353	423	489
8"	92	125	3x400	177	0,86								135	174	210	248	289	346	401
8"	110	150	3x400	213	0,87									145	174	207	241	289	335

4P

8"	11	15	3x400	25,9	0,77		101	166	261	395	538	735	971						
8"	15	20	3x400	33,7	0,81		74	122	192	292	399	547	728	933					
8"	18,5	25	3x400	41,4	0,81		60	99	156	238	325	446	592	759	908				
8"	22	30	3x400	49,7	0,8		51	84	132	200	273	374	496	635	759	888			
8"	26	35	3x400	58	0,8		44	72	113	171	234	320	425	544	650	761	876		
8"	30	40	3x400	64,8	0,83		38	62	98	149	204	281	374	481	577	679	786	935	
8"	37	50	3x400	81,8	0,8		31	51	80	122	166	227	302	386	461	539	621	735	841

THREE-PHASE 8" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - STAR/DELTA START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²												
						mm²	6	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	74	104	139	175	218	265	339	412	478	553	630	745	861
	kW	HP				Maximum length in metres (m)													
8"	22	30	3x400	45	0,84		81	133	209	319	437	602	804						
8"	26	35	3x400	54	0,85		66	110	173	264	361	498	667	860					
8"	30	40	3x400	61	0,85		59	97	153	233	320	441	590	761	916				
8"	37	50	3x400	75	0,85			79	124	190	260	359	480	619	745	879			
8"	45	60	3x400	92	0,82			66	104	159	217	299	398	510	611	718	830	985	
8"	55	75	3x400	109	0,85				86	131	179	247	330	426	513	605	703	840	970
8"	63	85	3x400	126	0,83				75	115	157	216	289	371	445	524	606	721	830
8"	75	100	3x400	145	0,86					97	133	184	247	319	385	455	530	634	734
8"	92	125	3x400	177	0,86						109	151	202	262	315	373	434	520	601
8"	110	150	3x400	213	0,87						90	125	167	217	262	310	361	434	503

4P

8"	11	15	3x400	25,9	0,77		152	250	391	593	807								
8"	15	20	3x400	33,7	0,81		111	183	288	438	598	821							
8"	18,5	25	3x400	41,4	0,81		91	149	234	357	487	668	889						
8"	22	30	3x400	49,7	0,8		76	126	197	300	409	561	745	953					
8"	26	35	3x400	58	0,8		65	108	169	257	351	481	638	817	975				
8"	30	40	3x400	64,8	0,83		57	93	147	224	306	421	561	722	866				
8"	37	50	3x400	81,8	0,8			76	120	182	249	341	452	579	691	809	932		

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 10" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - DIRECT START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²													
						mm²	6	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	43	60	80	101	126	153	196	238	276	319	364	430	497
	kW	HP				Maximum length in metres (m)													
10"	75	100	3x400	148	0,84							122	163	210	252	297	345	411	473
10"	92	125	3x400	185	0,82								132	169	203	238	275	327	375
10"	110	150	3x400	217	0,84									143	172	203	235	280	323
10"	132	180	3x400	257	0,84										145	171	198	237	273
10"	147	200	3x400	300	0,81											147	170	201	230
10"	170	230	3x400	348	0,81												146	173	198
10"	190	260	3x400	405	0,79													148	169

4P

10"	30	40	3x400	63	0,8				104	158	215	295	392	501	599	700	807	954	
10"	37	50	3x400	78	0,8				84	127	174	238	316	405	483	566	652	771	882
10"	45	60	3x400	91	0,83					106	145	200	267	343	411	483	560	666	766
10"	55	75	3x400	110	0,82						121	166	222	285	341	400	463	549	631
10"	75	100	3x400	153	0,81							121	160	205	246	288	332	394	451
10"	92	125	3x400	185	0,82								132	169	203	238	275	327	375
10"	110	150	3x400	221	0,83									141	169	199	230	274	315

THREE-PHASE 10" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - STAR/DELTA START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²													
						mm²	6	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	74	104	139	175	218	265	339	412	478	553	630	745	861
	kW	HP				Maximum length in metres (m)													
10"	75	100	3x400	148	0,84					97	133	183	244	315	378	446	517	616	710
10"	92	125	3x400	185	0,82						108	148	198	254	304	357	413	490	562
10"	110	150	3x400	217	0,84						91	125	167	215	258	304	353	420	484
10"	132	180	3x400	257	0,84							105	141	181	218	257	298	355	409
10"	147	200	3x400	300	0,81								123	157	188	220	254	301	345
10"	170	230	3x400	348	0,81									136	162	190	219	260	298
10"	190	260	3x400	405	0,79									117	140	164	188	222	254

4P

10"	30	40	3x400	63	0,8		60	99	156	237	323	442	588	752	898				
10"	37	50	3x400	78	0,8			80	126	191	261	357	475	607	725	848	978		
10"	45	60	3x400	91	0,83			66	105	159	218	300	400	514	617	725	840	999	
10"	55	75	3x400	110	0,82				87	133	182	250	333	427	511	600	694	824	946
10"	75	100	3x400	153	0,81					97	132	181	240	308	369	432	499	591	677
10"	92	125	3x400	185	0,82						108	148	198	254	304	357	413	490	562
10"	110	150	3x400	221	0,83							123	165	212	254	299	346	411	473

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 12" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - DIRECT START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x ...mm²												
						mm²	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	60	80	101	126	153	196	238	276	319	364	430	497
	kW	HP				Maximum length in metres (m)												
12"	132	180	3x400	267	0,82									140	165	191	226	260
12"	147	200	3x400	300	0,82										147	170	201	231
12"	170	230	3x400	345	0,85											148	177	204
12"	190	260	3x400	372	0,84												163	188
12"	220	300	3x400	425	0,84												143	165
12"	250	340	3x400	481	0,85													147
12"	300	400	3x400	575	0,87													

4P

12"	75	100	3x400	144	0,86						124	166	214	258	305	356	426	493
12"	92	125	3x400	185	0,81							133	170	203	238	275	326	373
12"	110	150	3x400	216	0,84								144	173	204	236	281	324
12"	132	180	3x400	256	0,84									146	172	199	238	274
12"	147	200	3x400	278	0,87										158	185	222	257

THREE-PHASE 12" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - STAR/DELTA START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x ...mm²												
						mm²	10	16	25	35	50	70	95	120	150	185	240	300
						H Max	60	80	101	126	153	196	238	276	319	364	430	497
	kW	HP				Maximum length in metres (m)												
12"	132	180	3x400	267	0,82							137	176	211	247	286	339	390
12"	147	200	3x400	300	0,82							122	157	188	220	254	302	347
12"	170	230	3x400	345	0,85								135	162	191	222	265	306
12"	190	260	3x400	372	0,84								125	151	177	206	245	283
12"	220	300	3x400	425	0,84									132	155	180	215	247
12"	250	340	3x400	481	0,85										137	159	190	220
12"	300	400	3x400	575	0,87											134	161	186

4P

12"	75	100	3x400	144	0,86				98	134	186	249	322	388	458	533	639	739
12"	92	125	3x400	185	0,81					109	150	199	255	305	357	412	488	560
12"	110	150	3x400	216	0,84					91	125	168	216	259	305	354	422	487
12"	132	180	3x400	256	0,84						106	141	182	219	258	299	356	411
12"	147	200	3x400	278	0,87							128	166	201	237	277	332	386

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

THREE-PHASE 14" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - DIRECT START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²								
						mm²	35	50	70	95	120	150	185	240	300
						H Max	126	153	196	238	276	319	364	430	497
	kW	HP				Maximum length in metres (m)									
14"	220	300	3x400	448	0,8										154
14"	260	350	3x400	505	0,8										
14"	300	400	3x400	595	0,82										
14"	330	450	3x400	651	0,82										
14"	370	500	3x400	745	0,8										
14"	400	550	3x400	746	0,86										

4P

14"	170	230	3x400	350	0,79								145	171	196
14"	190	260	3x400	387	0,8									155	178
14"	220	300	3x400	441	0,81										157
14"	260	350	3x400	537	0,83										
14"	300	400	3x400	604	0,81										

THREE-PHASE 14" WINDING MOTORS (TR 6, TR 12)

CABLE SIZING TAKING INTO ACCOUNT A 3 % VOLTAGE DROP - STAR/DELTA START-UP

2P

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 1x …mm²								
						mm²	35	50	70	95	120	150	185	240	300
						H Max	218	265	339	412	478	553	630	745	861
	kW	HP				Maximum length in metres (m)									
14"	220	300	3x400	448	0,8						126	148	170	201	230
14"	260	350	3x400	505	0,8							131	151	179	204
14"	300	400	3x400	595	0,82								128	152	175
14"	330	450	3x400	651	0,82									139	160
14"	370	500	3x400	745	0,8										138
14"	400	550	3x400	746	0,86										143

4P

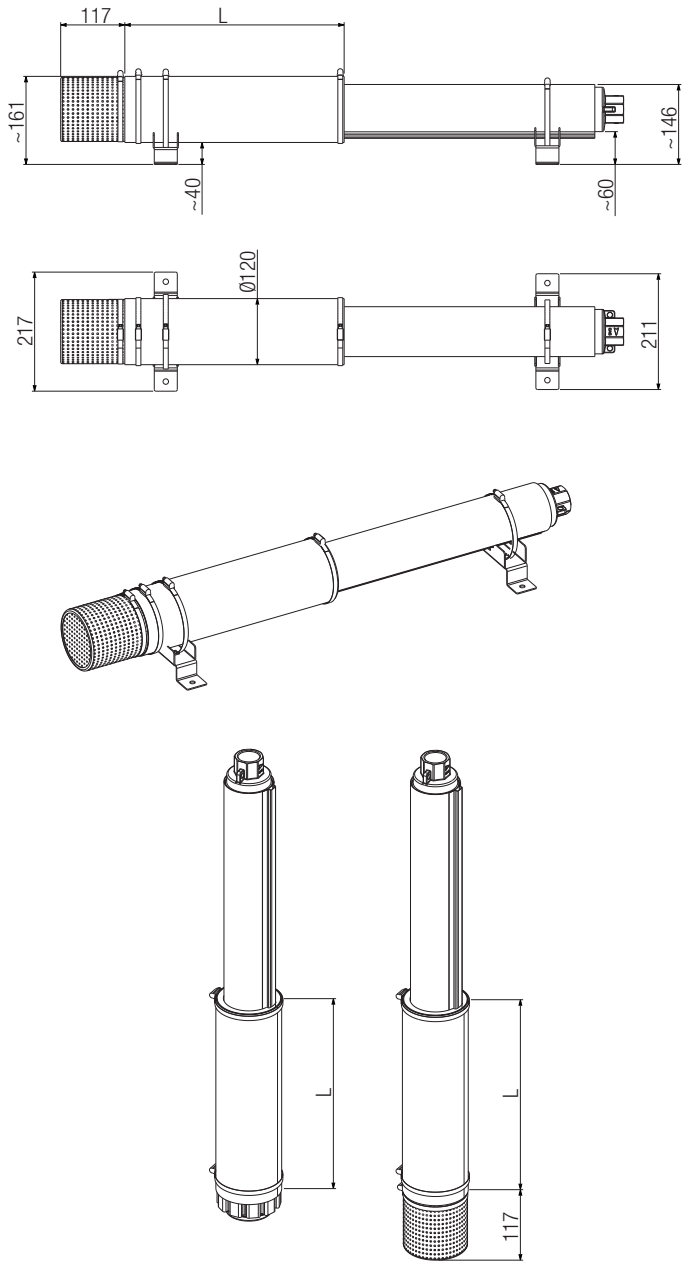
14"	170	230	3x400	350	0,79					136	162	189	218	257	294
14"	190	260	3x400	387	0,8					122	146	171	197	233	267
14"	220	300	3x400	441	0,81						128	150	173	205	235
14"	260	350	3x400	537	0,83							123	142	169	195
14"	300	400	3x400	604	0,81								126	150	171

COOLING LINERS FOR 4" SUBMERSIBLE PUMP

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 4" motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	kW		4 GG	4 OL	4 GG 2W
SINGLE-PHASE	0,5	0,37	50	KIT 400	KIT 400	KIT 400
	0,75	0,55				KIT 525
	1	0,75				
	1,5	1,1		KIT 525	KIT 525	
	2	1,5				
	3	2,2			KIT 885	
	4	3		KIT 885		
	5	3,7				
	5,5	4				
	0,5	0,37	60	KIT 400	KIT 400	KIT 525
	0,75	0,55				
	1	0,75		KIT 525	KIT 525	KIT 885
	1,5	1,1				
	2	1,5				
	3	2,2		KIT 885	KIT 885	
	5	3,7				
	5,5	4				
THREE-PHASE	0,5	0,37	50	KIT 400	KIT 400	
	0,75	0,55				
	1	0,75				
	1,5	1,1				
	2	1,5		KIT 525	KIT 525	
	3	2,2				
	4	3		KIT 885	KIT 885	
	5,5	4				
	7,5	5,5				
	10	7,5				
	0,5	0,37	60	KIT 400	KIT 400	
	0,75	0,55				
	1	0,75				
	1,5	1,1		KIT 525	KIT 525	
	2	1,5				
	3	2,2				
	4	3		KIT 885	KIT 885	
	5,5	4				
	7,5	5,5				
	10	7,5				

TESLA/DAB motor data



CODE	DESCRIPTION
60125178	**COOLING SLEEVE KIT L400**
60125179	**COOLING SLEEVE KIT L525**
60125180	**COOLING SLEEVE KIT L885**
60125181	**HORIZONTAL POSITIONING KIT (2 PIECES)**
60125182	**COOLING FILTER KIT**

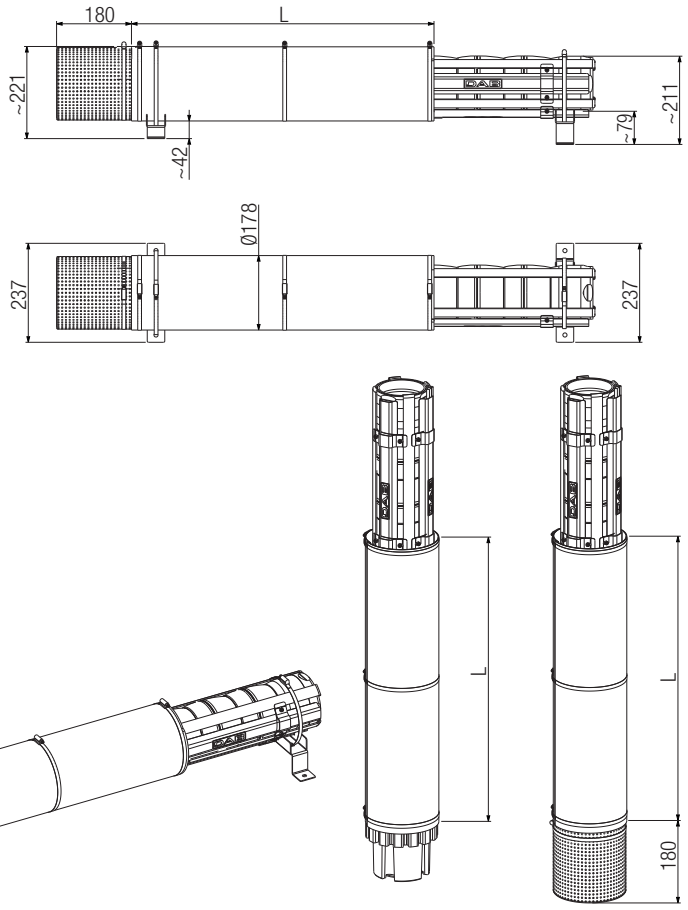
COOLING LINERS FOR 6” SUBMERSIBLE PUMP

Kit of cooling liners of different lengths, used to ensure perfect cooling of the 6” motor in case of installation inside tanks or containers, or in any location where a minimum cooling flow on the motor cannot be guaranteed.
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.
SUITABLE FOR USE ON S6, SR6 E SM6 ELECTRIC PUMPS COUPLED WITH 6” MOTOR.

	MOTOR POWER		FREQUENCY	MOTOR TYPE		
	HP	kW		6GF - GX	TR6	6GF HEAVY DUTY
SINGLE-PHASE	5	3,7	50-60	KIT L960		
	7,5	5,5				
	10	7,5				
	15	11				
THREE-PHASE	5,5	4		KIT 725	KIT 960	
	7,5	5,5				
	10	7,5		KIT 960		
	12,5	9,2				
	15	11				
	17,5	13			KIT 1220	
	20	15		KIT 960		
	25	18,5				
	30	22		KIT 1220		
	35	26				KIT 1220
	40	30			KIT 1490	
	50	37		KIT 1490		KIT 1490
	60	57				

	MOTOR POWER		FREQUENCY	MOTOR 4GG+SS6
	HP	kW		
SINGLE-PHASE	0,5	0,37	50-60	KIT 725
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5	3,7		KIT 960
	5,5	4		
THREE-PHASE	0,5	0,37		KIT 725
	0,75	0,55		
	1	0,75		
	1,5	1,1		
	2	1,5		
	3	2,2		
	4	3		
	5,5	4		KIT 960
	7,5	5,5		
	10	7,5		KIT 1220

TESLA/DAB motor data



CODE	DESCRIPTION
60144213	**COOLING SLEEVE KIT L. 725**
60144217	**COOLING SLEEVE KIT L. 960**
60144218	**COOLING SLEEVE KIT L. 1.220**
60146397	**COOLING SLEEVE KIT L. 1.490**
60146398	**HORIZONTAL POSITIONING KIT (2 PIECES)**
60146399	**FILTER KIT**

In order to determine the cooling flow speed v [m/s] along the motor liner, the following formula can be used:

$$v = \frac{\frac{Q}{2}}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4}\right)}$$

On the other hand, in order to determine the correct diameter of the cooling liner, to ensure that the minimum required cooling flow condition is met at a certain pump flow level, the following formula can be used:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4}\right)}$$

Q [m^3/s] = flow at the point of operation of the electric pump
v [m/s] = cooling flow speed
D [m] = well diameter
d [m] = motor diameter

INDICATIVE CHOICE OF THE ELECTRIC GENERATOR CAPABLE OF POWERING THE SUBMERSIBLE MOTOR

P2 - MOTOR POWER		GENERATOR			
		DOL (DIRECT START-UP)		SD (STAR-DELTA START-UP)	
kW	Hp	kW	kVA	kW	KVA
2,2	3	6	7,5	-	-
4	5,5	10	12,5	8	10
5,5	7,5	12,5	15,6	11	13,8
7,5	10	15	18,8	14	17,5
9,2	12,5	19	24	17	21
11	15	22,5	28	21	26
13	17,5	26,5	33	24	30
15	20	30	38	28	35
18,5	25	37	46	34	42,5
22	30	45	56	41	51
26	35	52	65	45	57
30	40	60	75	52	65
37	50	75	94	64	81
45	60	90	112	78	97
55	75	110	138	95	119
63	85	135	169	114	142
75	100	150	190	128	160
92	125	185	230	158	198
110	150	210	260	190	237
132	180	260	325	225	281
147	200	300	375	260	325
170	230	340	425	295	369
190	260	380	475	329	411
220	300	440	550	381	476
250	340	500	625	433	541

WINDING RESISTANCE TABLES

In case of single-phase motors, both the running (Rm) and the start-up (Ra) winding resistance are indicated.

SINGLE-PHASE MOTORS

MODEL	P2		V	Rm	Ra
	HP	kW	V	Ω	Ω
3GF - 3GS	0,5	0,37	230	11,25	31,5
	0,75	0,55	230	9,15	28
	1	0,75	230	6,85	17,35

THREE-PHASE MOTORS

MODEL	P2		V	R
	HP	kW	V	Ω
3GF - 3GS	0,5	0,37	400	60,3
	0,75	0,55	400	44,5
	1	0,75	400	32,2

SINGLE-PHASE MOTORS

MODEL	P2		V	Rm	Ra
	HP	kW	V	Ω	Ω
4GG - 4GX	0,5	0,37	230	8,8	18,8
	0,75	0,55	230	5,6	13,5
	1	0,75	230	3,5	6,7
	1,5	1,1	230	2,5	5,4
	2	1,5	230	1,9	5,0
	3	2,2	230	1,6	3,7
	5	3,7	230	0,9	1,7

THREE-PHASE MOTORS

MODEL	P2		V	R
	HP	kW	V	Ω
4GG - 4GX	0,5	0,37	230	11,7
	0,5	0,37	400	35,0
	0,75	0,55	230	8,5
	0,75	0,55	400	25,6
	1	0,75	230	5,8
	1	0,75	400	17,3
	1,5	1,1	230	4,3
	1,5	1,1	400	13,0
	2	1,5	230	3,0
	2	1,5	400	8,9
	3	2,2	230	2,0
	3	2,2	400	6,0
	4	3	230	1,4
	4	3	400	4,2
	5,5	4	230	1,1
	5,5	4	400	3,3
	7,5	5,5	230	0,8
	7,5	5,5	400	2,4
	10	7,5	400	2,0

TECHNICAL APPENDIX

SUBMERSIBLE ELECTRIC PUMPS AND MOTORS

SINGLE-PHASE MOTORS

MODEL	P2		V	Rm	Ra
	HP	kW	V	Ω	Ω
4OL	0,5	0,37	230	9,3	20,3
	0,75	0,55	230	6,5	13,7
	1	0,75	230	4,0	8,6
	1,5	1,1	230	3,0	6,1
	2	1,5	230	2,3	5,0
	3	2,2	230	1,6	3,7

THREE-PHASE MOTORS

MODEL	P2		V	R
	HP	kW	V	Ω
4OL	0,5	0,37	230	14,2
	0,5	0,37	400	42,5
	0,75	0,55	230	8,5
	0,75	0,55	400	25,5
	1	0,75	230	6,3
	1	0,75	400	18,0
	1,5	1,1	230	3,8
	1,5	1,1	400	11,7
	2	1,5	230	2,7
	2	1,5	400	8,3
	3	2,2	230	2
	3	2,2	400	6,2
	4	3	230	1,6
	4	3	400	4,7
	5,5	4	230	1
	5,5	4	400	3
	7,5	5,5	230	0,9
	7,5	5,5	400	2,6
	10	7,5	400	1,9

THREE-PHASE MOTORS

MODEL	P2		V	R
	HP	kW	V	Ω
6GF - 6GS - 6GX	5,5	4	230	0,97
	5,5	4	400	3,00
	5,5	4	400/690	3,00
	7,5	5,5	230	0,64
	7,5	5,5	400	2,00
	7,5	5,5	400/690	2,00
	10	7,5	230	0,51
	10	7,5	400	1,60
	10	7,5	400/690	1,60
	12,5	9,2	230	0,40
	12,5	9,2	400	1,25
	12,5	9,2	400/690	1,25
	15	11	230	0,29
	15	11	400	0,92
	15	11	400/690	0,92
	20	15	230	0,24
	20	15	400	0,65
	20	15	400/690	0,65
	25	18,5	230	0,18
	25	18,5	400	0,55
	25	18,5	400/690	0,55
	30	22	230	0,15
	30	22	400	0,46
	30	22	400/690	0,46
	40	30	400	0,31
	40	30	400/690	0,31
	50	37	400	0,25
	50	37	400/690	0,25

NOTES

INDEX - PRESSURE UNITS

1, 2, 3 KVC - AD PLUS

VARIABLE SPEED PRESSURISATION UNITS WITH ACTIVE DRIVER PLUS

1, 2, 3 KVC - AD Plus are **variable speed** pressurisation units with 1, 2 or 3 vertical axis multistage centrifugal pumps particularly suited for domestic use, and small civil or industrial systems. Thanks to the use of the Active Driver Plus inverter, they offer performance features capable of automatically adapting to the different needs of the systems to meet the **constant pressure** requirements of modern system engineering solutions. The constant pressure adjustment is a requirement in the most varied sectors:
Water pipelines, Irrigation, Industry, Hotel, Residential building, Spas.
Their main features are reliability, simple operation, and minimum maintenance requirements.
Construction features – main components:

- 1 to 3 KVC vertical axis multistage electric pumps (up to 4 pumps on request)
- Galvanized sheet steel base, complete with 4 anti-vibration rubber feet
- Suction and delivery manifolds in stainless steel
- 1 to 3 Active Driver Plus inverters on the delivery port of each pump
- 1 8-litre expansion vessel for each unit (for version 85/120 of 18 litres)
- 1 protection unit for units with 2 and 3 pumps

Operating range from 0.5 to 36 m³/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water.

Liquid temperature range
From 0°C to +40°C.

Maximum ambient temperature +40°C.

Maximum operating pressure PN12 (12 bar).

Protection class IP44.

Special executions on request up to 4 pumps and voltages and frequencies not in the catalog.

Up to 4 pumps on request

All the domestic units with Active Driver Plus have 1 8-litre expansion vessel and delivery and suction manifolds in AISI 304 stainless steel.

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D+ CONNECT PAGE 11

AD PLUS PAGE 47

ACCESSORIES PAGE 429

1 KVC - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H m			
			kW	HP			A	M	
1 KVC A.D. 75/50 M / T	60122640	1 X 230 V ~	1,5	2	0,5-2,4-4,8	94-81-40	1" ¼	1" ¼	39
1 KVC A.D. 65/80 M / T	60122644	1 X 230 V ~	2,2	3	0,7-4,8-9	88-71-31	1" ¼	1" ¼	40
1 KVC A.D. 35/120 M / T	60122645	1 X 230 V ~	1,1	1,5	1,2-6-12	46-37-12	1" ¼	1" ¼	34
1 KVC A.D. 45/120 M / T	60122646	1 X 230 V ~	1,85	2,5	1,2-6-12	62-52-17	1" ¼	1" ¼	35
1 KVC A.D. 60/120 T / T	60122647	3 X 400 V ~	2,2	3	1,2-6-12	78-63-25	1" ¼	1" ¼	39
1 KVC A.D. 85/120 T / T	60122649	3 X 400 V ~	3	4	1,2-6-12	112-90-34	1" ¼	1" ¼	42

2 KVC - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H m			
			kW x 2	HP x 2			A	M	
2 KVC A.D. 30/50 M / T	60122650	1 X 230 V ~	0,55	0,75	0,5-4,8-9,6	41-35-17	2"	2"	76
2 KVC A.D. 55/50 M / T	60122651	1 X 230 V ~	1	1,36	0,5-4,8-9,6	68-58-29	2"	2"	83
2 KVC A.D. 75/50 T / T	60122655	3 X 400 V ~	1,5	2	0,5-4,8-9,6	94-81-40	2"	2"	91
2 KVC A.D. 30/80 M / T	60122656	1 X 230 V ~	0,9	1,2	0,7-9,6-18	37-30-11	2"	2"	80
2 KVC A.D. 30/80 T / T	60122657	3 X 400 V ~	1	1,3	0,7-9,6-18	37-30-11	2"	2"	80
2 KVC A.D. 45/80 M / T	60122659	1 X 230 V ~	1,1	1,5	0,7-9,6-18	65-53-21	2"	2"	89
2 KVC A.D. 45/80 T / T	60122660	3 X 400 V ~	1,5	2	0,7-9,6-18	65-53-21	2"	2"	89
2 KVC A.D. 65/80 T / N	60122661	3 X 400 V ~ +N	2,2	3	0,7-9,6-18	88-71-31	2"	2"	93
2 KVC A.D. 65/80 T / T	60122662	3 X 400 V ~	2,2	3	0,7-9,6-18	88-71-31	2"	2"	93
2 KVC A.D. 35/120 M / T	60122663	1 X 230 V ~	1,1	1,5	1,2-12-24	46-37-12	2"	2"	81
2 KVC A.D. 45/120 M / T	60122665	1 X 230 V ~	1,85	2,5	1,2-12-24	62-52-17	2"	2"	83
2 KVC A.D. 45/120 T / T	60122666	3 X 400 V ~	1,85	2,5	1,2-12-24	62-52-17	2"	2"	83
2 KVC A.D. 60/120 T / T	60122667	3 X 400 V ~	2,2	3	1,2-12-24	78-63-25	2"	2"	89
2 KVC A.D. 70/120 T / T	60122668	3 X 400 V ~	3	4	1,2-12-24	95-78-31	2"	2"	95
2 KVC A.D. 85/120 T / T	60122669	3 X 400 V ~	3	4	1,2-12-24	112-90-34	2"	2"	97

DAB WATER•TECHNOLOGY

1, 2, 3 KVC - AD PLUS

VARIABLE SPEED PRESSURISATION UNITS WITH ACTIVE DRIVER PLUS

3 KVC - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m	A	M	
			kW x 3	HP x 3					
3 KVC A.D. 30/50 M / T	60122670	1 X 230 V ~	0,55	0,75	0,5-7,2-14,4	41-35-17	2" ½	2" ½	97
3 KVC A.D. 75/50 T / N	60122672	3 X 400 V ~ +N	1,5	2	0,5-7,2-14,4	94-81-40	2" ½	2" ½	97
3 KVC A.D. 30/80 T / N	60122673	3 X 400 V ~ +N	0,9	1,2	0,7-14,4-27	37-30-11	2" ½	2" ½	97
3 KVC A.D. 40/80 T / N	60140189	3 X 400 V ~ +N	1	1,3	0,7-14,4-27	50-39-13	2" ½	2" ½	97
3 KVC A.D. 45/80 T / N	60122674	3 X 400 V ~ +N	1,1	1,5	0,7-14,4-27	65-53-21	2" ½	2" ½	97
3 KVC A.D. 65/80 T / N	60122675	3 X 400 V ~ +N	2,2	3	0,7-14,4-27	88-71-31	2" ½	2" ½	97
3 KVC A.D. 35/120 T / T	60122677	3 X 400 V ~	1,1	1,5	1,2-18-36	46-37-12	2" ½	2" ½	156
3 KVC A.D. 45/120 T / N	60122678	3 X 400 V ~ +N	1,85	2,5	1,2-18-36	62-52-17	2" ½	2" ½	156
3 KVC A.D. 45/120 T / T	60122679	3 X 400 V ~	1,85	2,5	1,2-18-36	62-52-17	2" ½	2" ½	153
3 KVC A.D. 60/120 T / T	60122680	3 X 400 V ~	2,2	3	1,2-18-36	78-63-25	2" ½	2" ½	153
3 KVC A.D. 70/120 T / T	60122682	3 X 400 V ~	3	4	1,2-18-36	95-78-31	2" ½	2" ½	153
3 KVC A.D. 85/120 T / T	60122683	3 X 400 V ~	3	4	1,2-18-36	112-90-34	2" ½	2" ½	153

(1) Available on request 3x400 V Three-phase version without neutral wire.
The unit is supplied assembled and tested in a sturdy cardboard packaging on wooden pallet and with instruction leaflet with electric diagram.

2 JET, 2 EURO, 2 EURO INOX - AD PLUS

VARIABLE SPEED PRESSURISATION UNITS WITH ACTIVE DRIVER PLUS

2 Jet, 2 Euro, 2 Euro Inox - AD Plus are **variable speed** pressurisation units with 2 horizontal axis centrifugal pumps particularly suited for domestic use, and small civil or industrial systems. Thanks to the use of the Active Driver Plus inverter, they offer performance features capable of automatically adapting to the different needs of the systems to meet the constant pressure requirements of modern system engineering solutions.
The **constant pressure** adjustment is a requirement in the most varied sectors:
Water pipelines, Irrigation, Industry, Hotel, Residential building, Spas.
Their main features are reliability, simple operation, and minimum maintenance requirements.

Construction features – main components:
- **2 Jet - AD Plus** has 2 Jet self-priming horizontal axis pumps with cast iron pump body
- **2 Euro - AD Plus** has 2 Euro self-priming horizontal axis pumps with cast iron pump body
- **2 Euro Inox - AD Plus** has 2 Euro Inox self-priming horizontal axis multistage pumps with stainless steel pump body
- Tropicalized sheet steel base, complete with 4 anti-vibration rubber feet
- Suction and delivery manifolds in galvanized steel (in stainless steel for 2 Euro Inox - AD Plus)
- 2 Active Driver Plus inverters on the delivery port of each pump
- 1 8-litre expansion vessel for each unit
- 1 protection control unit

Operating range from 0.4 to 15 m^3/h.
Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water.
Liquid temperature range
From 0°C to +40°C.
Maximum ambient temperature +40°C.
Maximum operating pressure PN10 (10 bar).
Protection class IP44.
Special executions on request
Voltages and/or frequencies not on the general catalogue.

Including 1 8-litre expansion vessel

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2 JET - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m	A	M	
			kW X 2	HP X 2					
2JET AD 132 M / T	500140040	1 X 230 V ~	1	1,36	0,6-9,6	45,6-27,2	2"	1" ½	56
2JET AD 151 M / T	500140070	1 X 230 V ~	1,1	1,5	0,6-9	58-38	2"	1" ½	96
2JET AD 251 M / T	500140090	1 X 230 V ~	1,85	2,5	0,6-14,4	60-34,2	2"	1" ½	105

2 EURO, EURO INOX - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m^3/h	H m	A	M	
			kW x 2	HP x 2					
2EURO AD 40/80 M / T	500140280	1 X 230 V ~	1	1,36	0,6-14,4	58-16	2"	1" ½	57
2EUROINOX AD 40/80 M / T	500140380	1 X 230 V ~	1	1,36	0,6-14,4	58-14	2"	1" ½	57
2EURO AD 50/50 M / T	500140260	1 X 230 V ~	1	1,36	0,6-9,6	68-26,5	2"	1" ½	57
2EUROINOX AD 50/50 M / T	500140360	1 X 230 V ~	1	1,36	0,6-9,6	68-26	2"	1" ½	57

1, 2, 3 KVE - ADAC

VARIABLE SPEED PRESSURISATION UNITS WITH ADAC

1, 2, 3 KVE - ADAC are variable speed pressurisation units with 1, 2 or 3 vertical axis multistage centrifugal pumps particularly suited for domestic use, and small civil, agricultural, or industrial systems for **applications with hot water up to 90°C**. The use of vertical axis multistage centrifugal electric pumps ensures high performance results. Their main features are limited space requirements, sturdiness and absolute reliability. Thanks to the use of the ADAC inverter, they offer performance features capable of automatically adapting to the different needs of the systems to meet the constant pressure requirements of modern system engineering solutions.

Construction features – main components:
- 1 to 3 KV vertical axis multistage electric pumps
- Galvanized sheet steel base, complete with 4 anti-vibration rubber feet
- Suction and delivery manifolds in galvanized steel with caps
- Delivery and suction on-off ball valves
- Check valves on the suction ports of each pump
- 1 8-litre expansion vessel for each unit
- 1 protection control unit
- 1 to 3 ADAC inverters on the pump

Operating range from 0.5 to 42 m³/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water.

Liquid temperature range
From 0°C to +90°C.

Maximum ambient temperature +40°C.

Maximum operating pressure PN16 (16 bar).

Protection class IP44.

Special executions on request
Voltages and/or frequencies not on the catalogue.

Including 1 8-litre expansion vessel

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MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H bar	A	M	
			kW X 2	HP X 2					
1KVE 10/6 M ADAC	60185041	1 x 230 V	1 x 1,85	1 x 2,5	0,5 - 12	55 - 25	1" 1/4	1" 1/2	38
2KVE 6/7 T+N ADAC	60170226	3 x 400 + N	2 x 1,1	2 x 1,5	2 - 16	60 - 20	2"	2"	100
2KVE 6/15 T+N ADAC	60183072	3 x 400 + N	2 x 2,2	2 x 3,0	2 - 16	132 - 38	2"	2"	116
2KVE 10/5 T+N ADAC	60170229	3 x 400 + N	2 x 1,5	2 x 2	3 - 29	50 - 25	2"	2"	101
2KVE 10/6 T+N ADAC	60170230	3 x 400 + N	2 x 1,85	2 x 2,5	3 - 29	55 - 20	2"	2"	104
2KVE 10/8 T ADAC	60170231	3 x 400 V	2 x 2,2	2 x 3	3 - 29	70 - 30	2"	2"	122
3KVE 10/6 T+N ADAC	60185042	3 x 400 V + N	3 x 1,85	3 x 2,5	4 - 40	55 - 25	DN80	DN80	200
3KVE 10/8 T ADAC	60185043	3 x 400 V	3 x 2,2	3 x 3,0	4 - 40	75 - 30	DN80	DN80	220

The unit is supplied assembled and tested in a sturdy cardboard packaging on wooden pallet and with instruction leaflet with electric diagram.

2, 3 KVCXE - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SET WITH MCE-P VARIABLE FREQUENCY DRIVE AND DCONNECT

Booster set with 2 or 3 KVCX pumps with one MCE-P variable frequency drive for pump installed as standard. The booster set is designed to increase pressure in commercial building service and for activities in agriculture and irrigation. Limited size thanks to the use of vertical pumps. There is one expansion tank per group. Base in galvanized sheet metal with anti-vibration rubber feet. Inlet and outlet manifolds in galvanized steel. Suction check valves for each pump. Possibility of remote control thanks to the DConnect service.

DConnect Box (installed in a IP 65 panel) included as standard.

The cloud service is manageable from the internetofpumps.com website or from the DConnect App (for Android or iOS) it is possible to control installations even remotely and receive alarms in real time through an extremely functional and clear user interface.

Operating range from 0,5 to 36 m^3/h with head of up to 112 m.

Pumped liquid Clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Liquid temperature range from 0°C to +40°C.

Maximum ambient temperature +40°C.

Maximum operating pressure 12 bar / 1200 kPa.

Protection class IP55.

Special executions on request different voltages or frequencies, units with up to four pumps.

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MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q	H			
			kW X 2	HP X 2	m^3/h	bar	A	M	
2KVCXE 45/80 T+N MCE/P DCONNECT	60198586	3 X 400 V ~ +N	2 x 1,1	2 x 1,5	0,7-9,6-18	65-53-21	2"	2"	148,6
2KVCXE 35/120 T+N MCE/P DCONNECT	60198587	3 X 400 V ~ +N	2 x 1,1	2 x 1,5	1,2-12-24	46-37-12	2"	2"	148,5
2KVCXE 45/120 T+N MCE/P DCONNECT	60198588	3 X 400 V ~ +N	2 x 1,85	2 x 2,5	1,2-12-24	62-52-17	2"	2"	148,7
2KVCXE 60/120 T MCE/P DCONNECT	60198589	3 X 400 V ~	2 x 2,2	2 x 3	1,2-12-24	78-63-25	2"	2"	148,7
3KVCXE 45/120 T+N MCE/P DCONNECT	60198591	3 X 400 V ~ +N	3 x 1,85	3 x 2,5	1,2-18-36	62-52-17	2"½	2"½	168,5
3KVCXE 60/120 T MCE/P DCONNECT	60198592	3 X 400 V ~	3 x 2,2	3 x 3	1,2-18-36	78-63-25	2"½	2"½	169,5

1, 2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED PRESSURISATION UNITS WITH MCE

DAB's new NKVE units with pumps are variable speed pressurisation units for the recirculation of water for pressurisation in civil and commercial environments and irrigation systems also for agriculture.
The NKVE units have 1, 2, 3 or 4 NKV multi-impeller pumps with MCE-P inverter installed as standard.
For all the models with NKV 10, 15, 20 S, the parts in contact with the liquid are made of AISI 304 stainless steel. The models with NKV 32, 45 have the pump body and upper flange in cataphoretic paint coated cast iron, and the impellers, diffusers and pump liner in AISI 304 stainless steel.
The MCE-P inverter installed on the pump permits constant pressure. There is a protection controller for each unit. Delivery check valve, pressure transmitter and expansion vessel for each pump. Suction and delivery manifolds in AISI 304 stainless steel.
Version X on request with materials in contact with the water made in AISI 316 stainless steel.
The units are provided already assembled, set up and tested directly at the factory, and with the installation and maintenance instructions and test report.
Pumps coupled by rigid coupling to IE3 high energy efficiency electric motors.

Operating range from 0.5 a 280 m^3/h with head of up to 140 metres.

Pumped liquid Clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Liquid temperature range from 0°C to +120°C (80°C with expansion vessel installed).

Maximum ambient temperature +50°C.

Maximum operating pressure 16 bar / 1600 kPa.

Protection class IP55.

Special executions on request Yes, different voltages or frequencies or support for certain liquids, units with up to six pumps, **version X with material in contact with water in AISI 316. The units are provided already assembled, set up and tested directly at the factory, and with the installation and maintenance instructions and test report.**

The units comprise 1 x 18-litre expansion vessel for each pump and delivery and suction manifolds in AISI 304 stainless steel

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1 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A						
			kW	HP							
1NKVE 10/7 S T MCE 400-50	60170559	3 X 400V ~	3	4	5,8	13	7	6	1"1/2	2"	115
1NKVE 10/9 S T MCE 400-50	60170560	3 X 400V ~	3	4	7,1	13	9	7,7	1"1/2	2"	123
1NKVE 10/12 S T MCE 400-50	60170561	3 X 400 V ~	4	5,5	10,1	13	12	10	1"1/2	2"	137
1NKVE 10/15 S T MCE 400-50	60170562	3 X 400 V ~	5,5	7,5	12,6	13	14	10	1"1/2	2"	150
1NKVE 15/6 S T MCE 400-50	60170563	3 X 400 V ~	5,5	7,5	12,6	24	7,5	6,5	2"	2"1/2	160
1NKVE 15/8 S T MCE 400-50	60170564	3 X 400 V ~	7,5	10	17	24	11	10	2"	2"1/2	175
1NKVE 15/10 S T MCE 400-50	60170565	3 X 400 V ~	11	15	24,8	24	13	12	2"	2"1/2	190
1NKVE 20/5 S T MCE 400-50	60170566	3 X 400 V ~	5,5	7,5	12,9	29	7	6	2"	2"1/2	165
1NKVE 20/6 S T MCE 400-50	60170567	3 X 400 V ~	7,5	10	16,5	29	8,5	7,5	2"	2"1/2	200
1NKVE 20/8 S T MCE 400-50	60170568	3 X 400 V ~	11	15	24,8	29	11,5	10	2"	2"1/2	220

1, 2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED PRESSURISATION UNITS WITH MCE

2 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A						
			kW	HP							
2NKVE 10/5 S T MCE 400-50	60148092	3 X 400V ~	2x2.2	2x3	2x3,8	26	5	4.0	2" ½	2" ½	186
2NKVE 10/6 S T MCE 400-50	60151474	3 X 400V ~	2x2.2	2x3	2x5,8	26	6	5.0	2" ½	2" ½	187
2NKVE 10/7 S T MCE 400-50	60148094	3 X 400 V ~	2x3	2x4	2x5,8	26	7	6	2" ½	2" ½	214
2NKVE 10/8 S T MCE 400-50	60148095	3 X 400 V ~	2x3	2x4	2x7,37	26	8	6.5	2" ½	2" ½	216
2NKVE 10/9 S T MCE 400-50	60148096	3 X 400 V ~	2x3	2x4	2x7,1	26	9	7.7	2" ½	2" ½	218
2NKVE 10/10 S T MCE 400-50	60148097	3 X 400 V ~	2x4	2x5.5	2x10,1	26	10	8.5	2" ½	2" ½	237
2NKVE 10/12 S T MCE 400-50	60148098	3 X 400 V ~	2x4	2x5.5	2x10,1	26	12	10	2" ½	2" ½	240
2NKVE 10/15 S T MCE 400-50	60148099	3 X 400 V ~	2x5.5	2x7.5	2x12,6	26	14	10	2" ½	2" ½	298
2NKVE 15/3 S T MCE 400-50	60207726	3 X 400 V ~	2x2,2	2x3	2,5x8	48	4	3.5	100	80	238
2NKVE 15/4 S T MCE 400-50	60207639	3 X 400 V ~	2x3	2x4	2x7,37	48	5	4	100	80	258
2NKVE 15/5 S T MCE 400-50	60148102	3 X 400 V ~	2x4	2x5.5	2x10,1	48	6.5	5	100	80	261
2NKVE 15/6 S T MCE 400-50	60148103	3 X 400 V ~	2x5.5	2x7.5	2x12,6	48	7.5	6.5	100	80	317
2NKVE 15/7 S T MCE 400-50	60148104	3 X 400 V ~	2x5.5	2x7.5	2x13,1	48	9	8	100	80	319
2NKVE 15/8 S T MCE 400-50	60148115	3 X 400 V ~	2x7.5	2x10	2x17	48	11	10	100	80	344
2NKVE 15/9 S T MCE 400-50	60148105	3 X 400 V ~	2x7.5	2x10	2x17,6	48	12	11	100	80	347
2NKVE 15/10 S T MCE 400-50	60148106	3 X 400 V ~	2x11	2x15	2x24,8	48	13	12	100	80	459
2NKVE 20/3 S T MCE 400-50	60148107	3 X 400 V ~	2x4	2x5.5	2x7,1	58	4	3.5	100	80	228
2NKVE 20/4 S T MCE 400-50	60148108	3 X 400 V ~	2x5.5	2x7.5	2x10,1	58	6	5	100	80	256
2NKVE 20/5 S T MCE 400-50	60148109	3 X 400 V ~	2x5.5	2x7.5	2x12,9	58	7	6	100	80	260
2NKVE 20/6 S T MCE 400-50	60148110	3 X 400 V ~	2x7.5	2x10	2x16,5	58	8.5	7.5	100	80	284
2NKVE 20/7 S T MCE 400-50	60148111	3 X 400 V ~	2x7.5	2x10	2x16,5	58	10	9	100	80	286
2NKVE 20/8 S T MCE 400-50	60148112	3 X 400 V ~	2x11	2x15	2x24,8	58	11.5	10	100	80	350
2NKVE 20/9 S T MCE 400-50	60148113	3 X 400 V ~	2x11	2x15	2x24,8	58	13	12	100	80	352
2NKVE 20/10 S T MCE 400-50	60148114	3 X 400 V ~	2x11	2x15	2x24,8	58	14	13	100	80	374
2NKVE 32/2 T MCE 400-50	60166808	3 x 400 V ~	2x5,5	2x7,5	2x12,6	90	4,8	4	125	100	476
2NKVE 32/3-2 T MCE 400-50	60166809	3 x 400 V ~	2x5,5	2x7,5	2x12,6	90	6,0	5	125	100	484
2NKVE 32/3 T MCE 400-50	60166810	3 x 400 V ~	2x7,5	2x10	2x16,5	90	7,3	6	125	100	506
2NKVE 32/4 T MCE 400-50	60166811	3 x 400 V ~	2x11	2x15	2x24,8	90	9,8	8	125	100	616
2NKVE 32/5-2 T MCE 400-50	60166812	3 x 400 V ~	2x11	2x15	2x24,8	90	10,9	9	125	100	624
2NKVE 32/5 T MCE 400-50	60166813	3 x 400 V ~	2x15	2x20	2x33,6	90	12,2	10	125	100	652
2NKVE 32/6 T MCE 400-50	60166814	3 x 400 V ~	2x15	2x20	2x33,6	90	14,6	12	125	100	660
2NKVE 45/2-2 T MCE 400-50	60166815	3 x 400 V ~	2x5,5	2x7,5	2x12,6	140	3,8	3	150	125	488
2NKVE 45/2 T MCE 400-50	60166816	3 x 400 V ~	2x7,5	2x10	2x16,5	140	4,8	4	150	125	510
2NKVE 45/3 T MCE 400-50	60166817	3 x 400 V ~	2x11	2x15	2x25,1	140	7,3	6,5	150	125	620
2NKVE 45/4 T MCE 400-50	60166818	3 x 400 V ~	2x15	2x20	2x33,6	140	9,7	8,5	150	125	656

1, 2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED PRESSURISATION UNITS WITH MCE

3 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A						
			kW	HP							
3NKVE 10/5 S T MCE 400-50	60148118	3 X 400 V ~	3x2.2	3x3	3x3,8	39	5	4.0	80	80	425
3NKVE 10/6 S T MCE 400-50	60148119	3 X 400 V ~	3x2.2	3x3	3x5,8	39	6	5.0	80	80	428
3NKVE 10/7 S T MCE 400-50	60148120	3 X 400 V ~	3x3	3x4	3x5,8	39	7	6	80	80	468
3NKVE 10/8 S T MCE 400-50	60148121	3 X 400 V ~	3x3	3x4	3x7,37	39	8	6.5	80	80	471
3NKVE 10/9 S T MCE 400-50	60148122	3 X 400 V ~	3x3	3x4	3x7,1	39	9	7.7	80	80	473
3NKVE 10/10 S T MCE 400-50	60148123	3 X 400 V ~	3x4	3x5.5	3x10,1	39	10	8.5	80	80	503
3NKVE 10/12 S T MCE 400-50	60148124	3 X 400 V ~	3x4	2x5.5	3x10,1	39	12	10	80	80	508
3NKVE 10/15 S T MCE 400-50	60148125	3 X 400 V ~	3x5.5	3x7.5	3x12,6	39	14	10	80	80	593
3NKVE 15/3 S T MCE 400-50	60207731	3 X 400 V ~	3x2,2	3x3	3x5,8	72	4	3.5	125	100	486
3NKVE 15/4 S T MCE 400-50	60207686	3 X 400 V ~	3x3	3x4	3x7,37	72	5	4	125	100	516
3NKVE 15/5 S T MCE 400-50	60148128	3 X 400 V ~	3x4	3x5.5	3x10,1	72	6.5	5	125	100	520
3NKVE 15/6 S T MCE 400-50	60148129	3 X 400 V ~	3x5.5	3x7.5	3x12,6	72	7.5	6.5	125	100	605
3NKVE 15/7 S T MCE 400-50	60148130	3 X 400 V ~	3x5.5	3x7.5	3x13,1	72	9	8	125	100	608
3NKVE 15/8 S T MCE 400-50	60148131	3 X 400 V ~	3x7.5	3x10	3x17	72	11	10	125	100	645
3NKVE 15/9 S T MCE 400-50	60148132	3 X 400 V ~	3x7.5	3x10	3x17,6	72	12	11	125	100	649
3NKVE 15/10 S T MCE 400-50	60148133	3 X 400 V ~	3x11	3x15	3x24,8	72	13	12	125	100	818
3NKVE 20/3 S T MCE 400-50	60148134	3 X 400 V ~	3x4	3x5.5	3x7,1	87	4	3.5	125	100	471
3NKVE 20/4 S T MCE 400-50	60148135	3 X 400 V ~	3x5.5	3x7.5	3x10,1	87	6	5	125	100	513
3NKVE 20/5 S T MCE 400-50	60148136	3 X 400 V ~	3x5.5	3x7.5	3x12,9	87	7	6	125	100	519
3NKVE 20/6 S T MCE 400-50	60148137	3 X 400 V ~	3x7.5	3x10	3x16,5	87	8.5	7.5	125	100	556
3NKVE 20/7 S T MCE 400-50	60148138	3 X 400 V ~	3x7.5	3x10	3x16,5	87	10	9	125	100	559
3NKVE 20/8 S T MCE 400-50	60148139	3 X 400 V ~	3x11	3x15	3x24,8	87	11.5	10	125	100	655
3NKVE 20/9 S T MCE 400-50	60148140	3 X 400 V ~	3x11	3x15	3x24,8	87	13	12	125	100	658
3NKVE 20/10 S T MCE 400-5	60148141	3 X 400 V ~	3x11	3x15	3x24,8	87	14	13	125	100	691
3NKVE 32/2 T MCE 400-50	60166819	3 x 400 V ~	3x5,5	3x7,5	3x12,6	135	4,8	4	150	125	714
3NKVE 32/3-2 T MCE 400-50	60166820	3 x 400 V ~	3x5,5	3x7,5	3x12,6	135	6,0	5	150	125	726
3NKVE 32/3 T MCE 400-50	60166821	3 x 400 V ~	3x7,5	3x10	3x16,5	135	7,3	6	150	125	759
3NKVE 32/4 T MCE 400-50	60166822	3 x 400 V ~	3x11	3x15	3x24,8	135	9,8	8	150	125	924
3NKVE 32/5-2 T MCE 400-50	60166823	3 x 400 V ~	3x11	3x15	3x24,8	135	10,9	9	150	125	936
3NKVE 32/5 T MCE 400-50	60166824	3 x 400 V ~	3x15	3x20	3x33,6	135	12,2	10	150	125	978
3NKVE 32/6 T MCE 400-50	60166825	3 x 400 V ~	3x15	3x20	3x33,6	135	14,6	12	150	125	990
3NKVE 45/2-2 T MCE 400-50	60166826	3 x 400 V ~	3x5,5	3x7,5	3x12,6	210	3,8	3	200	150	732
3NKVE 45/2 T MCE 400-50	60166827	3 x 400 V ~	3x7,5	3x10	3x16,5	210	4,8	4	200	150	765
3NKVE 45/3 T MCE 400-50	60166828	3 x 400 V ~	3x11	3x15	3x25,1	210	7,3	6,5	200	150	930
3NKVE 45/4 T MCE 400-50	60166829	3 x 400 V ~	3x15	3x20	3x33,6	210	9,7	8,5	200	150	984

1, 2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED PRESSURISATION UNITS WITH MCE

4 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A						
			kW	HP							
4NKVE 10/5 S T MCE 400-50	60163261	3X 400V	4x 2,2	4x3	4x4,9	52	5	4	100	80	327
4NKVE 10/6 S T MCE 400-50	60163262	3X 400V	4x 2,2	4x3	4x5,4	52	6	5	100	80	571
4NKVE 10/7 S T MCE 400-50	60163263	3X 400V	4x3	4x4	4x5,8	52	7	6	100	80	624
4NKVE 10/8 S T MCE 400-50	60163264	3X 400V	4x3	4x4	4x7,1	52	8	6,5	100	80	628
4NKVE 10/9 S T MCE 400-50	60163265	3X 400V	4x3	4x4	4x7,1	52	9	7,7	100	80	631
4NKVE 10/10 S T MCE 400-50	60163266	3X 400V	4x4	4x5,5	4x10,1	52	10	8,5	100	80	671
4NKVE 10/12 S T MCE 400-50	60163267	3X 400V	4x4	4x5,5	4x10,1	52	12	10	100	80	678
4NKVE 15/3 S T MCE 400-50	60207662	3X 400V	4x2,2	4x3	4x5,8	96	4	3,5	150	125	648
4NKVE 15/4 S T MCE 400-50	60207688	3X 400V	4x3	4x4	4x7,1	96	5	4	150	125	688
4NKVE 15/5 S T MCE 400-50	60163270	3X 400V	4x4	4x5,5	4x10,1	96	6,5	5	150	125	694
4NKVE 15/6 S T MCE 400-50	60163271	3X 400V	4x5,5	4x7,5	4x12,6	96	7,5	6,5	150	125	807
4NKVE 15/7 S T MCE 400-50	60163272	3X 400V	4x5,5	4x7,5	4x13,1	96	9	8	150	125	811
4NKVE 15/8 S T MCE 400-50	60163273	3X 400V	4x7,5	4x10	4x17	96	11	10	150	125	860
4NKVE 15/9 S T MCE 400-50	60163274	3X 400V	4x7,5	4x10	4x17,6	96	12	11	150	125	865
4NKVE 15/10 S T MCE 400-50	60163275	3X 400V	4x11	4x15	4x24,8	96	13	12	150	125	919
4NKVE 20/3 S T MCE 400-50	60163276	3X 400V	4x4	4x5,5	4x7,1	116	4	3,5	150	125	628
4NKVE 20/4 S T MCE 400-50	60163277	3X 400V	4x5,5	4x7,5	4x10,1	116	6	5	150	125	684
4NKVE 20/5 S T MCE 400-50	60163278	3X 400V	4x5,5	4x7,5	4x12,9	116	7	6	150	125	692
4NKVE 20/6 S T MCE 400-50	60163279	3X 400V	4x7,5	4x10	4x16,5	116	8,5	7,5	150	125	741
4NKVE 20/7 S T MCE 400-50	60163280	3X 400V	4x7,5	4x10	4x16,5	116	10	9	150	125	745
4NKVE 20/8 S T MCE 400-50	60163281	3X 400V	4x11	4x15	4x24,8	116	11,5	10	150	125	873
4NKVE 20/9 S T MCE 400-50	60163282	3X 400V	4x11	4x15	4x24,8	116	13	12	150	125	877
4NKVE 20/10 S T MCE 400-50	60163283	3X 400V	4x11	4x15	4x24,8	116	14	13	150	125	921
4NKVE 32/2 T MCE 400-50	60166830	3 x 400 V ~	4x5,5	4x7,5	4x12,6	180	4,8	4	200	150	952
4NKVE 32/3-2 T MCE 400-50	60166831	3 x 400 V ~	4x5,5	4x7,5	4x12,6	180	6,0	5	200	150	968
4NKVE 32/3 T MCE 400-50	60166832	3 x 400 V ~	4x7,5	4x10	4x16,5	180	7,3	6	200	150	1012
4NKVE 32/4 T MCE 400-50	60166833	3 x 400 V ~	4x11	4x15	4x24,8	180	9,8	8	200	150	1232
4NKVE 32/5-2 T MCE 400-50	60166834	3 x 400 V ~	4x11	4x15	4x24,8	180	10,9	9	200	150	1248
4NKVE 32/5 T MCE 400-50	60166835	3 x 400 V ~	4x15	4x20	4x33,6	180	12,2	10	200	150	1304
4NKVE 32/6 T MCE 400-50	60166836	3 x 400 V ~	4x15	4x20	4x33,6	180	14,6	12	200	150	1320
4NKVE 45/2-2 T MCE 400-50	60166837	3 x 400 V ~	4x5,5	4x7,5	4x12,6	280	3,8	3	250	200	976
4NKVE 45/2 T MCE 400-50	60166838	3 x 400 V ~	4x7,5	4x10	4x16,5	280	4,8	4	250	200	1020
4NKVE 45/3 T MCE 400-50	60166839	3 x 400 V ~	4x11	4x15	4x25,1	280	7,3	6,5	250	200	1240
4NKVE 45/4 T MCE 400-50	60166840	3 x 400 V ~	4x15	4x20	4x33,6	280	9,7	8,5	250	200	1312

2, 3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SET WITH MCE-P VARIABLE FREQUENCY DRIVE AND DCONNECT

New variable speed booster sets with MCE-P variable frequency drive for pressurization in commercial building service and for irrigation in agriculture. Booster sets with 2 or 3 NKV multi-impeller pumps. The models with NKV 10, 15, 20 S have the parts in contact with the liquid in AISI 304 stainless steel. Models with NKV 32, 45 have the pump body and upper flange in cataphorised cast iron, impellers, diffusers and pump jacket in AISI 304 stainless steel. The MCE-P variable frequency drive is installed on the pump and allows constant pressure. There is a protection switchboard per group. One check valve, one pressure transmitter and one expansion tank for each pump. Steel inlet and outlet manifolds in stainless steel AISI 304. On request it is available the X version with materials in contact with water in AISI 316 stainless steel. The booster sets are supplied assembled, set up and tested directly at the factory and complete with installation, maintenance instructions and test report. Pumps coupled by rigid coupling to a high energy efficiency electric motors (IE3).

DConnect Box (installed in a IP 65 panel) included as standard.

The cloud service is manageable from the internetofpumps.com website or from the DConnect App (for Android or iOS) it is possible to control installations even remotely and receive alarms in real time through an extremely functional and clear user interface.

Operating range up to 280 m³/h with head of up to 102 metres.

Pumped liquid Clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral.

Liquid temperature range from 0°C to +120°C (80°C with expansion vessel installed).

Maximum ambient temperature +50°C.

Maximum operating pressure 16 bar / 1600 kPa.

Protection class IP55.

Special executions on request Yes, different voltages or frequencies or support for certain liquids, units with up to six pumps, **version X with material in contact with water in AISI 316. The units are provided already assembled, set up and tested directly at the factory, and with the installation and maintenance instructions and test report.**

The units comprise 1 x 18-litre expansion vessel for each pump and delivery and suction manifolds in AISI 304 stainless steel

IE3 ≥ 0,75 kW

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2 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL kW	P2 NOMINAL HP	In A						
2NKVE 10/6 T MCE 400 DCONNECT	60198186	3 X 400V ~	2x2.2	2x3	2x5.4	26	6	5.0	2" ½	2" ½	187
2NKVE 10/7 T MCE 400 DCONNECT	60198580	3 X 400 V ~	2x3	2x4	2x7.37	26	7	6	2" ½	2" ½	214
2NKVE 10/8 T MCE 400 DCONNECT	60198183	3 X 400 V ~	2x3	2x4	2x7.37	26	8	6.5	2" ½	2" ½	216
2NKVE 10/10 T MCE 400 DCONNECT	60198581	3 X 400 V ~	2x4	2x5.5	2x10.1	26	10	8.5	2" ½	2" ½	237
2NKVE 10/12 T MCE 400 DCONNECT	60198160	3 X 400 V ~	2x4	2x5.5	2x10.1	26	12	10	2" ½	2" ½	240
2NKVE 15/3 T MCE 400 DCONNECT	60207730	3 X 400 V ~	2x3	2x4	2x7.37	48	4	3.5	100	80	238
2NKVE 15/4 T MCE 400 DCONNECT	60207705	3 X 400 V ~	2x4	2x5.5	2x10.1	48	5	4	100	80	258
2NKVE 15/5 T MCE 400 DCONNECT	60198156	3 X 400 V ~	2x4	2x5.5	2x10.1	48	6.5	5	100	80	261
2NKVE 15/6 T MCE 400 DCONNECT	60198177	3 X 400 V ~	2x5.5	2x7.5	13,1	48	7.5	6.5	100	80	317
2NKVE 15/7 T MCE 400 DCONNECT	60198189	3 X 400 V ~	2x5.5	2x7.5	2x13.1	48	9	8	100	80	319
2NKVE 20/3 T MCE 400 DCONNECT	60198193	3 X 400 V ~	2x4	2x5.5	2x10.1	58	4	3.5	100	80	228
2NKVE 20/4 T MCE 400 DCONNECT	60198197	3 X 400 V ~	2x5.5	2x7.5	2x13.1	58	6	5	100	80	256
2NKV 20/5 T MCE 400 DCONNECT	60198171	3 X 400 V ~	2x5.5	2x7.5	2x13.1	58	7	6	100	80	260
2NKVE 32/3 T MCE 400 DCONNECT	60198176	3 x 400 V ~	2x7,5	2x10	2x17,6	90	7,3	6	125	100	506
2NKVE 45/3 T MCE 400 DCONNECT	60198256	3 x 400 V ~	2x11	2x15	2x25,5	140	7,3	6,5	150	125	620

2, 3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SET WITH MCE-P VARIABLE FREQUENCY DRIVE AND DCONNECT

3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m3/h	MAX PRESSURE OBTAINABLE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		In A						
			kW	HP							
3NKVE 10/9 T MCE 400 DCONNECT	60198290	3 X 400 V ~	3x3	3x4	3x7.37	39	9	7.7	80	80	473
3NKVE 10/10 T MCE 400 DCONNECT	60198239	3 X 400 V ~	3x4	3x5.5	3x10.1	39	10	8.5	80	80	503
3NKVE 10/15 T MCE 400 DCONNECT	60198582	3 X 400 V ~	3x5.5	3x7.5	3x13.1	39	14	10	80	80	593
3NKVE 15/3 T MCE 400 DCONNECT	60207760	3 X 400 V ~	3x3	3x4	3x7.37	72	4	3.5	125	100	486
3NKVE 15/4 T MCE 400 DCONNECT	60207714	3 X 400 V ~	3x4	3x5.5	3x10.1	72	5	4	125	100	516
3NKVE 15/5 T MCE 400 DCONNECT	60198269	3 X 400 V ~	3x4	3x5.5	3x10.1	72	6.5	5	125	100	520
3NKVE 15/7 T MCE 400 DCONNECT	60198583	3 X 400 V ~	3x5.5	3x7.5	3x13.1	72	9	8	125	100	608
3NKVE 20/4 T MCE 400 DCONNECT	60198282	3 X 400 V ~	3x5.5	3x7.5	3x13.1	87	6	5	125	100	513
3NKVE 20/5 T MCE 400 DCONNECT	60198245	3 X 400 V ~	3x5.5	3x7.5	3x13.1	87	7	6	125	100	519
3NKVE 20/7 T MCE 400 DCONNECT	60198584	3 X 400 V ~	3x7.5	3x10	3x17.6	87	10	9	125	100	559
3NKVE 32/3 T MCE 400 DCONNECT	60198260	3 x 400 V ~	3x7,5	3x10	3x17,6	135	7,3	6	150	125	759

AQUATWIN TOP

PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM

Pressurization group for systems management and reuse of rainwater with 2 centrifugal pumps type Euro Inox or Jet Inox. Complete with water reserve tank up to 150L implemented in the system. For medium to large systems.

CONTROL PANEL

Automatic inverter for exchanging the order of pump starting at each start. General breaker switch. PLC for the management and monitoring of reserve water supplies. Low voltage auxiliary circuit complete with transformer, protection fuses and a three-way electric valves for switching rainwater tanks - public water network.

AQUATWIN comes with a black, cataphorised steel structure, tank capacity up to 150L public network water accumulation, stainless steel storage delivery manifold with shut-off valve, expansion tank up to 8L. Including "Air gap", connection system to public water network according to UNI EN 1717: Protection against pollution of potable water in water installations and requirements of devices to prevent pollution from backflow.

Line voltage 230 V single phase.
Voltage of electric pump 230 V single phase.
Power frequency 50 Hz.
Installation vertical only.
Pumped liquid temperature range From 0°C to +40°C.
Maximum ambient temperature 40°C.
Max pressure 5,5bar.
Pumped liquid clean, free from solids.
Pressure regulation range 3 to 5 bar.
Suction diameter (DNA) 1".
Delivery diameter (DNM) 1"1/2.
Protection class IP44.

SINGLE-PHASE MOTORS | P2 | ≥120 W | IE2

ONLY FOR EXTRA EU MARKETS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL kW X 2	P2 NOMINAL HP X 2	In A	Q m³/h	H m	A	M	
AQUATWIN TOP 132	60162096	1 X 230 V ~	1,49	1	1,36	6,6	0,6-9,6	47,5-27,5	1"	1"½	113
AQUATWIN TOP 4050	60213077	1 X 230 V ~	1,11	0,85	1,15	4,8	0,6-9,6	57,6-19	1"	1"½	113
AQUATWIN TOP 4050	60162095	1 X 230 V ~	1,200	0,75	1	5,3	0,6-9,6	57,6-19	1"	1"½	113
AQUATWIN TOP 4080	60213087	1 X 230 V ~	1,32	0,85	1,15	5,5	0,6-14,2	59-16,5	1"	1"½	115
AQUATWIN TOP 4080	60151634	1 X 230 V ~	1,48	1	1,36	6,3	0,6-14,2	59-16,5	1"	1"½	115

1, 2, 3 KVC

SET WITH 1, 2, 3 VERTICAL MULTISTAGE CENTRIFUGAL PUMPS

1, 2, 3 KVC are fixed speed pressurisation units with 1, 2 or 3 vertical axis multistage centrifugal pumps particularly suited for domestic use, and small civil or industrial systems. The use of the electric panel (units with 2 and 3 pumps) guarantees automatic switching of the pumps, control at the main switch and protection of the electric pumps with thermal magnetic circuit breakers.
EBox panel with display for the 2 KVC units.

Their main features are reliability, simple operation, and minimum maintenance requirements.

Construction features – main components:
1 to 3 KVC vertical axis multistage electric pumps.
Tropicalized sheet steel base, complete with 4 anti-vibration rubber feet.
Suction and delivery manifolds in stainless steel.
Control:
- 1 KVC --> the single-phase version has a 2-pole pressure switch with power input plug; while the three-phase version has a remote motor protector control panel with reset button.
- 2 KVC --> with EBox D panel with display.
- 3 KVC --> with E3G panel with pressure switches.

Operating range from 1 to 36 m³/h.

Pumped liquid Clean, free of solids and abrasives, not viscous, not crystallised and chemically neutral, with properties similar to water.

Liquid temperature range
From 0°C to +40°C.

Maximum ambient temperature +40°C.

Maximum operating pressure PN12 (12bar).

Special executions on request
Contact our sales network.

Protection class IP55.

The units comprise 1 x 18-litre expansion vessel for each pump and delivery and suction manifolds in AISI 304 stainless steel

THREE-PHASE MOTORS			
P2	< 0,75 kW	IE2
	≥ 0,75 kW < 75 kW	IE3
	≥ 75 kW	IE4*

* Available soon

D+ CONNECT PAGE 11

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H m	DNA	DNM	
			kW	HP					
1KVC 75/50 M 230-50	60122105	1 X 230 V ~	1,5	2	0,5-2,4-4,8	94-81-40	1"¼	1"½	33
1KVC 55/80 M 230-50	60122109	1 X 230 V ~	1,5	2	0,7-4,8-9	76-61-23	1"¼	1"½	33
1KVC 45/120 M 230-50	60122111	3 X 400 V ~	2,2	3	0,7-4,8-9	88-71-31	1"¼	1"½	34
1KVC 65/80 T 400-50	60179965	1 X 230 V ~	1,85	2,5	1,2-6-12	62-52-17	1"¼	1"½	44
1KVC 70/120 T 400-50	60179966	3 X 400 V ~	3	4	1,2-6-12	95-78-31	1"¼	1"½	38
1KVC 85/120 T 400-50	60179967	3 X 400 V ~	3	4	1,2-6-12	112-90-34	1"¼	1"½	39

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H m	DNA	DNM	
			kW	HP					
2KVC 30/50 M 230-50	60122127	1 X 230 V ~	0,55	0,75	0,5-4,8-9,6	41-35-17	2"	2"	70
2KVC 45/80 M 230-50	60122134	1 X 230 V ~	1,1	1,5	0,7-9,6-18	65-53-21	2"	2"	82
2KVC 55/80 M 230-50	60122135	3 X 400 V ~	1,1	1,5	0,7-9,6-18	65-53-21	2"	2"	82
2KVC 45/120 M 230-50	60122137	1 X 230 V ~	1,5	2	0,7-9,6-18	76-61-23	2"	2"	84
2KVC 45/80 T 400-50 IE3	60179972	3 X 400 V ~	2,2	3	0,7-9,6-18	88-71-31	2"	2"	85
2KVC 65/80 T 400-50 IE3	60179974	1 X 230 V ~	1,85	2,5	1,2-12-24	62-52-17	2"	2"	86
2KVC 45/120 T 400-50	60179976	3 X 400 V ~	1,85	2,5	1,2-12-24	62-52-17	2"	2"	86
2KVC 60/120 T 400-50	60179977	3 X 400 V ~	2,2	3	1,2-12-24	78-63-25	2"	2"	90
2KVC 70/120 T 400-50	60179978	3 X 400 V ~	3	4	1,2-12-24	95-78-31	2"	2"	94
2KVC 85/120 T 400-50	60179979	3 X 400 V ~	3	4	1,2-12-24	112-90-34	2"	2"	95

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m³/h	H m	DNA	DNM	
			kW	HP					
3KVC 45/80 T 400-50	60179981	3 X 400 V ~	1,1	1,5	0,7-14,4-27	65-53-21	2"½	2"½	128
3KVC 65/80 T 400-50	60179982	3 X 400 V ~	2,2	3	0,7-14,4-27	88-71-31	2"½	2"½	133
3KVC 45/120 T 400-50	60179983	3 X 400 V ~	1,85	2,5	1,2-18-36	62-52-17	2"½	2"½	134
3KVC 60/120 T 400-50	60179984	3 X 400 V ~	2,2	3	1,2-18-36	78-63-25	2"½	2"½	140
3KVC 70/120 T 400-50	60179985	3 X 400 V ~	3	4	1,2-18-36	95-78-31	2"½	2"½	146
3KVC 85/120 T 400-50	60179986	3 X 400 V ~	3	4	1,2-18-36	112-90-34	2"½	2"½	148

The units are supplied with tanks and air feeder connection.

1, 2, 3, 4 NKV

FIXED SPEED PRESSURISATION UNITS

1, 2, 3, 4 NKV are **variable speed** pressurisation units with 1, 2, 3 or 4 NKV vertical axis multistage centrifugal pumps in stainless steel, suitable for water systems of medium and large users.
The use of vertical axis multistage centrifugal electric pumps ensures high performance results.
All the parts in contact with the liquid are rust-proof.

Construction features - main components:
- 1 to 4 NKV vertical axis multistage electric pumps in stainless steel;
- Suction and delivery manifolds in AISI 304 stainless steel;
- Delivery and suction on-off valves for each pump;
- Check valves on the delivery ports of each pump;
- 1 electric control panel with direct start up to 7.5 kW included, star-triangle start for higher voltages. AUT-0-MAN operation selectors and operation notification lamps on the front of the panel;
- 1 18-litre expansion vessel for each pump;
- 1 pressure transmitter for each pump.

The units are provided already assembled, set up and tested directly at the factory, and with the installation and maintenance instructions and test report.

Operating range from 0.5 to 280 m³/h.
Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water..
Liquid temperature range from 0°C to +120°C (80°C with expansion vessel installed).
Maximum ambient temperature +50°C.
Maximum operating pressure
PN16 (up to PN25 on request).
Protection class IP55.
(IP55 motors on request).
Special executions on request
Voltages and/or frequencies not on the catalogue.
Version "X", components in contact with the water made in AISI 316 stainless steel.

The units comprise 1 x 18-litre expansion vessel for each pump and delivery and suction manifolds in AISI 304 stainless steel

THREE-PHASE MOTORS			
	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

MODEL	CODE
1NKV 10/5 S T	60180242
1NKV 10/6 S T	60180243
1NKV 10/7 S T	60180244
1NKV 10/8 S T	60180245
1NKV 10/9 S T	60180249
1NKV 10/10 S T	60180250
1NKV 10/12 S T	60180251
1NKV 10/15 S T	60180252
1NKV 15/3 S T	60207799
1NKV 15/4 S T	60207772
1NKV 15/5 S T	60180255
1NKV 15/6 S T	60180256
1NKV 15/7 S T	60180257
1NKV 15/8 S T	60169613
1NKV 15/9 S T	60169614
1NKV 15/10 S T	60169615
1NKV 20/3 S T	60180258
1NKV 20/4 S T	60180259
1NKV 20/5 S T	60180260
1NKV 20/6 S T	60169616
1NKV 20/7 S T	60169617
1NKV 20/8 S T	60169618
1NKV 20/9 S T	60169620
1NKV 20/10 S T	60169623
1NKV 32/2-2 T	60180261
1NKV 32/2 T	60180262
1NKV 32/3-2 T	60180263
1NKV 32/3 T	60169626
1NKV 32/4-2 T	60169628
1NKV 32/4 T	60169629
1NKV 32/5-2 T	60169630
1NKV 32/5 T	60169662
1NKV 32/6-2 T	60169664
1NKV 32/6 T	60169665
1NKV 45/2-2 T	60180264
1NKV 45/2 T	60169666
1NKV 45/3-2 T	60169667
1NKV 45/3 T	60169668
1NKV 45/4-2 T	60169669
1NKV 45/4 T	60169670
1NKV 45/5-2 T	60169671
1NKV 45/5 T	60169672
1NKV 45/6-2 T	60169673
1NKV 45/6 T	60169675

MODEL	CODE
2NKV 10/5 S T	60180265
2NKV 10/6 S T	60180266
2NKV 10/7 S T	60180267
2NKV 10/8 S T	60180268
2NKV 10/9 S T	60180269
2NKV 10/10 S T	60180270
2NKV 10/12 S T	60180271
2NKV 10/15 S T	60180272
2NKV 15/3 S T	60207814
2NKV 15/4 S T	60207803
2NKV 15/5 S T	60180275
2NKV 15/6 S T	60180276
2NKV 15/7 S T	60180277
2NKV 15/8 S T	60169709
2NKV 15/9 S T	60169710
2NKV 15/10 S T	60169711
2NKV 20/3 S T	60180278
2NKV 20/4 S T	60180279
2NKV 20/5 S T	60180280
2NKV 20/6 S T	60169722
2NKV 20/7 S T	60169724
2NKV 20/8 S T	60169725
2NKV 20/9 S T	60169726
2NKV 20/10 S T	60169727
2NKV 32/2-2 T	60180281
2NKV 32/2 T	60180282
2NKV 32/3-2 T	60180283
2NKV 32/3 T	60169728
2NKV 32/4-2 T	60169729
2NKV 32/4 T	60169730
2NKV 32/5-2 T	60169731
2NKV 32/5 T	60169732
2NKV 32/6-2 T	60169733
2NKV 32/6 T	60169734
2NKV 45/2-2 T	60180284
2NKV 45/2 T	60169735
2NKV 45/3-2 T	60169736
2NKV 45/3 T	60169737
2NKV 45/4-2 T	60169738
2NKV 45/4 T	60169739
2NKV 45/5-2 T	60169740
2NKV 45/5 T	60169741
2NKV 45/6-2 T	60169743
2NKV 45/6 T	60169744

MODEL	CODE
3NKV 10/5 S T	60180285
3NKV 10/6 S T	60180286
3NKV 10/7 S T	60180287
3NKV 10/8 S T	60180288
3NKV 10/9 S T	60180289
3NKV 10/10 S T	60180290
3NKV 10/12 S T	60180291
3NKV 10/15 S T	60180292
3NKV 15/3 S T	60207827
3NKV 15/4 S T	60207805
3NKV 15/5 S T	60180295
3NKV 15/6 S T	60180296
3NKV 15/7 S T	60180297
3NKV 15/8 S T	60169770
3NKV 15/9 S T	60169771
3NKV 15/10 S T	60169776
3NKV 20/3 S T	60180298
3NKV 20/4 S T	60180299
3NKV 20/5 S T	60180300
3NKV 20/6 S T	60169778
3NKV 20/7 S T	60169779
3NKV 20/8 S T	60169780
3NKV 20/9 S T	60169781
3NKV 20/10 S T	60169782
3NKV 32/2-2 T	60180301
3NKV 32/2 T	60180302
3NKV 32/3-2 T	60180303
3NKV 32/3 T	60169783
3NKV 32/4-2 T	60169784
3NKV 32/4 T	60169785
3NKV 32/5-2 T	60169786
3NKV 32/5 T	60169787
3NKV 32/6-2 T	60169788
3NKV 32/6 T	60169789
3NKV 45/2-2 T	60180304
3NKV 45/2 T	60169790
3NKV 45/3-2 T	60169792
3NKV 45/3 T	60169793
3NKV 45/4-2 T	60169794
3NKV 45/4 T	60169795
3NKV 45/5-2 T	60169796
3NKV 45/5 T	60169797
3NKV 45/6-2 T	60169798
3NKV 45/6 T	60169799

MODEL	CODE
4NKV 10/5 S T	60180306
4NKV 10/6 S T	60180307
4NKV 10/7 S T	60180309
4NKV 10/8 S T	60180311
4NKV 10/9 S T	60180314
4NKV 10/10 S T	60180315
4NKV 10/12 S T	60180316
4NKV 15/3 S T	60207830
4NKV 15/4 S T	60207808
4NKV 15/5 S T	60180319
4NKV 15/6 S T	60180320
4NKV 15/7 S T	60180322
4NKV 15/8 S T	60169829
4NKV 15/9 S T	60169827
4NKV 15/10 S T	60169828
4NKV 20/3 S T	60180324
4NKV 20/4 S T	60180325
4NKV 20/5 S T	60180326
4NKV 20/6 S T	60169832
4NKV 20/7 S T	60169833
4NKV 20/8 S T	60169834
4NKV 20/9 S T	60169835
4NKV 20/10 S T	60169836
4NKV 32/2-2 T	60180329
4NKV 32/2 T	60180330
4NKV 32/3-2 T	60180331
4NKV 32/3 T	60169830
4NKV 32/4-2 T	60169831
4NKV 32/4 T	60169837
4NKV 32/5-2 T	60169838
4NKV 32/5 T	60169839
4NKV 32/6-2 T	60169840
4NKV 32/6 T	60169841
4NKV 45/2-2 T	60180332
4NKV 45/2 T	60169842
4NKV 45/3-2 T	60169843
4NKV 45/3 T	60169844
4NKV 45/4-2 T	60169845
4NKV 45/4 T	60169846
4NKV 45/5-2 T	60169847
4NKV 45/5 T	60169848
4NKV 45/6-2 T	60169849
4NKV 45/6 T	60169850

2 NKV 10, 15, 20 - EBOX

PRESSURIZATION GROUPS WITH 2 MULTISTAGE CENTRIFUGAL PUMPS WITH A VERTICAL AXIS

Construction features - Groups with 2 pumps

- Groups consisting of N. 2 main electric pumps centrifugal multistage on a vertical axis NKV.
- Impellers in stainless steel AISI 304, all parts in contact with liquid are stainless.
- Three phase asynchronous motor, motor-pump by means of a rigid coupling.
- Pumps mounted on a single base in galvanized steel.

HYDRAULIC GROUP

Intake Manifold Inox, Stainless steel manifold, pressure transducer, electrical control panel, n. 2 expansion tanks, each suction pump with inlet shutoff valves, each pump with outlet shutoff and check valves.

ELECTRICAL CONTROL PANEL

EBox IP 54 switchboard mounted on the crankcase pumps. Direct start up to 5.5 kw including, front panel switches for AUT-0-MAN operation, warning lights.

Line voltage 400V three phase.
Voltage of electric pump 400V three phase.
Power frequency 50-60 Hz.
Installation vertical only.
Operating range from 4 to 280 m³/h.
Pumped liquid temperature range
From 0°C to +120°C
(80°C with expansion vessel installed).
Maximum ambient temperature 50°C.
Max pressure 16 bar.
Pumped liquid clean, free of solids.
Pressure control range from 3 to 14 bar.
Protection class IP55.

The units comprise 1 x 18-litre expansion vessel for each pump and delivery and suction manifolds in AISI 304 stainless steel

THREE-PHASE MOTORS			
	P2	<0,75 kW	IE2
		≥0,75 kW <75 kW	IE3
		≥75 kW	IE4*

* Available soon

D+ CONNECT PAGE 11

MODEL	CODE	ELECTRICAL DATA			Ø		WEIGHT Kg
		VOLTAGE	P2 NOMINAL		DNA	DNM	
			kW	HP			
2NKV 10/5 T S EBOX 400/50	60180333	3 x 400 50Hz	2x1,5	2x2	2" 1/2	2" 1/2	238
2NKV 10/6 T S EBOX 400/50	60180334	3 x 400 50Hz	2x2,2	2x3	2" 1/2	2" 1/2	239
2NKV 10/7 T S EBOX 400/50	60180335	3 x 400 50Hz	2x2,2	2x3	2" 1/2	2" 1/2	259
2NKV 10/8 T S EBOX 400/50	60180336	3 x 400 50Hz	2x3	2x4	2" 1/2	2" 1/2	261
2NKV 10/9 T S EBOX 400/50	60180337	3 x 400 50Hz	2x3	2x4	2" 1/2	2" 1/2	263
2NKV 10/10 T S EBOX 400/50	60180338	3 x 400 50Hz	2x4	2x5,5	2" 1/2	2" 1/2	282
2NKV 10/12 T S EBOX 400/50	60180339	3 x 400 50Hz	2x4	2x5,5	2" 1/2	2" 1/2	286
2NKV 10/15 T S EBOX 400/50	60180340	3 x 400 50Hz	2x5,5	2x7,5	2" 1/2	2" 1/2	342
2NKV 15/4 T S EBOX 400/50	60207810	3 x 400 50Hz	2x4	2x5.5	100	80	280
2NKV 15/5 T S EBOX 400/50	60180343	3 x 400 50Hz	2x4	2x5.5	100	80	285
2NKV 15/6 T S EBOX 400/50	60180344	3 x 400 50Hz	2x5.5	2x7.5	100	80	374
2NKV 15/7 T S EBOX 400/50	60180345	3 x 400 50Hz	2x.5.5	2x7.5	100	80	377
2NKV 20/3 T S EBOX 400/50	60180346	3 x 400 50Hz	2x3	2x4	100	80	284
2NKV 20/4 T S EBOX 400/50	60180348	3 x 400 50Hz	2x4	2x5.5	100	80	364
2NKV 20/5 T S EBOX 400/50	60180349	3 x 400 50Hz	2x5.5	2x7.5	100	80	366

1, 2, 3 NKP-G, K

SETS WITH CENTRIFUGAL PUMPS NKP-G, K

Water lifting sets suitable for civilian installation, condominium, hotels, tourist facilities and industrial uses.
Lifting units equipped with 1, 2, 3 centrifugal pumps K series (twin impeller) and NKP, NKP-G series All lifting are complete with galvanised steel base, suction and delivery manifold (for units with one pump only delivery manifold), one stop valve on suction side for each pump and stop valve and not return valve on delivery side for each pump.
1, 2 or 3 20 liters membrane tanks; pressure transmitter (pressure switch for 2, 3 K 55/200) and pressure gauge on delivery manifold.
Electrical panel: IP 55, direct starting for single motors inputs up to 7,5 kW (included) and star-delta starting for single motors from 9,2 kW.

- Weekly test included as standard for all units.
- Available, where indicated, also with the relative pilot pump KVCX series.
- The units is supplied assembled, tested, in a strong cardboard box with wooden pallet and instructions sheet with electrical diagram.

Weekly test included

Line voltage 400V three phase.
Voltage of electric pump 400V three phase.
Power frequency 50-60 Hz.
Installation vertical only.
Operating range from 4 to 720 m^3/h.
Pumped liquid temperature range
From -15°C to +70°C
(max 40°C for the version with jockey pump).
Maximum ambient temperature 40°C.
Max pressure 10 bar.
Pumped liquid clean, free of solids.
Protection class IP55.

THREE-PHASE MOTORS	P2	< 0,75 kW	IE2
		≥ 0,75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

1 K, 1NKP-G

1 CENTRIFUGAL PUMP

MODEL	CODE
1K 70/300 400-50	60180350
1K 80/300 400-50	60169853
1K 70/400 400-50	60169854
1K 80/400 400-50	60169855
1NKP-G 32-160/151 3 400-50	60180351
1NKP-G 32-160/163 4 400-50	60180352
1NKP-G 32-200/190 5,5 400-50	60180353
1NKP-G 32-200/210 7,5 400-50	60169856
1NKP-G 40-160/158 5,5 400-50	60180354
1NKP-G 40-160/172 7,5 400-50	60169857
1NKP-G 40-200/210 11 400-50	60169858
1NKP-G 40-250/230 15 400-50	60169859
1NKP-G 40-250/245 18,5 400-50	60169860
1NKP-G 40-250/260 22 400-50	60169861
1NKP-G 50-160/153 7,5 400-50	60169862
1NKP-G 50-160/169 11 400-50	60169863
1NKP-G 50-200/200 15 400-50	60169864
1NKP-G 50-200/210 18,5 400-50	60169865
1NKP-G 50-200/219 22 400-50	60169866
1NKP-G 50-250/230 22 400-50	60169867
1NKP-G 50-250/257 30 400-50	60169868
1NKP-G 65-160/157 11 400-50	60169869
1NKP-G 65-160/173 15 400-50	60169870
1NKP-G 65-200/190 18,5 400-50	60169871
1NKP-G 65-200/200 22 400-50	60169872
1NKP-G 65-200/219 30 400-50	60169873
1NKP-G 80-160/153 15 400-50	60169874
1NKP-G 80-160/163 18,5 400-50	60169875
1NKP-G 80-160/169 22 400-50	60169876
1NKP-G 80-200/190 30 400-50	60169878

1 CENTRIFUGAL PUMP + PILOT PUMP KVCX

MODEL	CODE
1K 70/300-KVCX 65-50 400-50	60180355
1K 80/400-KVCX 65-80 400-50	60169881
1NKP-G 32-160/151 3-KVCX 65-50 400-50	60180356
1NKP-G 32-160/163 4-KVCX 65-50 400-50	60180357
1NKP-G 32-200/190 5,5-KVCX 65-50 400-50	60180358
1NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60169882
1NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60180359
1NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60169883
1NKP-G 40-200/210 11-KVCX 65-80 400-50	60169884
1NKP-G 40-250/230 15-KVCX 65-80 400-50	60169885
1NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60169886
1NKP-G 40-250/260 22-KVCX 65-80 400-50	60169887
1NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60169888
1NKP-G 50-160/169 11-KVCX 65-80 400-50	60169889
1NKP-G 50-200/200 15-KVCX 65-80 400-50	60169890
1NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60169891
1NKP-G 50-200/219 22-KVCX 65-80 400-50	60169892
1NKP-G 50-250/230 22-KVCX 65-80 400-50	60169894
1NKP-G 50-250/257 30-KVCX 65-80 400-50	60169895
1NKP-G 65-160/157 11-KVCX 65-80 400-50	60169896
1NKP-G 65-160/173 15-KVCX 65-80 400-50	60169897
1NKP-G 65-200/190 18,5-KVCX 65-80 400-50	60169898
1NKP-G 65-200/200 22-KVCX 65-80 400-50	60169899
1NKP-G 65-200/219 30-KVCX 65-80 400-50	60169901
1NKP-G 80-160/153 15-KVCX 65-80 400-50	60169902
1NKP-G 80-160/163 18,5-KVCX 65-80 400-50	60169903
1NKP-G 80-160/169 22-KVCX 65-80 400-50	60169904
1NKP-G 80-200/190 30-KVCX 65-80 400-50	60169905

1, 2, 3 NKP-G, K

SETS WITH CENTRIFUGAL PUMPS NKP-G, K

2K, 2NKP-G

2 CENTRIFUGAL PUMP

MODEL	CODE
2 K55/200 T	60180360
2 K55/200 T +PS	60180361
2K 70/300 400-50	60180362
2K 80/300 400-50	60169906
2K 70/400 400-50	60169907
2K 80/400 400-50	60169908
2NKP-G 32-160/151 3 400-50	60180363
2NKP-G 32-160/163 4 400-50	60180364
2NKP-G 32-200/190 5,5 400-50	60180365
2NKP-G 32-200/210 7,5 400-50	60169909
2NKP-G 40-160/158 5,5 400-50	60180366
2NKP-G 40-160/172 7,5 400-50	60169910
2NKP-G 40-200/210 11 400-50	60169911
2NKP-G 40-250/230 15 400-50	60169913
2NKP-G 40-250/245 18,5 400-50	60169914
2NKP-G 40-250/260 22 400-50	60169915
2NKP-G 50-160/153 7,5 400-50	60169916
2NKP-G 50-160/169 11 400-50	60169917
2NKP-G 50-200/200 15 400-50	60169918
2NKP-G 50-200/210 18,5 400-50	60169919
2NKP-G 50-200/219 22 400-50	60169920
2NKP-G 50-250/230 22 400-50	60169921
2NKP-G 50-250/257 30 400-50	60169922
2NKP-G 65-160/157 11 400-50	60169923
2NKP-G 65-160/173 15 400-50	60169924
2NKP-G 65-200/190 18,5 400-50	60169925
2NKP-G 65-200/200 22 400-50	60169926
2NKP-G 65-200/219 30 400-50	60169927
2NKP-G 80-160/153 15 400-50	60169928
2NKP-G 80-160/163 18,5 400-50	60169929
2NKP-G 80-160/169 22 400-50	60169930
2NKP-G 80-200/190 30 400-50	60169931

2 CENTRIFUGAL PUMP + PILOT PUMP KVCX

MODEL	CODE
2 K55/200 T (JOCKEY PUMP KV 6/7 T)	60180367
2 K55/200 T (JOCKEY PUMP KV 6/7 T) +PS	60180368
2K 70/300-KVCX 65-50 400-50	60180369
2K 80/300-KVCX 65-50 400-50	60169932
2K 70/400-KVCX 65-80 400-50	60169933
2K 80/400-KVCX 65-80 400-50	60169934
2NKP-G 32-160/151 3-KVCX 65-50 400-50	60180370
2NKP-G 32-160/163 4-KVCX 65-50 400-50	60180371
2NKP-G 32-200/190 5,5-KVCX 65-50 400-50	60180372
2NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60169935
2NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60180373
2NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60169936
2NKP-G 40-200/210 11-KVCX 65-80 400-50	60169937
2NKP-G 40-250/230 15-KVCX 65-80 400-50	60169938
2NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60169939
2NKP-G 40-250/260 22-KVCX 65-80 400-50	60169940
2NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60169941
2NKP-G 50-160/169 11-KVCX 65-80 400-50	60169942
2NKP-G 50-200/200 15-KVCX 65-80 400-50	60169943
2NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60169944
2NKP-G 50-200/219 22-KVCX 65-80 400-50	60169945
2NKP-G 50-250/230 22-KVCX 65-80 400-50	60169946
2NKP-G 50-250/257 30-KVCX 65-80 400-50	60169947
2NKP-G 65-160/157 11-KVCX 65-80 400-50	60169948
2NKP-G 65-160/173 15-KVCX 65-80 400-50	60169949
2NKP-G 65-200/190 18,5-KVCX 65-80 400-50	60169950
2NKP-G 65-200/200 22-KVCX 65-80 400-50	60169951
2NKP-G 65-200/219 30-KVCX 65-80 400-50	60169952
2NKP-G 80-160/153 15-KVCX 65-80 400-50	60169953
2NKP-G 80-160/163 18,5-KVCX 65-80 400-50	60169954
2NKP-G 80-160/169 22-KVCX 65-80 400-50	60169955
2NKP-G 80-200/190 30-KVCX 65-80 400-50	60169956

1, 2, 3 NKP-G, K

SETS WITH CENTRIFUGAL PUMPS NKP-G, K

3 K, 3 NKP-G

3 CENTRIFUGAL PUMP

MODEL	CODE
3 K55/200 T	60180374
3 K55/200 T +PS	60180375
3K 70/300 400-50	60180376
3K 80/300 400-50	60169957
3K 70/400 400-50	60169958
3K 80/400 400-50	60169959
3NKP-G 32-160/151 3 400-50	60180377
3NKP-G 32-160/163 4 400-50	60180378
3NKP-G 32-200/190 5,5 400-50	60180379
3NKP-G 32-200/210 7,5 400-50	60169960
3NKP-G 40-160/158 5,5 400-50	60180380
3NKP-G 40-160/172 7,5 400-50	60169961
3NKP-G 40-200/210 11 400-50	60169962
3NKP-G 40-250/230 15 400-50	60169963
3NKP-G 40-250/245 18,5 400-50	60169964
3NKP-G 40-250/260 22 400-50	60169965
3NKP-G 50-160/153 7,5 400-50	60169966
3NKP-G 50-160/169 11 400-50	60169967
3NKP-G 50-200/200 15 400-50	60169968
3NKP-G 50-200/210 18,5 400-50	60169969
3NKP-G 50-200/219 22 400-50	60169970
3NKP-G 50-250/230 22 400-50	60169972
3NKP-G 50-250/257 30 400-50	60169975
3NKP-G 65-160/157 11 400-50	60169985
3NKP-G 65-160/173 15 400-50	60169987
3NKP-G 65-200/190 18,5 400-50	60169988
3NKP-G 65-200/200 22 400-50	60169989
3NKP-G 65-200/219 30 400-50	60169990
3NKP-G 80-160/153 15 400-50	60169991
3NKP-G 80-160/163 18,5 400-50	60169992
3NKP-G 80-160/169 22 400-50	60169993
3NKP-G 80-200/190 30 400-50	60169994

3 CENTRIFUGAL PUMP + PILOT PUMP KVCX

MODEL	CODE
3 K55/200 T (JOCKEY PUMP KV 6/7 T)	60180383
3K 70/300-KVCX 65-50 400-50	60180385
3K 80/300-KVCX 65-50 400-50	60169995
3NKP-G 32-160/151 3-KVCX 65-50 400-50	60180386
3NKP-G 32-160/163 4-KVCX 65-50 400-50	60180387
3NKP-G 32-200/190 5,5 -KVCX 65-50 400-50	60180388
3NKP-G 32-200/210 7,5-KVCX 65-50 400-50	60169999
3NKP-G 40-160/158 5,5-KVCX 65-50 400-50	60180389
3NKP-G 40-160/172 7,5-KVCX 65-50 400-50	60170000
3NKP-G 40-200/210 11-KVCX 65-80 400-50	60170002
3NKP-G 40-250/230 15-KVCX 65-80 400-50	60170004
3NKP-G 40-250/245 18,5-KVCX 65-80 400-50	60170008
3NKP-G 40-250/260 22-KVCX 65-80 400-50	60170011
3NKP-G 50-160/153 7,5-KVCX 65-50 400-50	60170014
3NKP-G 50-160/169 11-KVCX 65-80 400-50	60170016
3NKP-G 50-200/200 15-KVCX 65-80 400-50	60170018
3NKP-G 50-200/210 18,5-KVCX 65-80 400-50	60170020
3NKP-G 50-200/219 22-KVCX 65-80 400-50	60170022
3NKP-G 50-250/230 22-KVCX 65-80 400-50	60170026
3NKP-G 50-250/257 30-KVCX 65-80 400-50	60170029
3NKP-G 65-160/157 11-KVCX 65-80 400-50	60170031
3NKP-G 65-160/173 15-KVCX 65-80 400-50	60170034
3NKP-G 65-200/190 18,5-KVCX 65-80 400-50	60170036
3NKP-G 65-200/200 22-KVCX 65-80 400-50	60170038
3NKP-G 65-200/219 30-KVCX 65-80 400-50	60170040
3NKP-G 80-160/153 15-KVCX 65-80 400-50	60170043
3NKP-G 80-160/163 18,5-KVCX 65-80 400-50	60170044
3NKP-G 80-160/169 22-KVCX 65-80 400-50	60170045
3NKP-G 80-200/190 30-KVCX 65-80 400-50	60170048

1 KDN COMPACT EN 12845

FIRE -FIGHTING BOOSTER SETS UNI EN 12845 WITH ELECTRIC PUMP AND DIESEL PUMP

Diesel and electric motor fire-fighting sets, ideal for automatic sprinkler systems and/or hydrants of commercial buildings. Designed to be coupled with each other, in order to obtain all the versions and meet all the requirements of the EN 12845 and UNI 10779 standards.
The pump is coupled, by means of a spacer elastic coupling, to an electric motor or Diesel engine capable of providing the power absorbed by the pump at any pump load condition, from no-load, to a load corresponding to NPSH16m (as requested by section 10.1 of the UNI EN 12845 standard).

Modular design:
The UNI EN 12845 DAB fire-fighting sets are supplied in modular version. This setup facilitates transport, and the installation of DAB fire-fighting pump sets in pump rooms, even with narrow access doors.
Thanks to a coupling kit (supplied as accessory), it is possible to obtain all the compositions contemplated by the standard (one, two, or three electric or Diesel pumps, with or without jockey pump).

Operating range from 10 to 650 m^3/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water..

Liquid temperature range
From 0 to 70°C.

Maximum ambient temperature
+40°C.

Maximum operating pressure
16 bar (1600kPa) PN16.

Special executions on request
Diesel version with water/water heat exchanger, 230 three-phase 50 or 60 Hz electric versions, bronze impeller.

UNI EN 12845

ISTITUTO GIORDANO
Qualità al Plurale

ACCESSORIES
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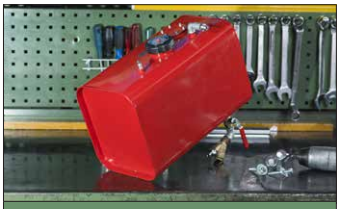
FEATURES

COLLECTION RESERVOIR

Reservoir for the collection of any fuel leaking out of the diesel tank, included up to 11kW pursuant to standard UNI 11292.



TANK

All the engine-drive pumps have a fuel pump sized to ensure 6 hours of operation, as required for the highest hazard classes pursuant to standard EN 12845 - 10.9.6.

CLAPET VALVE

An inspectionable check valve is mounted on the delivery port of each main pump to facilitate maintenance.

FRAME

Compact steel frame painted RAL 3000 red to support the pump, with anti-vibration devices to dampen the vibrations transmitted to the system.

CONTROL PANELS

All the fire-fighting sets have an electric control panel pursuant to EN 12845 /UNI 10779 for each main pump and an electric control panel for the jockey pump, already connected to the main components (motor, pressure switches, sensor, batteries, etc..).

MOTORS

The motors of all the main pumps are sized in accordance with standard EN 12845 - 10.1 to supply the power absorbed by the pump under any load conditions up to an NPSH value of 16 m.c.w.

ALARM REMOTE CONTROL UNIT

Alarm notification and remote control unit suitable for sets with 1 to 3 pumps. The GSM module accessory makes it possible to receive notification text messages in real time on the status of the pumping system.

HIGH QUALITY

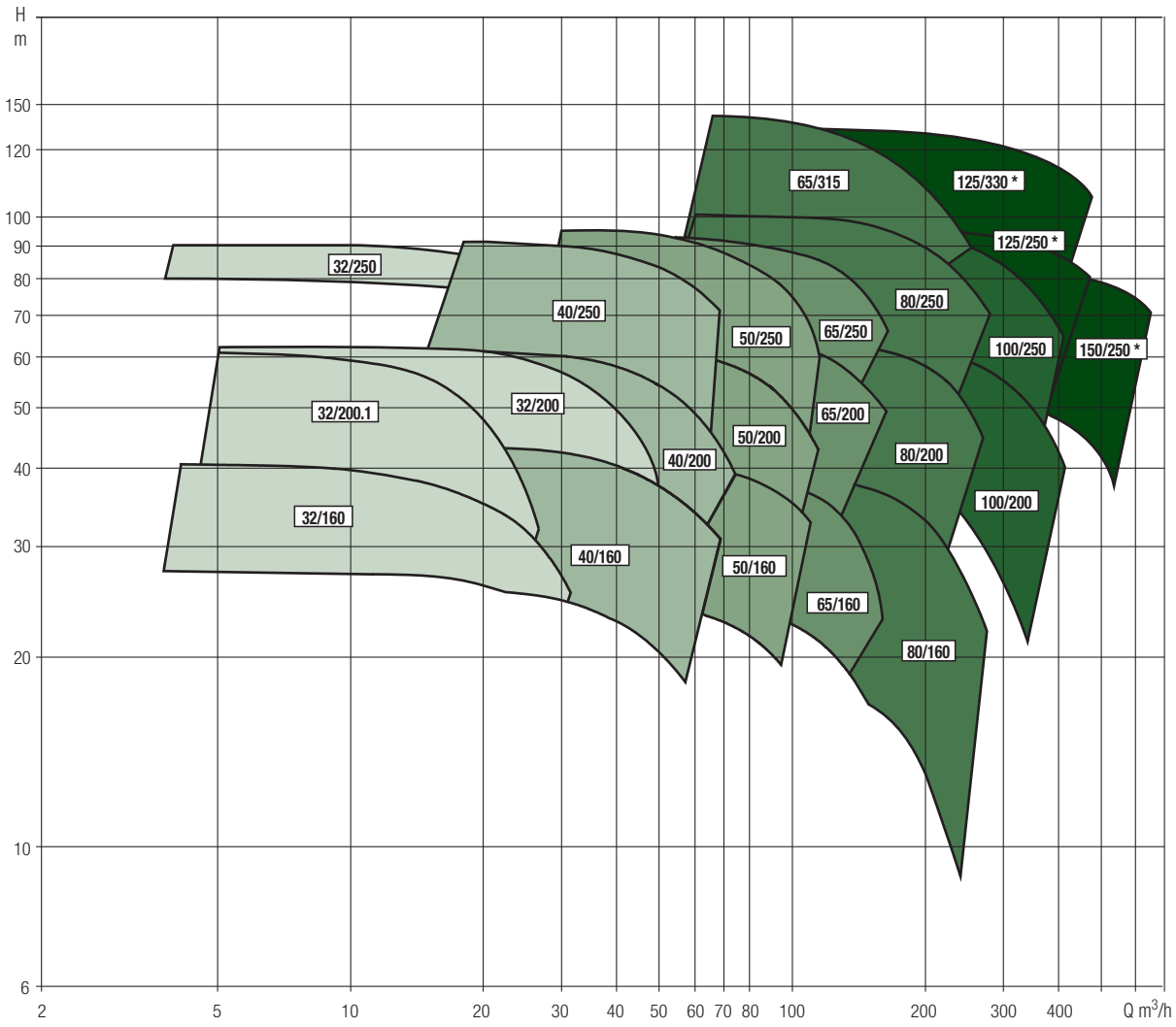
Fire-fighting sets designed and manufactured with components that guarantee a high standard of quality.

DAB WATER•TECHNOLOGY

1 KDN COMPACT EN 12845

FIRE -FIGHTING BOOSTER SETS UNI EN 12845 WITH ELECTRIC PUMP AND DIESEL PUMP

PERFORMANCE OF THE 1 KDN COMPACT EN 12845



*** Oversize versions of the KDN: 125-250 / 125-330 / 150-250**

RANGE OF OVERSIZE VERSIONS OF THE KDN	RANGE OF STANDARD VERSIONS OF THE KDN
FLOW: UP TO 650 m³/h	FLOW: UP TO 400 m³/h
HEAD: UP TO 130 m.	HEAD: UP TO 120 m.

1 KDN COMPACT EN 12845

FIRE -FIGHTING BOOSTER SETS UNI EN 12845 WITH ELECTRIC PUMP AND DIESEL PUMP

TECHNICAL DATA - 1 KDN COMPACT EN 12845 PUMPS

1 KDN COMPACT EN 12845

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 3 T 400/50 EN 12845	60174386	3,0
1KDN 32-160.1/169 4 T 400/50 EN 12845	60174387	4,0
1KDN 32-160.1/177 5,5 T 400/50 EN 12845	60174388	5,5
1KDN 32-160/177 5,5 T 400/50 EN 12845	60174389	5,5
1KDN 32-200.1/190 5,5 T 400/50 EN 12845	60174390	5,5
1KDN 32-200.1/200 5,5 T 400/50 EN 12845	60174391	5,5
1KDN 32-200.1/207 7,5 T 400/50 EN 12845	60174392	7,5
1KDN 32-200/180 5,5 T 400/50 EN 12845	60174393	5,5
1KDN 32-200/190 7,5 T 400/50 EN 12845	60174394	7,5
1KDN 32-200/200 7,5 T 400/50 EN 12845	60174395	7,5
1KDN 32-200/210 11 T 400/50 EN 12845	60174396	11,0
1KDN 32-200/219 11 T 400/50 EN 12845	60174397	11,0
1KDN 32-250/257 15 T 400/50 EN 12845	60176404	15,0
1KDN 40-160/161 7,5 T 400/50 EN 12845	60174398	7,5
1KDN 40-160/177 11 T 400/50 EN 12845	60174399	11,0
1KDN 40-200/200 11 T 400/50 EN 12845	60174400	11,0
1KDN 40-200/219 15 T 400/50 EN 12845	60176405	15,0
1KDN 40-250/230 15 T 400/50 EN 12845	60176406	15,0
1KDN 40-250/240 18,5 T 400/50 EN 12845	60176407	18,5
1KDN 40-250/260 30 T 400/50 EN 12845	60176408	30,0
1KDN 50-160/161 11 T 400/50 EN 12845	60176409	11,0
1KDN 50-160/177 15 T 400/50 EN 12845	60176410	15,0
1KDN 50-200/190 15 4 00/50 EN 12845	60176411	15,0
1KDN 50-200/210 18,5 T 400/50 EN 12845	60176412	18,5
1KDN 50-200/219 22 T 400/50 EN 12845	60176413	22,0
1KDN 50-250/230 22 T 400/50 EN 12845	60176414	22,0
1KDN 50-250/250 30 T 400/50 EN 12845	60176415	30,0
1KDN 50-250/263 37 T 400/50 EN 12845	60176416	37,0
1KDN 65-160/153 11 T 400/50 EN 12845	60176417	11,0
1KDN 65-200/190 18,5 T 400/50 EN 12845	60176418	18,5
1KDN 65-200/200 22 T 400/50 EN 12845	60176419	22,0
1KDN 65-250/230 30 T 400/50 EN 12845	60176420	30,0
1KDN 65-250/250 37 T 400/50 EN 12845	60176421	37,0
1KDN 65-250/263 45 T 400/50 EN 12845	60176422	45,0
1KDN 65-315/275 55 T 400/50 EN 12845	60176423	55,0
1KDN 65-315/290 75 T 400/50 EN 12845	60176424	75,0
1KDN 65-315/305 90 T 400/50 EN 12845	60176425	90,0
1KDN 65-315/320 110 T 400/50 EN 12845	60176426	110,0
1KDN 80-160/177 30 T 400/50 EN 12845	60176427	30,0
1KDN 80-200/200 37 T 400/50 EN 12845	60176428	37,0
1KDN 80-200/222 45 T 400/50 EN 12845	60197223	45,0
1KDN 80-250/240 55 T 400/50 EN 12845	60176429	55,0
1KDN 80-250/260 75 T 400/50 EN 12845	60176430	75,0
1KDN 80-250/270 90 T 400/50 EN 12845	60176431	90,0
1KDN 80-315/290 110 T 400/50 IE3 EN 12845	60187462	110,0
1KDN 100-200/200 55 T 400/50 EN 12845	60176432	55,0
1KDN 100-200/219 75 T 400/50 EN 12845	60176433	75,0
1KDN 100-250/240 90 T 400/50 EN 12845	60176434	90,0
1KDN 100-250/260 110 T 400/50 EN 12845	60176435	110,0
1KDN 125-250/264 160 T 400/50 IE3 EN 12845	60189108	160,0
1KDN 125-330/300 160 T 400/50 EN 12845	60198505	160,0
1KDN 150-250/264 160 T 400/50 EN 12845	60198469	160,0

1 KDN COMPACT EN 12845 + PILOT PUMP

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 3 T 400/50 EN 12845 JET	60174529	3,0
1KDN 32-160.1/169 4 T 400/50 EN 12845 JET	60174530	4,0
1KDN 32-160.1/177 5,5 T 400/50 EN 12845 JET	60174531	5,5
1KDN 32-160/177 5,5 T 400/50 EN 12845 JET	60174532	5,5
1KDN 32-200.1/190 5,5 T 400/50 EN 12845 JET	60174533	5,5
1KDN 32-200.1/200 5,5 T 400/50 EN 12845 JET	60174537	5,5
1KDN 32-200.1/207 7,5 T 400/50 EN 12845 JET	60174536	7,5
1KDN 32-200/180 5,5 T 400/50 EN 12845 JET	60174538	5,5
1KDN 32-200/190 7,5 T 400/50 EN 12845 JET	60174534	7,5
1KDN 32-200/200 7,5 T 400/50 EN 12845 JET	60174535	7,5
1KDN 32-200/210 11 T 400/50 EN 12845 JET	60174541	11,0
1KDN 32-200/219 11 T 400/50 EN 12845 JET	60174539	11,0
1KDN 32-250/257 15 T400/50 IE3 EN KVCX 85-120	60210980	15,0
1KDN 40-160/161 7,5 T 400/50 EN 12845 JET	60174543	7,5
1KDN 40-160/177 11 T 400/50 EN 12845 JET	60174542	11,0
1KDN 40-200/200 11 T 400/50 EN 12845 JET	60174540	11,0
1KDN 40-200/219 15 T 400/50 EN 12845 JET	60176470	15,0
1KDN 40-250/230 15 T 400/50 EN 12845 JET	60176471	15,0
1KDN 40-250/240 18,5 T 400/50 EN 12845 JET	60176472	18,5
1KDN 40-250/260 30 T400/50 IE3 EN12845 KVCX 85-120	60210856	30,0
1KDN 50-160/161 11 T 400/50 EN 12845 JET	60176474	11,0
1KDN 50-160/177 15 T 400/50 EN 12845 JET	60176475	15,0
1KDN 50-200/190 15 T 400/50 EN 12845 JET	60176476	15,0
1KDN 50-200/210 18,5 T 400/50 EN 12845 JET	60176477	18,5
1KDN 50-200/219 22 T 400/50 EN 12845 JET	60176478	22,0
1KDN 50-250/230 22 T 400/50 EN 12845 JET	60176479	22,0
1KDN 50-250/250 30 T 400/50 EN 12845 JET	60176480	30,0
1KDN 50-250/263 37 T 400/50 EN 12845 KV	60176481	37,0
1KDN 65-160/153 11 T 400/50 EN 12845 JET	60176482	11,0
1KDN 65-200/190 18,5 T 400/50 EN 12845 JET	60176483	18,5
1KDN 65-200/200 22 T 400/50 EN 12845 JET	60176484	22,0
1KDN 65-250/230 30 T 400/50 EN 12845 JET	60176485	30,0
1KDN 65-250/250 37 T 400/50 EN 12845 KVCX	60176486	37,0
1KDN 65-250/263 45 T400/50 IE3 EN12845 KVCX 85-120	60210826	45,0
1KDN 65-315/275 55 T 400/50 EN 12845 KV 3/15	60176488	55,0
1KDN 65-315/290 75 T 400/50 EN 12845 KV 3/15	60176489	75,0
1KDN 65-315/305 90 T 400/50 EN 12845 KV 3/18	60176490	90,0
1KDN 65-315/320 110 T 400/50 EN 12845 KV 3/18	60176491	110,0
1KDN 80-160/177 30 T 400/50 EN 12845 KVCX 65-80	60176492	30,0
1KDN 80-200/200 37 T 400/50 EN 12845 KVCX 65-80	60176493	37,0
1KDN 80-200/222 45 T 400/50 IE3 EN 12845 KVCX 65-80	60192430	45,0
1KDN 80-250/240 55 T 400/50 EN 12845 KVCX 65-80	60176494	55,0
1KDN 80-250/260 75 T400/50 IE3 EN12845 KVCX 85-120	60211111	75,0
1KDN 80-250/270 90 T400/50 IE3 EN12845 KVCX 85-120	60211140	90,0
1KDN 80-315/290 110 T 400/50 IE3 EN 12845 KV 3/15	60178896	110,0
1KDN 100-200/200 55 T 400/50 EN 12845 KVCX 65-80	60176497	55,0
1KDN 100-200/219 75 T 400/50 EN 12845 KVCX 65-80	60176498	75,0
1KDN 100-250/240 90 T 400/50 EN 12845 KVCX 65-80	60176499	90,0
1KDN100-250/260 110 T400/50 IE3 EN12845 KVCX85-120	60211475	110,0
1KDN 125-250/235 90 T 400/50 IE3 EN 12845 KV3/12	60179280	90,0
1KDN125-250/264 160 T400/50 IE3 EN KVCX85-120	60211612	160,0
1KDN 125-330/300 160 T 400/50 IE3 EN 12845 KV 3/12	60181997	160,0

1 KDN COMPACT EN 12845

FIRE -FIGHTING BOOSTER SETS UNI EN 12845 WITH ELECTRIC PUMP AND DIESEL PUMP

TECHNICAL DATA - 1 KDN COMPACT EN 12845 DIESEL PUMP

1 KDN COMPACT EN 12845

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 6.5 MDY EN12845	60210404	7,1
1KDN 32-160.1/169 6.5 MDY EN12845	60210402	7,1
1KDN 32-160.1/177 6.5 MDY EN12845	60210293	7,1
1KDN 32-160/177 6.5 MDY EN12845	60210337	7,1
1KDN 32-200.1/190 6.5 MDY EN12845	60210383	7,1
1KDN 32-200.1/200 6.5 MDY EN12845	60210375	7,1
1KDN 32-200.1/207 6.5 MDY EN12845	60210272	7,1
1KDN 32-200/180 6.5 MDY EN12845	60210355	7,1
1KDN 32-200/190 6.5 MDY EN12845	60210345	7,1
1KDN 32-200/200 11 MD EN12845	60210259	7,1
1KDN 32-200/210 11 MD EN 12845	60174379	11,0
1KDN 32-200/219 11 MD EN 12845	60173190	11,0
1KDN 32-250/257 19 MD EN12845	60209004	15,0
1KDN 40-160/161 6.5 MDY EN12845	60210413	7,1
1KDN 40-160/177 11 MD EN 12845	60173228	11,0
1KDN 40-200/200 11 MD EN 12845	60174378	11,0
1KDN 40-200/219 19 MD EN12845	60208728	15,0
1KDN 40-250/230 19 MD EN 12845	60176374	19,0
1KDN 40-250/240 19 MD EN 12845	60176375	19,0
1KDN 40-250/260 26.8 MDY EN 12845	60194396	26,8
1KDN 40-250/260 28 MDY S.C. EN 12845	60194401	28,0
1KDN 50-160/161 11 MD EN 12845	60173241	11,0
1KDN 50-160/177 19 MD EN12845	60209110	15,0
1KDN 50-200/190 19 MD EN12845	60209121	15,0
1KDN 50-200/210 19 MD EN 12845	60176379	19,0
1KDN 50-200/219 22.3 MDY EN 12845	60194526	22,3
1KDN 50-250/230 22.3 MDY EN 12845	60193838	22,3
1KDN 50-250/250 35 MDY EN 12845	60201719	35,0
1KDN 50-250/263 35 MDY EN 12845	60201756	35,0
1KDN 50-330/290 53 MD EN 12845	60199647	53,0
1KDN 50-200/219 23 MDY S.C. EN 12845	60200789	23,0
1KDN 50-250/230 23 MDY S.C. EN 12845	60193738	23,0
1KDN 50-250/250 36.4 MDY S.C. EN 12845	60201381	36,4
1KDN 50-250/263 36.4 MDY S.C. EN 12845	60201498	36,4
1KDN 50-330/290 53 MD S.C. EN 12845	60195304	53,0
1KDN 65-160/153 11 MD EN 12845	60173270	11,0
1KDN 65-200/190 19 MD EN 12845	60176384	19,0
1KDN 65-200/200 22.3 MDY EN 12845	60200899	22,3
1KDN 65-250/230 26.8 MDY EN 12845	60193841	26,8
1KDN 65-250/250 35 MDY EN 12845	60201988	35,0
1KDN 65-250/263 53 MD EN 12845	60176388	53,0
1KDN 65-315/275 73.5 MD EN 12845	60203257	53,0
1KDN 65-315/290 73.5 MD EN 12845	60176390	73,5
1KDN 65-315/305 110 MD EN 12845	60176391	110,0
1KDN 65-315/320 110 MD EN 12845	60176392	110,0
1KDN 65-200/200 23 MDY S.C. EN 12845	60200917	23,0
1KDN 65-250/230 28 MDY S.C. EN 12845	60193817	28,0
1KDN 65-250/250 36,4 MDY S.C. EN 12845	60201506	36,4
1KDN 65-250/263 53 MD S.C. EN 12845	60181005	53,0
1KDN 65-315/275 73,5 MD S.C. EN 12845	60203285	73,5
1KDN 65-315/290 73,5 MD S.C. EN 12845	60184164	73,5

1 KDN COMPACT EN 12845 + PILOT PUMP

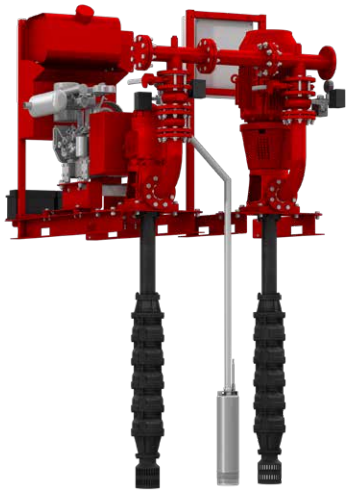
MODEL	CODE	P2 (kW)
1KDN 65-315/305 110 MD S.C. EN 12845	60186181	110,0
1KDN 65-315/320 MD S.C. EN 12845	60207919	110
1KDN 80-160/177 26.8 MDY EN 12845	60201135	26,8
1KDN 80-200/200 35 MDY EN	60202049	35,0
1KDN 80-250/240 73.5 MD EN 12845	60176395	73,5
1KDN 80-250/260 110 MD EN 12845	60176396	110,0
1KDN 80-250/270 110 MD EN 12845	60176397	110,0
1KDN 80-315/290 110 MD EN 12845	60178893	110,0
1KDN 80-160/177 28 MDY S.C. EN 12845	60201185	28,0
1KDN 80-200/200 36.4 MDY S.C. EN 12845	60202006	36,4
1KDN 80-250/240 73,5 MD S.C. EN 12845	60185487	73,5
1KDN 80-250/260 110 MD S.C. EN 12845	60184208	110,0
1KDN 80-250/270 110 MD S.C. EN 12845	60186199	110,0
1KDN 80-315/290 110 MD S.C. EN 12845	60199644	110,0
1KDN 100-200/200 53 MD EN 12845	60176398	53,0
1KDN 100-200/219 73.5 MD EN 12845	60176399	73,5
1KDN 100-250/240 110 MD EN 12845	60176400	110,0
1KDN 100-250/260 110 MD EN 12845	60176402	110,0
1KDN 100-200/200 53 MD S.C. EN 12845	60188847	53,0
1KDN 100-200/219 MD S.C EN 12845	60207930	73,5
1KDN 100-250/240 110 MD S.C. EN 12845	60195338	110,0
1KDN 100-250/260 110 MD S.C. EN 12845	60181028	110,0
1KDN 125-250/235 110 MD EN 12845	60179313	110,0
1KDN 125-330/300 164 MD EN 12845	60181996	164,0
1KDN 125-250/235 MD S.C. EN 12845	60207983	110
1KDN 125-330/300 197 MD S.C. EN 12845	60195745	197,0
1KDN 150-250/264 164 MD EN 12845	60192388	197,0
1KDN 150-250/264 197 MD S.C. EN 12845	60206772	197,0

Available on request Diesel Fire-fighting Booster Sets with heat exchanger for diesel motor starting from the power P2=37 kW

1 KVT EN 12845

DIESEL AND ELECTRIC EN 12845 FIRE-FIGHTING SETS WITH VERTICAL TURBINE PUMPS

DIESEL MODULE ELECTRIC MODULE



The new 1 KVT fire-fighting pump sets with diesel engine or electric motor assembly, ideal for automatic sprinkler systems and/or hydrants of commercial buildings, are manufactured using vertical turbine pumps, in accordance with article 10.6.1 of UNI EN 12845 standards.

Simple Maintenance:
Thanks to the submersible pump body and the motor assembly control above the surface, they eliminate any self-priming issues, in addition to making the job of the maintenance technician much easier.

Modular design:
DAB pressurisation sets are designed to be coupled with each other, in order to obtain all the versions and meet all the requirements of the UNI EN 12845 standard.

Available set models:
- 1 KVT ..... EN
Consisting of an axial flow submersible pump (vertical turbine pump) with electric motor, including submersible pump, cork plug, control head installed on appropriate base, electric control panel.
- 1 KVT ..... MD EN
Consisting of an axial flow submersible pump (vertical turbine pump) with air-cooled diesel engine or with radiator (with exchanger on request), including submersible pump, cork plug, control head installed on appropriate base, electric control panel, diesel tank ensuring 6 hours of operation, and with fuel collection tank for powers up to 26 kW.

Operating range from 4 to 300 m^3/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water..

Liquid temperature range
From 0 to 40°C.

Maximum ambient temperature
+40°C.

Maximum operating pressure
16 bar (1600kPa) PN16.

Special executions on request
Diesel version with water/water heat exchanger, 230 three-phase 50 or 60 Hz electric versions, non standard performance.

UNI EN 12845

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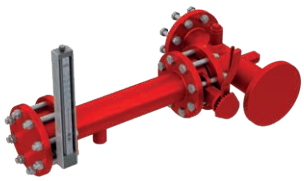
FEATURES

VERTICAL TURBINE PUMP

Vertical turbine pumps offer the great advantage of flooded suction installation even with an underground tank (UNI EN 12845 – 10.6.1). Vertical turbine pumps have a cataphoresis paint coating and cork plug, and can be coupled with an electric motor or diesel engine through a control head installed on an appropriate base.



FLOW METER

The measuring kit with flow meter must be installed on a branch on the delivery manifold of the set. It is used to check the performance of the main pumps.

COUPLING KIT

In order to obtain all the versions contemplated by the standard (2-3 pump sets), DAB supplies as accessory a coupling kit, to be fitted between the delivery manifolds of the individual sets.

AXIAL LINE

The axial line is a flanged pipe treated with black cataphoresis paint coating and equipped with a transmission shaft that connects the submersible pump to the control head, with the corresponding guide supports (separate accessory).

TANK

Each diesel engine driven pump has a diesel tank that guarantees 6 hours of operation. For engine powers up to 26 kW, a collection tank is also included (in compliance with UNI 11292), for the containment of any fuel spillages.

CONTROL HEAD

Control head connected to the motor with 3-part spacer coupling. This means the 2 components (motor or pump) can be removed separately in accordance with UNI EN 12845 – 10.1.

ANTI-VORTEX PLATE

Vertical turbine pumps can be equipped with anti-vortex plates to decrease the speed on the suction side (UNI EN 12845 – 9.3.5), in order to make the most of the volume of the storage tank.

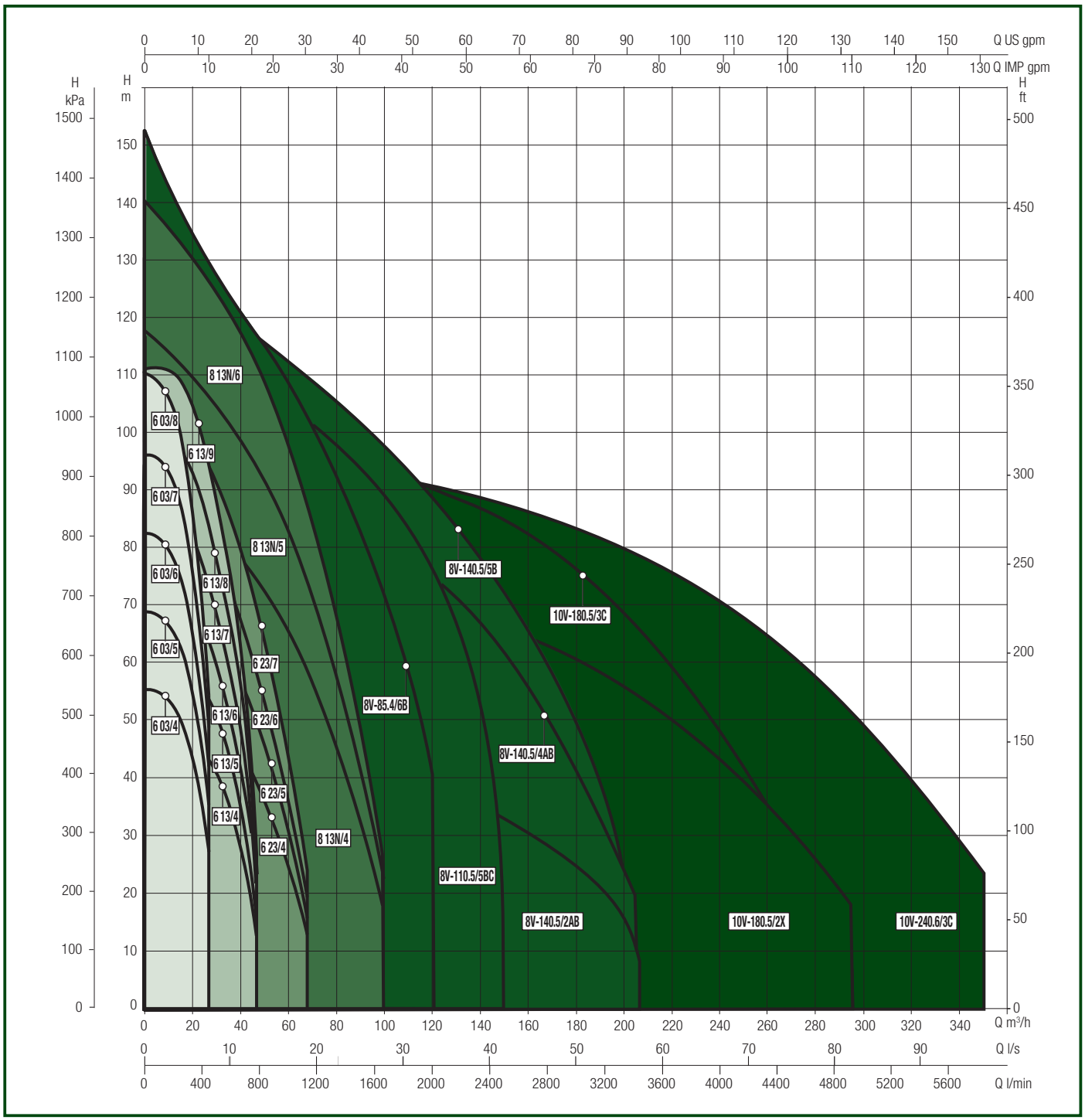
JOCKEY PUMP

Submersible jockey pump with 20-litre expansion vessel and its own electric control panel.

1 KVT EN 12845

DIESEL AND ELECTRIC EN 12845 FIRE-FIGHTING SETS WITH VERTICAL TURBINE PUMPS

PERFORMANCE OF THE 1 KVT EN 12845

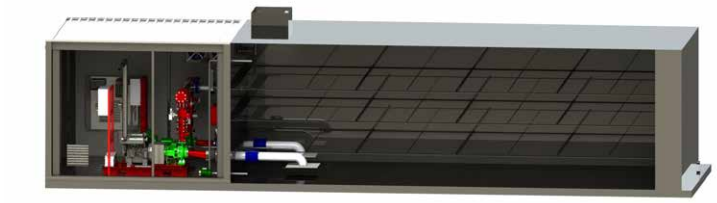


RANGE OF THE 1 KVT EN 12845
FLOW: UP TO 320 m³/h
HEAD: UP TO 150 m.

1 KVT EN 12845

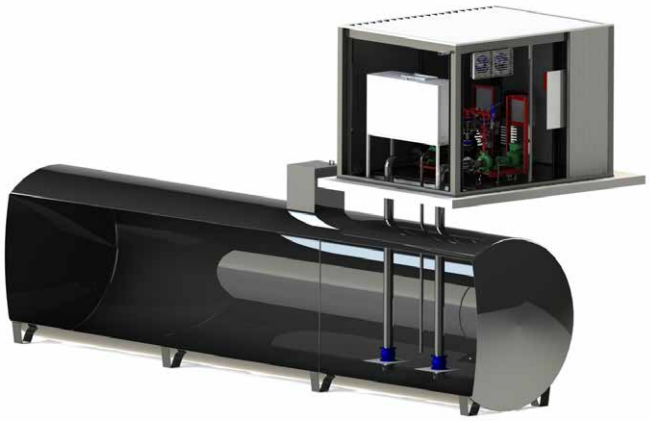
DIESEL AND ELECTRIC EN 12845 FIRE-FIGHTING SETS WITH VERTICAL TURBINE PUMPS

EXAMPLES OF INSTALLATION WITH 1 KDN COMPACT EN 12845



FLOODED SUCTION INSTALLATION

The standards set down, in order of preference, the various ways in which a pump for a fire-fighting set can be installed.
End-suction horizontal pumps must be installed with flooded suction whenever possible, and the standard EN 12845 clearly defines the parameters for flooded suction installation:
- at least two thirds the effective capacity of the suction tank must be above the axial line of the pump;
- the axial line of the pump must not be more than 2 m above the minimum level of water in the supply tank.



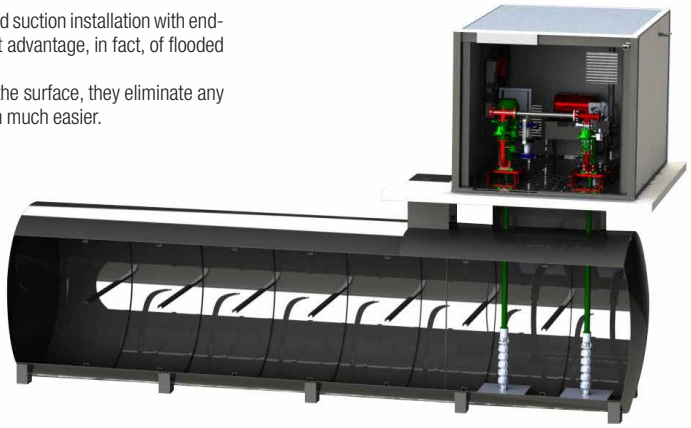
SUCTION LIFT INSTALLATION

Suction lift installation is the alternative when flooded suction installation is not possible. Standard EN 12845, however, advises against suction lift installation and specifies that it should be considered only when flooded suction installation is not feasible.
The standard indicates a maximum distance of 3.2 m between the axial line of the pumps and the lowest point of the suction piping.
Specific priming pumps must also be installed above the main pumps (1 per main pump) to ensure that these are all primed.

EXAMPLES OF INSTALLATION WITH 1 KVT EN 12845

FLOODED SUCTION INSTALLATION

Standard EN 12845 recommends the use of vertical turbine pumps when flooded suction installation with end-suction horizontal pumps is not possible. Vertical turbine pumps offer the great advantage, in fact, of flooded suction installation even with an underground tank.
Thanks to the submersible pump body and the motor assembly control above the surface, they eliminate any self-priming issues, in addition to making the job of the maintenance technician much easier.



1 KVT EN 12845

DIESEL AND ELECTRIC EN 12845 FIRE-FIGHTING SETS WITH VERTICAL TURBINE PUMPS

1 KVT EN 12845 WITH ELECTRIC MOTOR

MODEL	CODE	P2 (kW)	JOCKEY PUMP FOR COUPLING
1KVT6 03/4 5.5 400/50 EN12845	60179712	5,5	PULSAR 65/50
1KVT6 03/5 7.5 400/50 EN12845	60179713	7,5	PULSAR 65/50
1KVT6 03/6 7.5 400/50 EN12845	60179714	7,5	S4 3/19
1KVT6 03/7 11 400/50 EN12845	60179715	11	S4 3/19
1KVT6 03/8 11 400/50 EN12845	60179716	11	S4 3/19
1KVT6 13/4 7.5 400/50 EN12845	60179699	7,5	PULSAR 65/50
1KVT6 13/5 7.5 400/50 EN12845	60179698	7,5	PULSAR 65/50
1KVT6 13/6 11 400/50 EN12845	60179700	11	PULSAR 65/50
1KVT6 13/7 11 400/50 EN12845	60179696	11	S4 3/19
1KVT6 13/8 15 400/50 EN12845	60179697	15	S4 3/19
1KVT6 13/9 15 400/50 EN12845	60179701	15	S4 3/19
1KVT6 23/4 11 400/50 EN12845	60179705	11	PULSAR 65/50
1KVT6 23/5 11 400/50 EN12845	60179704	11	PULSAR 65/50
1KVT6 23/6 15 400/50 EN12845	60179703	15	PULSAR 65/50
1KVT6 23/7 18.5 400/50 EN12845	60179702	18,5	S4 3/19
1KVT8 13N/4 18.5 400/50 EN12845	60179708	18,5	S4 3/19
1KVT8 13N/5 22 400/50 EN12845	60179710	22	S4 3/19
1KVT8 13N/6 DN80 30 400/50 EN12845	60207434	30	S4 3/19
1KVT8 85.4/6B 30 400/50 EN12845	60211607	30	S4 1/26
1KVT8 110.5/5BC 37 400/50 EN12845	60211614	37	S4 1/26
1KVT8 140.5/2AB 18.5 400/50 EN12845	60211622	18,5	S4 3/19
1KVT8 140.5/4AB 37 400/50 EN12845	60211658	37	S4 3/19
1KVT8 140.5/5B 45 400/50 EN12845	60211685	45	S4 1/26
1KVT10 180.5/2X 45 400/50 EN12845	60211711	45	S4 3/19
1KVT10 180.5/3C 55 400/50 EN12845	60211445	55	S4 1/26
1KVT10 240.6/3C 75 400/50 EN12845	60211725	75	S4 1/26

1 KVT EN 12845 WITH DIESEL MOTOR

MODEL	CODE	P2 (kW)	JOCKEY PUMP FOR COUPLING
1KVT6 03/4 6.5 MDY EN12845	60210690	6,5	PULSAR 65/50
1KVT6 03/5 6.5 MD EN12845	60210691	6,5	PULSAR 65/50
1KVT6 03/6 11 MD EN12845	60179675	11	S4 3/19
1KVT6 03/7 11 MD EN12845	60179676	11	S4 3/19
1KVT6 03/8 11 MD EN12845	60179677	11	S4 3/19
1KVT6 13/4 6.5 MDY EN12845	60210681	6,5	PULSAR 65/50
1KVT6 13/5 11 MD EN12845	60179679	11	PULSAR 65/50
1KVT6 13/6 11 MD EN12845	60179680	11	PULSAR 65/50
1KVT6 13/7 11 MD EN12845	60179682	11	S4 3/19
1KVT6 13/8 19 MD EN12845	60209438	19	S4 3/19
1KVT6 13/9 19 MD EN12845	60209398	19	S4 3/19
1KVT6 23/4 11 MD EN12845	60179685	11	PULSAR 65/50
1KVT6 23/5 19 MD EN12845	60209397	19	PULSAR 65/50
1KVT6 23/6 19 MD EN12845	60209394	19	PULSAR 65/50
1KVT6 23/7 19 MD EN12845	60179687	19	S4 3/19
1KVT8 13N/4 19 MD EN12845	60179689	19	S4 3/19
1KVT8 13N/6 35 MDY EN12845	60202584	35	S4 3/19
1KVT8 140.5/2AB 19 MD EN12845	60211619	19	S4 3/19
1KVT8 13N/6 36.4 MDY EN12845 S.C.	60203636	36,4	S4 3/19
1KVT8 85.4/6B 36.4 MDY EN12845 S.C.	60211456	36,4	S4 1/26
1KVT8 110.5/5BC 36.4 MDY EN12845 S.C.	60211610	36,4	S4 1/26
1KVT8 140.5/4AB 36.4 MDY EN12845 S.C.	60211635	36,4	S4 3/19
1KVT8 140.5/5B 53 MD EN12845 S.C.	60211670	53	S4 1/26
1KVT10 180.5/2X 53 MD S.C. EN12845	60211706	53	S4 3/19
1KVT10 180.5/3C 73.5 MD S.C. EN12845	60211010	73,5	S4 1/26
1KVT10 240.6/3C 73.5 MD EN12845 S.C.	60211724	73,5	S4 1/26

Possibility of requesting diesel engines with water/water exchanger cooling systems

ACCESSORIES

KIT PUMP SYSTEM		DESCRIPTION	CODE
	Including 18 l expansion vessel, electric control panel, valves for the connection of the jockey pump to the main KVT pump.	KIT JOCKEY PUMP PULSAR 65/50T 400/50	60211325
		KIT JOCKEY PUMP S4 3/19T 400/50	60180501
		PUMP SYSTEM S4 1/26 400/50 EN 12845	60203248

ACCESSORIES

LINE SHAFT		MODEL AND LENGTH*	CODE
	The axial line is a flanged pipe treated with black cataphoresis paint coating that connects the submersible pump to the control head, with the corresponding guide supports.	3A20L LINESHAFT Ø142 L=500	60179642
		3A20L LINESHAFT Ø142 L=750	60179641
		3A20L LINESHAFT Ø142 L=1000	60179640
		3A20L LINESHAFT Ø142 L=1500	60179639
		3A20L LINESHAFT Ø142 L=2000	60179638
		3A20L LINESHAFT Ø142 L=2500	60179637
		3A20L LINESHAFT Ø142 L=3050	60179636
		3A24L LINESHAFT Ø142 L=500	60179647
		3A24L LINESHAFT Ø142 L=750	60179644
		3A24L LINESHAFT Ø142 L=1000	60179643
		3A24L LINESHAFT Ø142 L=1500	60179649
		3A24L LINESHAFT Ø142 L=2000	60179645
		3A24L LINESHAFT Ø142 L=2500	60179646
		3A24L LINESHAFT Ø142 L=3050	60179648
		5A24L LINESHAFT Ø191 L=500	60179656
		5A24L LINESHAFT Ø191 L=750	60179655
		5A24L LINESHAFT Ø191 L=1000	60179654
		5A24L LINESHAFT Ø191 L=1500	60179653
		5A24L LINESHAFT Ø191 L=2000	60179652
		5A24L LINESHAFT Ø191 L=2500	60179651
		5A24L LINESHAFT Ø191 L=3050	60179650
		5A27L LINESHAFT Ø191 L=500	60179663
		5A27L LINESHAFT Ø191 L=750	60179662
		5A27L LINESHAFT Ø191 L=1000	60179661
		5A27L LINESHAFT Ø191 L=1500	60179660
		5A27L LINESHAFT Ø191 L=2000	60179659
		5A27L LINESHAFT Ø191 L=2500	60179658
		5A27L LINESHAFT Ø191 L=3050	60179657
		6A30L LINESHAFT Ø240 L=500	60179670
		6A30L LINESHAFT Ø240 L=750	60179669
		6A30L LINESHAFT Ø240 L=1000	60179668
		6A30L LINESHAFT Ø240 L=1500	60179667
		6A30L LINESHAFT Ø240 L=2000	60179666
		6A30L LINESHAFT Ø240 L=2500	60179665
		6A30L LINESHAFT Ø240 L=3050	60179664
		3A20L LINESHAFT FROM 600 MM TO 3000 MM (50MM AND MULTIPLES)	-
		3A24L LINESHAFT FROM 600 MM TO 3000 MM (50MM AND MULTIPLES)	-
		5A24L LINESHAFT FROM 600 MM TO 3000 MM (50MM AND MULTIPLES)	-
		5A27L LINESHAFT FROM 600 MM TO 3000 MM (50MM AND MULTIPLES)	-
		6A30L LINESHAFT FROM 600 MM TO 3000 MM (50MM AND MULTIPLES)	-

* L Length in mm (500 to 3050 mm)

S4, SS 6, SS 7, SS 8 - EN 12845

FIRE FIGHTING UNITS UNI STANDARDS EN 12845 WITH 4", 6", 7", 8" SUBMERSIBLE ELECTRIC PUMPS

TECHNICAL DATA

Fire-fighting pump groups made according to the specifications of the European standard UNI EN 12845. Fixed fire-fighting installations-automatic sprinkler systems.
All pumps (main and jockey) are equipped with 15 meter power input cable.
The 6", 7", 8" pumps are fully made of AISI 304 stainless steel.

OVERVIEW OF THE UNI-EN 12845

The UNI-EN 12845, the Italian version of the European standard UNI-EN 12845, establishes the criteria for the design, installation and maintenance of sprinkler systems.
An automatic sprinkler system is designed to detect the presence of fire and extinguish it in the initial stage or to keep the flames under control until the extinction can be completed by other means. The classic sprinkler system includes:
a water supply, a group of fire pumps, control valves and a network of pipelines with sprinkler.
The main pump continues to run until it is stopped manually using the STOP button on the control panel. In the case of fire hydrant networks, you should refer to the UNI 10779 - July 07. UNI 10779, in addition to requiring the power pumps according to EN 12845, admits, in the case of activity not constantly manned, the automatic shutdown of the pumps after 20 minutes of closing the hydrants. DAB groups are suited for both sprinkler networks with manual shutdown and for hydrant networks with automatic stop.

OPERATION OF FIRE FIGHTING PUMP GROUPS AS PER UNI EN 12845

Under normal conditions (zero water demand), the system is under static pressure. On the first request of water the compensating pump is started that restores the system pressure. If the demand for water is significant (fire sprinkler opening) the system pressure drops until the two pressure switches connected in series activate the main pump. The two pressure starter switches must be calibrated so that you can start the pumps at the following pressure values:

Operating range from 4 to 160 m^3/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water.

Pumped liquid temperature range
From -15 to 70°C.

Maximum ambient temperature +25°C.

Maximum operating pressure
16 bar (1600kPa) PN16.

Special executions on request
Execution with joined cable available on request.
The control panels of the sets with submerged pumps are already fitted on base for quicker installation.
The main and pilot pumps are provided as standard with a 15-metre power cable.
All the 6" and 8" electric pumps (SS 6, SS 7 and SS 8) are entirely in AISI 304 stainless steel.

UNI EN 12845

ACCESSORIES PAGE 429

ONE PUMP SETS	P = 0,8 X MAX. PUMP PRESSURE	
SETS WITH TWO PUMPS	PUMP 1: P1 = 0,8 X MAX PRESSURE	PUMP 2: P2 = 0,6 X MAX PRESSURE

Es: Max. pressure 10 bar - pump 1 starts at 8 bar, pump 2 starts at 6 bar

S4, SS 6, SS 7, SS 8 - EN 12845

FIRE FIGHTING UNITS UNI STANDARDS EN 12845 WITH 4", 6", 7", 8" SUBMERSIBLE ELECTRIC PUMPS

4" SUBMERSIBLE ELECTRIC PUMPS

1 S4 PUMP

MODEL	CODE
1S4 8/9 015 T 400/50 EN 12845 15MT CABLE	60202170
1S4 8/15 022 T 400/50 EN 12845 15MT CABLE	60202073
1S4 8/21 030 T 400/50 EN 12845 15MT CABLE	60201990
1S4 16/12 022 T 400/50 EN 12845 15MT CABLE	60202004
1S4 16/16 030 T 400/50 EN 12845 15MT CABLE	60202175
1S4 16/21 040 T 400/50 EN 12845 15MT CABLE	60202178
1S4 16/29 055 T 400/50 EN 12845 15MT CABLE	60202182

1 S4 + PILOT PUMP

MODEL	CODE
1S4 8/9 015 T 400/50 EN 12845-S4 3/19 011 T-15MT CABLE	60202145
1S4 8/15 022 T 400/50 EN 12845-S4 3/25 015 T- 15MT CABLE	60202067
1S4 8/21 030 T 400/50 EN 12845-S4 3/25 015 T-15MT CABLE	60202045
1S4 16/12 022 T 400/50 EN 12845-S4 3/13 007 T-15MT CABLE	60202063
1S4 16/16 030 T 400/50 EN 12845-S4 3/13 007 T-15MT CABLE	60202146
1S4 16/21 040 T 400/50 EN 12845-S4 3/19 011 T-15MT CABLE	60202158
1S4 16/29 055 T 400/50 EN 12845-S4 3/25 015 T-15MT CABLE	60202164

6" SUBMERSIBLE ELECTRIC PUMPS

1 SS 6 PUMP

MODEL	CODE
1 SS6 C06 T 400/50 EN 12845 WITH CABLE	60204321
1 SS6 C08 T 400/50 EN 12845 WITH CABLE	60204323
1 SS6 C11 T 400/50 EN 12845 WITH CABLE	60204338
1 SS6 D04 T 400/50 EN 12845 WITH CABLE	60204341
1 SS6 D05 T 400/50 EN 12845 WITH CABLE	60204378
1 SS6 D06 T 400/50 EN 12845 WITH CABLE	60204382
1 SS6 D07 T 400/50 EN 12845 WITH CABLE	60204385
1 SS6 D09 T 400/50 EN 12845 WITH CABLE	60204498
1 SS6 E03 T 400/50 EN 12845 WITH CABLE	60204388
1 SS6 E04 T 400/50 EN 12845 WITH CABLE	60204393
1 SS6 E05 T 400/50 EN 12845 WITH CABLE	60204407
1 SS6 E06 T 400/50 EN 12845 WITH CABLE	60204411
1 SS6 E07 T 400/50 EN 12845 WITH CABLE	60204512
1 SS6 E08 T 400/50 EN 12845 WITH CABLE	60204538

1 SS 6 + PILOT PUMP

MODEL	CODE
1SS6 C6 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60203891
1SS6 C8 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60203902
1SS6 C11 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60203952
1SS6 D4 T 400/50 EN 12845 - S4 3/13 T 15MT CABLE	60203810
1SS6 D5 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204036
1SS6 D6 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204302
1SS6 D7 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204303
1SS6 D9 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204444
1SS6 E3 T 400/50 EN 12845 - S4 3/13 TC 15MT CABLE	60203691
1SS6 E4 T 400/50 EN 12845 - S4 3/13 T 15MT CABLE	60203696
1SS6 E5 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204304
1SS6 E6 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204312
1SS6 E7 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204506
1SS6 E8 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204537

7"- 8" SUBMERSIBLE ELECTRIC PUMPS

1 SS 7, SS 8 PUMP

MODEL	CODE
1SS7 A4 T 400/50 EN 12845 15 MT CABLE	60204726
1SS7 A5 T 400/50 EN 12845 15 MT CABLE	60204790
1SS7 A6 T 400/50 EN 12845 15 MT CABLE	60204832
1SS7 B3 T 400/50 EN 12845 15 MT CABLE	60204835
1SS7 B4 T 400/50 EN 12845 15 MT CABLE	60204849
1SS7 B5 T 400/50 EN 12845 15 MT CABLE	60204876
1SS8 A3 T 400/50 EN 12845 15 MT CABLE	60204909
1SS8 A4 T 400/50 EN 12845 15 MT CABLE	60204913
1SS8 A5 T 400/50 EN 12845 15 MT CABLE	60204929
1SS8 B3B.3 T 400/50 EN 12845 15 MT CABLE	60204933
1SS8 B3 T 400/50 EN 12845 15 MT CABLE	60205663
1SS8 B4 T 400/50 EN 12845 15 MT CABLE	60205672

1 SS 7, SS 8 + PILOT PUMP

MODEL	CODE
1SS7 A4 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204662
1SS7 A5 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204774
1SS7 A6 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204813
1SS7 B3 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204834
1SS7 B4 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204848
1SS7 B5 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204853
1SS8 A3 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204890
1SS8 A4 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204912
1SS8 A5 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204920
1SS8 B3B.3 T 400/50 EN 12845 - S4 3/19 T 15MT CABLE	60204931
1SS8 B3 T 400/50 EN 12845 - S4 3/25 T 15MT CABLE	60204946
1SS8 B4 T 400/50 EN 12845 - S4 3/25T 15MT CABLE	60205667

1, 2 NKV EN 12845

FIRE-FIGHTING PUMP UNITS TO EN 12845 WITH VERTICAL NKV PUMPS

TECHNICAL DATA

Fire-fighting pump units manufactured in compliance with the prescriptions of European standard UNI EN 12845. Fixed fire-fighting installations - Automatic sprinkler systems

NOTES ON UNI EN 12845

UNI EN 12845, the Italian version of European standard EN 12845, establishes design, installation and maintenance criteria for sprinkler systems and it replaces the earlier Italian standards UNI 9489 and UNI 9490.

An automatic sprinkler system is designed to detect the presence of fire and extinguish it in the initial stages, or to keep flames under control until they can be extinguished fully using ancillary means.

The classic sprinkler system is composed of: a water source, a fire-fighting pump unit, a series of control valves, and a sprinklers circuit. The main pump continues to run until it is stopped manually by pressing the STOP pushbutton on the control panel.

In the case of hydrant circuits refer to the prescriptions of UNI 10779-July 07. UNI 10779,as well as stating that fire-fighting pumps must be in compliance with the requirements of UNI EN 12845, also permits, in the case of work not constantly supervised, automatic stopping of the pumps 20 minutes after closure of the hydrants.

DAB pump sets are suitable for sprinkler installations with manual stopping and for hydrant installations with automatic stopping.

OPERATION OF EN 12845 FIRE-FIGHTING PUMP SET

In normal conditions (zero water demand) the system is maintained under static pressure.

The first demand for water results in start-up of the jockey pump, which restores system pressure. If a significant flow rate of water is demanded (opening of sprinklers), the pressure will drop until the two pressure switches connected in series trip to start up the main pump. The two start-up pressure switches must be calibrated in such a way as to start the pumps at the following pressure values.

Operating range from 4 to 29 m^3/h.

Pumped liquid clean, free of solids and abrasives, not viscous, not aggressive, not crystallised and chemically neutral, with properties similar to water.

Pumped liquid temperature range
From -15 to 70°C.

Maximum ambient temperature +40°C.

Maximum operating pressure
16 bar (1600 kPa) PN16.

UNI EN 12845

ACCESSORIES PAGE 429

ONE PUMP SETS	P = 0,8 X MAX. PUMP PRESSURE	
SETS WITH TWO PUMPS	PUMP 1: P1 = 0,8 X MAX PRESSURE	PUMP 2: P2 = 0,6 X MAX PRESSURE

Es: Max. pressure 10 bar - pump 1 starts at 8 bar, pump 2 starts at 6 bar

1, 2 NKV EN 12845

FIRE-FIGHTING PUMP UNITS TO EN 12845 WITH VERTICAL NKV PUMPS

1, 2 NKV EN 12845 PUMPS

MODEL	CODE
1NKV 10/3 T 400/50 EN 12845	60118437
1NKV 10/4 T 400/50 EN 12845	60118438
1NKV 10/5 T 400/50 EN 12845	60118439
1NKV 10/6 T 400/50 EN 12845	60118440
1NKV 10/7 T 400/50 EN 12845	60118441
1NKV 10/8 T 400/50 EN 12845	60118442
1NKV 10/9 T 400/50 EN 12845	60118443
1NKV 10/10 T 400/50 EN 12845	60118444
1NKV 10/12 T 400/50 EN 12845	60118445
1NKV 10/15 T400/50 EN 12845	60118446
1NKV 15/3 T 400/50 EN 12845	60207802
1NKV 15/4 T 400/50 EN 12845	60207823
1NKV 15/5 T 400/50 EN 12845	60118451
1NKV 15/6 T 400/50 EN 12845	60118452
1NKV 15/7 T 400/50 EN 12845	60118456
1NKV 15/8 T EN 12845	60169070
1NKV 15/9 T EN 12845	60169071
1NKV 15/10 T EN 12845	60169072
1NKV 20/3 T 400/50 EN 12845	60118464
1NKV 20/4 T 400/50 EN 12845	60118465
1NKV 20/5 T 400/50 EN 12845	60118466
1NKV 20/6 T EN 12845	60169073
1NKV 20/7 T EN 12845	60169074
1NKV 20/8 T EN 12845	60169075
1NKV 20/9 T EN 12845	60169076
1NKV 20/10 T EN 12845	60169077

MODEL	CODE
2NKV 10/3 T 400/50 EN 12845	60118498
2NKV 10/4 T 400/50 EN 12845	60118499
2NKV 10/5 T 400/50 EN 12845	60118500
2NKV 10/6 T 400/50 EN 12845	60118501
2NKV 10/7 T 400/50 EN 12845	60118502
2NKV 10/8 T 400/50 EN 12845	60118503
2NKV 10/9 T 400/50 EN 12845	60118504
2NKV 10/10 T 400/50 EN 12845	60118505
2NKV 10/12 T 400/50 EN 12845	60118506
2NKV 10/15 T400/50 EN 12845	60118507
2NKV 15/3 T 400/50 EN 12845	60207842
2NKV 15/4 T 400/50 EN 12845	60207845
2NKV 15/5 T 400/50 EN 12845	60118535
2NKV 15/6 T 400/50 EN 12845	60118536
2NKV 15/7 T 400/50 EN 12845	60118537
2NKV 15/8 T EN 12845	60169091
2NKV 15/9 T EN 12845	60169092
2NKV 15/10 T EN 12845	60169093
2NKV 20/3 T 400/50 EN 12845	60118541
2NKV 20/4 T 400/50 EN 12845	60118542
2NKV 20/5 T 400/50 EN 12845	60118543
2NKV 20/6 T EN 12845	60169094
2NKV 20/7 T EN 12845	60169098
2NKV 20/8 T EN 12845	60169108
2NKV 20/9 T EN 12845	60169127
2NKV 20/10 T EN 12845	60169128

1, 2 NKV EN 12845 PUMPS + PILOT PUMP

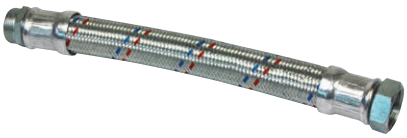
MODEL	CODE
1NKV 10/3 T 400/50 EN 12845 - JET	60118472
1NKV 10/4 T 400/50 EN 12845 - JET	60118473
1NKV 10/5 T 400/50 EN 12845 - JET	60118474
1NKV 10/6 T 400/50 EN 12845 - JET	60118475
1NKV 10/7 T 400/50 EN 12845 - KV 3/10	60118476
1NKV 10/8 T 400/50 EN 12845 - KV 3/12	60118477
1NKV 10/9 T 400/50 EN 12845 - KV 3/12	60118478
1NKV 10/10 T 400/50 EN 12845 - KV 3/18	60118479
1NKV 10/12 T 400/50 EN 12845 - KV 3/18	60118480
1NKV 10/15 T400/50 EN 12845 - KV 3/18	60118481
1NKV 15/3 T 400/50 EN 12845 - JET	60207806
1NKV 15/4 T 400/50 EN 12845 – JET	60207826
1NKV 15/5 T 400/50 EN 12845 – JET	60118484
1NKV 15/6 T 400/50 EN 12845 - KV 3/12	60118485
1NKV 15/7 T 400/50 EN 12845 - KV 3/12	60118486
1NKV 15/8 T 400/50 EN 12845 - KV 3/18	60169078
1NKV 15/9 T 400/50 EN 12845 - KV 3/18	60169079
1NKV 15/10 T 400/50 EN 12845 - KV 3/18	60169080
1NKV 20/3 T 400/50 EN 12845 – JET	60118490
1NKV 20/4 T 400/50 EN 12845 – JET	60118491
1NKV 20/5 T 400/50 EN 12845 - JET	60118492
1NKV 20/6 T 400/50 EN 12845 - KV 3/12	60169081
1NKV 20/7 T 400/50 EN 12845 - KV 3/18	60169082
1NKV 20/8 T 400/50 EN 12845 - KV 3/18	60169083
1NKV 20/9 T 400/50 EN 12845 - KV 3/18	60169084
1NKV 20/10 T 400/50 EN 12845 - KV 3/18	60169085

MODEL	CODE
2NKV 10/3 T 400/50 EN 12845 - JET	60118549
2NKV 10/4 T 400/50 EN 12845 - JET	60118550
2NKV 10/5 T 400/50 EN 12845 - JET	60118551
2NKV 10/6 T 400/50 EN 12845 - JET	60118552
2NKV 10/7 T 400/50 EN 12845 - KV 3/10	60118553
2NKV 10/8 T 400/50 EN 12845 - KV 3/12	60118554
2NKV 10/9 T 400/50 EN 12845 - KV 3/12	60118555
2NKV 10/10 T 400/50 EN 12845 - KV 3/18	60118556
2NKV 10/12 T 400/50 EN 12845 - KV 3/18	60118557
2NKV 10/15 T400/50 EN 12845 - KV 3/18	60118558
2NKV 15/3 T 400/50 EN 12845 - JET	60207854
2NKV 15/4 T 400/50 EN 12845 - JET	60207828
2NKV 15/5 T 400/50 EN 12845 - JET	60118561
2NKV 15/6 T 400/50 EN 12845 - KV 3/12	60118562
2NKV 15/7 T 400/50 EN 12845 - KV 3/12	60118563
2NKV 15/8 T 400/50 EN 12845 - KV 3/18	60169129
2NKV 15/9 T 400/50 EN 12845 - KV 3/18	60169131
2NKV 15/10 T 400/50 EN 12845 - KV 3/18	60169132
2NKV 20/3 T 400/50 EN 12845 - JET	60118567
2NKV 20/4 T 400/50 EN 12845 - JET	60118568
2NKV 20/5 T 400/50 EN 12845 - JET	60118569
2NKV 20/6 T 400/50 EN 12845 - KV 3/12	60169133
2NKV 20/7 T 400/50 EN 12845 - KV 3/18	60169134
2NKV 20/8 T 400/50 EN 12845 - KV 3/18	60169135
2NKV 20/9 T 400/50 EN 12845 - KV 3/18	60169136
2NKV 20/10 T 400/50 EN 12845 - KV 3/18	60169137

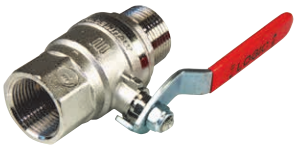
ACCESSORIES FOR PRESSURE UNITS - FIRE FIGHTING BOOSTING SETS UNI EN 12845

ACCESSORIES

PRESSURE UNITS

FLEXIBLE HOSE	MODEL	CODE
	FLEXIBLE HOSE 1" 1/2 MF	002260316
	FLEXIBLE HOSE 2" ½ MF 10B	60118994

ANTI-VIBRATION THREADED UNION	MODEL	CODE
	ANTI-VIBRATION THREADED UNION FF 2" - PN 16	002139107
	ANTI-VIBRATION THREAD UNION FF 2" 1/2 - PN 16	002139108

BALL VALVE	MODEL	CODE
	BALL VALVE MF 1" (FOR EXPANSION VESSEL SERVICING)	002132054

PRESSURE	MODEL	CODE
	MIN. PRESS. SWITCH XMP A06L 1/4" F IP 43	002717002
	KIT PRESSURE SWITCH FOR DRY RUNNING PROTECTION	547120850
	KIT PRESSURE SWITCH FOR OVERPRESS.	547120860

ACCESSORIES

PRESSURE UNITS

FLOAT	MODEL	CODE
	FLOAT - 5 METER CABLE	159260030
	FLOAT - 10 METER CABLE	159260040

AIR INLET COUPLING KIT	MODEL	CODE
	1" AIR INLET COUPLING KIT	547120440
	1" 1/4 AIR INLET COUPLING KIT	547120450
	1" 1/2 AIR INLET COUPLING KIT	547120460

TANK	MODEL	CODE
 TANK WITH 5 YEARS OF GUARANTEE	8 LT. TANK 10 BAR V - G	60141866
	18 LT. TANK 10 BAR V - G	60141867
	18 LT. TANK 16 BAR V - G	60141868

EXCHANGE STARTING MODULE	MODEL	CODE
	EXCHANGE STARTING MODULE SZ 3	002773493

PRESSURE TRANSMITTER	MODEL	CODE
	PRESS. TRAS. 16 BAR (FOR B. SETS WITH CONTR. PANEL E-BOX)	60116837

ACCESSORIES

PRESSURE UNITS

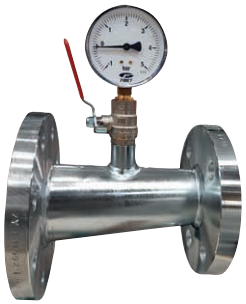
ANTI-VIBRATING JOINT	MODEL	CODE
 FF 2”1/2 PN16 ANTI-VIBRATION JOINT	FF 2”1/2 PN16 ANTI-VIBRATION JOINT	002139108
	ANTI-VIBRATING JOINT DN 80 - KDN 32	002139209
	ANTI-VIBRATING JOINT DN 100 - KDN 40	002139210
	ANTI-VIBRATING JOINT DN 125 - KDN 50	002139211
	ANTI-VIBRATING JOINT DN 150 - KDN 65	002139212
	ANTI-VIBRATING JOINT DN 200 - KDN 80-160/KDN 80-200	002139263
	ANTI-VIBRATING JOINT DN 250 - KDN 100 - KDN 80-250/80-315	002139264
	ANTI-VIBRATING JOINT DN 300	002139215

KIT PRESSURE SWITCH	MODEL	CODE
	KIT PRESSURE SWITCH FOR DRY RUNNING PROTECTION	547120850

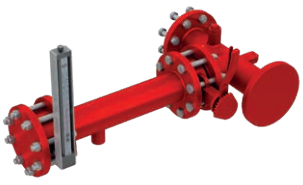
FOOT VALVE WITH FILTER	MODEL	CODE
 DN 80 FOOT VALVE WITH FILTER	DN 80 FOOT VALVE WITH FILTER	60111919
	DN 100 FOOT VALVE WITH FILTER	60111920
	DN 125 FOOT VALVE WITH FILTER	60111921
	DN 150 FOOT VALVE WITH FILTER	60111922
	DN 200 FOOT VALVE WITH FILTER	60111923
	DN 250 FOOT VALVE WITH FILTER	60111925
	DN 300 FOOT VALVE WITH FILTER	60111926
	DN 350 FOOT VALVE WITH FILTER	60211440

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

SUCTION KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
 PRESSURE GAUGE INCLUDED	The kit is composed of an eccentric cone with screws, nuts and seals. It maintains the water speed in suction below 1.5 m/s and prevents the formation of air pockets. The following is required: - 1 KIT for 1NKV units - 2 KITS for units 2NKV	SUCTION KIT FOR NKV 10 EN 12845 (DN 65)		•			60124052
		SUCTION KIT KDN 32/ NKV 15-20 EN (DN 80)	•	•			60124053
		SUCTION KIT KDN 40 EN (DN 100)	•				60124054
		SUCTION KIT KDN 50 EN (DN 125)	•				60124055
		SUCTION KIT KDN 65 EN (DN 150)	•				60124056
		SUCTION KIT KDN 80 EN (DN 200)	•				60124057
		SUCTION KIT KDN 80-250/80-315 EN (DN 250)	•				60161992
		SUCTION KIT KDN 100 EN (DN 250)	•				60124058
		SUCTION KIT KDN 125 (DN 300)	•				60178890
		SUCTION KIT KDN 150 EN (DN 350)	•				60192381

JOINT MANIFOLD KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Only in the case of units comprising two modules (electric pump and/or Diesel pump) 1 coupling KIT is required.	COUPLING KIT KDN 32 EN COMPACT L=880	•				60199937
		COUPLING KIT KDN 32 EN COMPACT L=985	•				60199995
		COUPLING KIT KDN 40 EN COMPACT L=1000	•				60200011
		COUPLING KIT KDN 50 EN COMPACT - KVT (DN 80) L=1017	•			•	60200215
		COUPLING KIT 2KDN 65 EN 12845 COMPACT L=1054	•				60200986
		COUPLING KIT KDN 80 EN COMPACT - KVT (DN 125) L=1054	•			•	60200801
		COUPLING KIT 2KDN 100 EN 12845 L=785 COMPACT	•				60202266
		COUPLING KIT 2KDN 125 EN 12845 L=740 COMPACT	•				60201608

FLOW METER KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	The measuring kit with flow meter must be installed on a branch on the delivery manifold of the set. • 1 MEASURING KIT is sufficient for both 1 and 2 1KDN and 1KVT sets (electric or diesel) • 1 flow meter KIT is sufficient for both 1NKV and 2NKV sets.	1 S4 - EN 12845 - FLOW METER KIT			•		60140932
		1 SS6 - EN 12845 - FLOW METER KIT			•		60140933
		1 SS7 - 1 SS8 - EN 12845 - FLOW METER KIT			•		60118872
		FLOW METER KIT - NKV 10 EN 12845		•			60118575
		FLOWMETER KIT KDN 32 EN COMPACT L=880	•				60199940
		FLOWMETER KIT KDN 32-250 EN COMPACT L=985	•				60199998
		FLOWMETER KIT KDN 40 EN COMPACT	•				60200016
		FLOWMETER KIT KDN 50 EN COMPACT - KVT (DN 80) L=1017	•			•	60200218
		FLOWMETER KIT KDN 65 EN 12845 COMPACT L=1054	•				60200978
		FLOWMETER KIT KDN 80 EN COMPACT - KVT (DN 125) L=1054	•			•	60200788
		FLOWMETER KIT KDN 100 EN 12845 COMPACT L=785	•				60202271
		FLOW METER KDN 32 EN 12845	•				60174549
		FLOW METER KDN 40 EN 12845	•				60174550
		FLOW METER KDN 50 - KVT (DN 80) EN 12845	•				60178477
		FLOW METER KDN 65 - KVT (DN 100) EN 12845	•				60178478
		FLOW METER KDN 80 - KVT (DN 125) EN 12845	•				60178479
		FLOW METER KDN 100 - KVT (DN 150) EN 12845	•				60178480
		FLOW METER KDN 125-150 (DN 200) EN 12845	•				60180575

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

FLOW METER		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Single flow meter (measuring device) to be installed on the delivery	**FLOW METER DN 40 (3,5-25 M3/H) 1-2 NKV 10 -1S4**		•	•		002789103
		FLOW METER DN 50 (7-50 m³/h) KDN 32 - NKV 15-20	•	•			002789104
		FLOW METER DN 65 (10-80 m³/h) KDN 40 - SS6	•		•		002789105
		FLOW METER DN 80 (17,5-130 m³/h) KDN 50	•			•	002789106
		FLOW METER DN 100 (25-200 m³/h) KDN 65 - SS7 - SS8	•		•		002789107
		FLOW METER DN 125 (40-300 m³/h) KDN 80	•			•	002789108
		FLOW METER DN 150 (45-350 m³/h) KDN 100	•			•	002789109
		FLOW METER DN 200 (800 m³/H) KDN 125	•			•	002789110

REMOTE ALARM SIGNAL PANEL		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Suitable for sets with 1 to 3 pumps	**REMOTE ALARM SIGNAL PANEL E.FIRE MONITOR (EN 12845)**	•	•	•	•	60180517

REMOTE ALARM SIGNAL PANEL		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Suitable for sets with 1 or 2 pumps	**REMOTE ALARM SIGNAL PANEL CSR 1**	•	•	•	•	60118970

BUTTERFLY VALVE		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Required for pump maintenance, in case of flooded suction installations. The following is required: • N. 1 BUTTERFLY VALVE for units 1KDN (electric or diesel). • N.1 VALVE for units 1NKV and 2 VALVES for units 2NKV	**BUTTERFLY VALVE DN 65 NKV 10**		•			002132608
		BUTTERFLY VALVE DN 80 - KDN 32 - NKV 15-20	•	•			002132609
		BUTTERFLY VALVE DN 100 - KDN 40	•				002132610
		BUTTERFLY VALVE DN 125 - KDN 50	•				002132661
		BUTTERFLY VALVE DN 150 - KDN 65	•				002132662
		BUTTERFLY VALVE DN 200 - KDN 80	•				002132663
		BUTTERFLY VALVE DN 250 - KDN 100	•				002132664
		BUTTERFLY VALVE DN 300 - KDN 125	•				002132665

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

FOOT VALVE WITH FILTER		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	These are required to maintain priming of the pump suction, in overhead installations. The following is required: • 1 FOOT VALVE for each 1KDN set (electric or Diesel). • 1 VALVE for units 1NKV and 2 VALVES for units 2NKV	FOOT VALVE WITH FILTER DN 65		•			60117394
		FOOT VALVE WITH FILTER DN 80	•	•			60111919
		FOOT VALVE WITH FILTER DN 100	•				60111920
		FOOT VALVE WITH FILTER DN 125	•				60111921
		FOOT VALVE WITH FILTER DN 150	•				60111922
		FOOT VALVE WITH FILTER DN 200	•				60111923
		FOOT VALVE WITH FILTER DN 250 (1KDN 100 - 1KDN 80-250/80-315)	•				60111925
		FOOT VALVE WITH FILTER DN 300 (KDN 125)	•				60111926

ANTI-VIBRATION COUPLING FOR SUCTION LINES		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	The antivibration coupling is utilised to reduce the amount of vibration transmitted to the system, this being especially important when the prime mover is a Diesel engine. • 1 COUPLING is sufficient for 1 KDN sets (electric or Diesel) (Not compulsory according to UNI EN 12845) • 1 COUPLING is necessary for 1NKV units and 2 COUPLINGS for 2NKV unit	ANTI-VIBRATION JOINT DN 65 PN16		•			002139208
		ANTI-VIBRATION JOINT DN 80 PN16	•	•			002139209
		ANTI-VIBRATION JOINT DN 100 PN16	•				002139210
		ANTI-VIBRATION JOINT DN 125 PN16	•				002139211
		ANTI-VIBRATION JOINT DN 150 PN16	•				002139212
		ANTI-VIBRATION JOINT DN 200 PN16	•				002139263
		ANTI-VIBRATION JOINT DN 250 PN16	•				002139264
		ANTI-VIBRATION JOINT DN 300 PN16 - KDN 125	•				002139215

ANTIVIBRATION COUPLINGS FOR DISCHARGE MANIFOLDS		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	The antivibration coupling is utilised to reduce the amount of vibration transmitted to the system, this being especially important when the prime mover is a Diesel engine. - 1 COUPLING is sufficient for 1 or 2 KDN sets (electric or Diesel) (Not compulsory according to UNI EN 12845) - 1 COUPLING is sufficient for 1 or 2 NKV sets (electric or Diesel) (Not compulsory according to UNI EN 12845)	ANTI-VIBRATING JOINT 2" - KDN 32	•	•			002139107
		ANTI-VIBRATING JOINT 2" 1/2 - KDN 40	•	•			002139108
		ANTI-VIBRATING JOINT DN 80 - KDN 50	•	•		•	002139209
		ANTI-VIBRATING JOINT DN 100 - KDN 65	•				002139210
		ANTI-VIBRATING JOINT DN 125 - KDN 80	•			•	002139211
		ANTI-VIBRATING JOINT DN 150 - KDN 100	•			•	002139212
		ANTI-VIBRATING JOINT DN 200 - KDN 125	•				002139263

PRIMING TANK		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	N. 1 per pump	PRIMING TANK (500 LT.) EN 12845	•	•			60110538

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

KIT PUMP SYSTEM		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Including 18 l expansion vessel, electric control panel, valves for the connection of the jockey pump to the main KDN pump.	**PUMP SYSTEM JET 251 T EN 12845**	•	•			60111352
		**PUMP SYSTEM DIVER 150 T EN 12845**				•	60180500
		PUMP SYSTEM DIVER 200 T EN 12845				•	60180501
		**PUMP SYSTEM S4A 25 400/50 EN 12845**			•	•	60203248

FOOT VALVE WITH STRAINER		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	No. 1 for each pump.	**FOOT VALVE WITH STRAINER VR3**				•	60179846
		FOOT VALVE WITH STRAINER VA6				•	60179847

ANTI-VORTEX DISPOSITIVE		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Vortex prevention plate, to be installed between the cork plug and the pump body, to maximise the actual capacity of the water reserves. No. 1 for each pump.	**ANTI-VORTEX DISPOSITIVE FOR SU3 AND VR3**				•	60180496
		ANTI-VORTEX DISPOSITIVE FOR SU6 AND VA6				•	60180498

GASOLINE HARVESTER TANK		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	For 1KDN sets with diesel engines between 15 and 26 kW included. 15 to 26 kW engines.	**GASOLINE HARVESTER FOR 50 L TANK (ENG. UP TO 26 KW)**	•				60176953
	For 1KDN and 1KVT sets with diesel engines between 37 and 110 kW.	**GASOLINE HARVESTER FOR 125 L TANK (ENG. 37-103 KW)**	•			•	60178461
	For 1KDN and 1KVT sets with diesel engines between 145 and 164 kW.	**GASOLINE HARVESTER 250LT TANK (ENG.145 - 164 KW)**	•			•	60168294

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

SPARE PART KIT FOR DIESEL ENGINE		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Each kit is composed of: a) 2 sets of filter elements and relative seals for fuel; b) 2 sets of filter elements and relative seals for lubricant; c) 2 sets of belts d) 1 complete set of couplings, seals and hoses for the motor; e) 2 injector nozzles.	SPARE PART KIT FOR DIESEL ENGINE 7.1-KW (15LD)	•			•	60175002
		SPARE PART KIT FOR DIESEL ENGINE 11-KW (25LD)	•			•	60115038
		SPARE PART KIT FOR DIESEL ENGINE 15-KW (12LD)	•			•	60115039
		SPARE PART KIT FOR DIESEL ENGINE 19-KW (9LD)	•			•	60115037
		SPARE PART KIT FOR DIESEL ENGINE 26-KW (11LD)	•			•	60115036
		SPARE PART KIT FOR DIESEL ENGINE 37-53-KW (D703)	•			•	60115161
		SPARE PART KIT FOR DIESEL ENGINE 73-KW (D754)	•			•	60115162
		SPARE PART KIT FOR DIESEL ENGINE 110-KW (D756)	•			•	60115163
		SPARE PART KIT FOR DIESEL ENGINE 164KW (N45 MN TF 40.10)	•			•	60143967
		SPARE PART KIT FOR DIESEL ENGINE Y 22.3-23KW (3TNV82A)	•			•	60193996
		SPARE PART KIT FOR DIESEL ENGINE Y 26.8-28KW (3TNV88)	•			•	60193997
		SPARE PART KIT FOR DIESEL ENGIN Y 35-36.4KW (4TNV88)	•			•	60193998

KIT FLOW SWITCH		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
	Suitable for sets with 1 or 2 pumps	KIT FLOW SWITCH 1" EN 12845	•	•	•	•	60114410

RECYCLE FLOW INDICATOR		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
		RECYCLE FLOW INDICATOR 3/4"	•			•	60120142

COOLING SLEEVE KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
		KIT COOLING PIPE 4" L. 400			•		60125178
		KIT COOLING PIPE 4" L. 525			•		60125179
		KIT COOLING PIPE 4" L. 885			•		60125180
		COOLING SLEEVE KIT L. 725			•		60144213
		COOLING SLEEVE KIT L. 960			•		60144217
		COOLING SLEEVE KIT L. 1.220			•		60144218
		COOLING SLEEVE KIT L. 1.490			•		60146397

ACCESSORIES

FIRE FIGHTING UNITS UNI STANDARDS EN 12845

HORIZONTAL POSITIONING KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
		**HORIZONTAL POSITIONING KIT 4”**			•		60125181
		HORIZONTAL POSITIONING KIT 6”			•		60146398

FILTER KIT		DESCRIPTION	KDN	1/2 NKV	S4 - SS 6/7/8	KVT	CODE
		**FILTER KIT 4”**			•		60125182
		FILTER KIT 6”			•		60146399

PRESSURE SWITCH		DESCRIPTION	CODE
	Spare part of pressure switch used for fire-fighting units	**PRESSURE SWITCH KPI36 2-12 BAR EN 12845**	60127439

GENERAL WARRANTY CONDITIONS (EUROPE MARKETS)

DAB Pumps SPA ("DAB" or the "Manufacturer") guarantees that any DAB branded product (the "Product" or "Products") is in compliance with the agreements and free from defects that make them unsuitable for the use for which products of the same type are normally intended.
The hereby standard warranty terms applied by DAB leave unaffected all the rights and actions according to EU directive 1999/44/CE, and subsequent amendments, in which the end user as a consumer remain beneficiary.

1 DURATION OF THE WARRANTY

1.1 All the products, including spare parts, with the exception of Evosta2 and Evosta3 are guaranteed for a period of 24 (twenty-four) months from the date of delivery or purchase, and, unless otherwise agreed between the parts, on condition that the production date code reported in the Product identification nameplate is lower than 30 (thirty) months from the notification of the lack of conformity and/or the apparent and obvious defect.

1.2 The standard warranty period of the canned rotor circulators product range Evosta2 and Evosta3 is 60 (sixty) months from the date of delivery or purchase and, unless otherwise agreed between the parts, anyway with the production date code reported in the product identification nameplate lower than 60 (sixty) months from the notification of the lack of conformity and/or the apparent and obvious defect.

1.3 The date in which the warranty period starts shall be demonstrated by the delivery note document or the invoice issued by DAB. Should not such documentation be available, the 24 (twenty-four)-month period shall be calculated from the production date code reported in the Product identification nameplate.

1.4 The repair or the replacement of either the Product or any components shall not result in any extension or renewal of the warranty period, which shall remain unvaried and shall continue to be active from the date of delivery or purchase of the same.

1.5 In the scope of the distribution and engineering, the Warranty does not take place passed 24 (twenty-four) months or 60 (sixty) months for Evosta2 and Evosta3 from the invoice date of DAB to the first or original purchaser, and, unless otherwise agreed between the parts, it does not take place passed more than 30 (thirty) months or 60 (sixty) months for Evosta2 and Evosta3 from the production date code reported in the Product identification nameplate.

2 OBLIGATION TO REPORT

2.1 The notification of the lack of conformity and/or the apparent and obvious defect shall be notified in writing, penalty of forfeiture, within 8 (eight) days from the date of delivery of the Product, while in case of hidden lack of conformity or defect within 8 (eight) days from the discovery, or from the actual date when the claim is notified and/or the demand from third parties.

3 WARRANTY TERMS

3.1 The defected product shall arrive free at destination (Delivery At Place) to either DAB or one of the appointed Service Partners.
For the identification of the above please refer to DAB website www.dabpumps.com. The appointed subjects shall determine the lack of conformity or the defect of the Product, verifying the delivery note document or invoice paperwork to apply the Warranty.

3.2 Should the presence of either lack of conformity or defects of the Product be ascertained, the Customer has right of either the complete replacement, the replacement of some parts or the free repair of the same. The decision of either the complete replacement, the replacement of some parts or the free repair of the Product shall be up to either DAB or the appointed Service Partners. As alternative DAB may recognize a price reduction or, where already paied, a partial refund, considering the level of use and the age of the Product where defects are ascertained.

3.3 The Product, arrived to the appointed Subject, shall not be previously dismantled or tampered. In case of submersible pumps or submersible motors, the Product shall be delivered together with the cable junction if present. Due to health and safety reasons, the pumps shall be delivered clean.

3.4 The replaced Products or the replaced components of the defected/non-conforming Products shall be returned back to DAB who shall become owner of the sames.

3.5 The return of the repaired/replaced Product, either partially or fully under Warranty, shall be free at destination (Delivery At Place).

3.6 Should the repair under Warranty of the Product be carried out in the installation site (generally for unmovable Products), DAB will make available to the applicant the appointed Subjects. Should the on-site intervention be ascertained not covered by the Warranty, the costs shall be charged to whom requested the on-site intervention.

3.7 DAB Pumps SPA does not guarantee the operational continuity of service, including for the system connected to the non-conforming/defected Product. Although the concession of the Warranty for the defected/non-conforming Product, DAB declines as of now any liability for potential direct or consequential damages/losses caused by such Products, also to third parties. DAB shall not refund the costs for removing or reinstalling the sames, or the costs for the installation of replacement Products, although used to cover the repair time.

3.8 Any problem related to the Warranty does not authorize the Purchaser of the Product to suspend any contractual obligation.

3.9 The Warranty takes place only if the payment of the Product is completely settled.

4 EXCLUSIONS OF THE WARRANTY

4.1 DAB Pumps SPA shall not be liable of non-conformities, defects or damage to the Products in the cases as follow:

4.1.1 if the non-conformity, defect or damage is due to drawings, design/projects, information, instructions, software, materials, semi-finished products, component or anything else supplied by the Purchaser, or by any third parties on behalf of the same.

4.1.2 if the non-conformity, defect or damage is due to tampering, repairs or modifications of the Product not carried out by either DAB or the appointed Subjects.

4.1.3 if the non-conformity, defect or damage is due to an incorrect installation of the Product, or rather not implementing all the necessary precautions to ensure the performance in a workmanlike manner.

4.1.4 if the non-conformity, defect or damage is due to either a failure to protect the product or inappropriate protections, or to errors in the connection of the Product.

4.1.5 if the non-conformity, defect or damage is due to the use of corrosive liquids and/or any unintended liquid not contemplated in the documentation delivered together with the Product.

4.1.6 if the non-conformity, defect or damage is due to the use of liquids with the presence of suspended solids in quantities greater than what allowed.

4.1.7 if the non-conformity, defect or damage is due to normal wear and tear of the Product.

4.1.8 if the non-conformity, defect or damage is due to an incorrect use of the Product (i.e. overload beyond the limits of the Product).

4.1.9 if the non-conformity, defect or damage is due to an occurrence taking place after that the risks are transferred to the Purchaser.

4.1.10 if the non-conformity, defect or damage is due to a proven inadequacy od insufficiency of the electrical system, the supply system, or due to changes resulting from environmental or climate conditions, or conditions of any other nature.

4.1.11 if all the activities of installation, connection to the hydraulic and electrical networks, use and maintenance are not carried out in strict compliance with the instructions and warnings of the Product instruction Booklet/Manual/Quick Guide, the documentation delivered with the Product and according to technical and safety standards.

4.1.12 if the non-conformity, defect or damage is due to improper and/or incorrect use of the Product, not in compliance or against with the indications of the Product instruction Booklet/Manual/Quick Guide, or if the product is used for purposes other than its intended purpose.

4.1.13 if the non-conformity, defect or damage is due to defects/failures of the systems or equipments the Product is connected to.

4.1.14 if the non-conformity, defect or damage is due to damage in transit in charge of either the Purchaser or appointed carriers.

4.1.15 if the non-conformity, defect or damage is due to the use of non-original spare parts, components or accessosories.

4.1.16 if the non-conformity, defect or damage is due to the transportation.

4.1.17 if the non-conformity, defect or damage is due to unforeseeable circumstances or force majeure, i.e. fire, theft, natural events, frost, vandalism, incidents, etc.

4.1.18 if the non-conformity, defect or damage is due to inefficiency or non-conformity to current regulations of (parts of) the system the Product is connected to/integrated with.

4.2 DAB Pumps SPA shall not be liable of any damage which might, directly or consequentially, derive to people or things, due to disrespect of the prescriptions reported in the Product instruction Booklet/Manual/Quick Guide, concerning the installation, the use and the maintenance of the Product.

5 PRODUCTS INSTALLED ABROAD

5.1 For Products sold by DAB, but installed abroad considering the country where they were sold from, the above conditions remain valid, with the exception that the non-conforming/defected shall be returned to one of the authorized Subjects free at destination (Delivery At Place).

6 COMPETENT JURISDICTION

6.1 The Agreement, and any dispute or claim arising out of or in connection with it or its formation (including non-contractual disputes or claims) is governed by and constructed in accordance with the laws of Italy, without reference to the conflict of laws or principles thereof which may cause the application of the laws of another country.

6.2 The court of the Padua shall have exclusive jurisdiction to hear and decide any suit action or proceedings, and/or to settle any disputes which may arise out of or in any way relate to these terms and conditions.

GENERAL WARRANTY CONDITIONS (EXTRA EU MARKETS)

DAB Pumps SPA ("DAB" or the "Manufacturer") guarantees that any DAB branded product (the "Product" or "Products") is in compliance with the agreements and free from defects that make them unsuitable for the use for which products of the same type are normally intended.

1. DURATION OF THE WARRANTY

1.1 All the products, including spare parts, are guaranteed for a period of 24 (twenty-four) months from the date of delivery or purchase, and, unless otherwise agreed between the parts, on condition that the production date code reported in the Product identification nameplate is lower than 30 (thirty) months from the notification of the lack of conformity and/or the apparent and obvious defect.

1.2 The date in which the warranty period starts shall be demonstrated by the delivery note document or the invoice issued by DAB. Should not such documentation be available, the 24 (twenty-four)-month period shall be calculated from the production date code reported in the Product identification nameplate.

1.3 The repair or the replacement of either the Product or any components shall not result in any extension or renewal of the warranty period, which shall remain unvaried and shall continue to be active from the date of delivery or purchase of the same.

1.4 In the scope of the distribution and engineering, the Warranty does not take place passed 24 (twenty-four) months from the invoice date of DAB to the first or original purchaser, and, unless otherwise agreed between the parts, it does not take place passed more than 30 (thirty) months from the production date code reported in the Product identification nameplate.

2. OBLIGATION TO REPORT

2.1 The notification of the lack of conformity and/or the apparent and obvious defect shall be notified in writing, penalty of forfeiture, within 8 (eight) days from the date of delivery of the Product, while in case of hidden lack of conformity or defect within 8 (eight) days from the discovery, or from the actual date when the claim is notified and/or the demand from third parties.

3. WARRANTY TERMS

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CERTIFICATES

CSQ
www.imq.it

CISQ is a member of IQNet
www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

CERTIFICATO N.
CERTIFICATE N. **9101.COGE**

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)

UNITA' OPERATIVE / *OPERATIVE UNITS*

Vedere gli Allegati per le Unità Operative (n° 6 pagine)
View the Annexes for the Operative Units (n° 6 pages)

E' CONFORME ALLA NORMA / *IS IN COMPLIANCE WITH THE STANDARD*
ISO 9001:2015

PER LE SEGUENTI ATTIVITA' / *FOR THE FOLLOWING ACTIVITIES*

Progettazione, produzione, commercializzazione e assistenza di pompe, elettropompe, gruppi di pompaggio e sistemi elettronici di controllo per acqua fredda, calda ad uso civile, industriale ed agricolo e relativi componenti ed accessori
Design, production, sale and assistance of pumps, electric pumps, pumping units and electronic control systems for cold and hot water, for residential, industrial and agriculture use including components and accessories

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione
Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATE:	PRIMA CERTIFICAZIONE *FIRST CERTIFICATION*	EMISSIONE CORRENTE *CURRENT ISSUE*	SCADENZA *EXPIRY*
	1995-07-17	2021-05-11	2024-05-27

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Ornago

ACCREDIA
SGQ N° 005 A
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

IAF: 18, 19, 29

La validità del certificato è subordinata a sorveglianza annuale e riesame completo del Sistema di Gestione con periodicità triennale
The validity of the certificate is subordinate to annual audit and a reassessment of the entire management System within three years

IMQ
Organismo di Certificazione Federato CISQ
www.imq.it

FEDERAZIONE CISQ
www.cisq.com
CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.

CSQ
www.imq.it

CISQ is a member of IQNet
www.iqnet-certification.com

IQNet, the association of the world's first class certification bodies, is the largest provider of management System Certification in the world. IQNet is composed of more than 30 bodies and counts over 150 subsidiaries all over the globe.

ALLEGATO N. **9101.COGE-1**
ANNEX N.

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)
DAB PUMPS SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD)

Attività:
Activities:

Progettazione, produzione, commercializzazione e assistenza di pompe, elettropompe, gruppi di pompaggio e sistemi elettronici di controllo per acqua fredda, calda ad uso civile, industriale ed agricolo e relativi componenti ed accessori
Design, production, sale and assistance of pumps, electric pumps, pumping units and electronic control systems for cold and hot water, for residential, industrial and agriculture use including components and accessories

IL PRESENTE ALLEGATO HA LO SCOPO DI ESPLICITARE LE ATTIVITA' SVOLTE PRESSO IL SINGOLO SITO/UNITA' OPERATIVA NELL'AMBITO DELLA CERTIFICAZIONE DEL SISTEMA DI GESTIONE RILASCIATA A DWT HOLDING SPA
THE AIM OF PRESENT ANNEX IS TO EXPLAIN THE ACTIVITIES PERFORMED IN EACH SITE/OPERATIVE UNIT OF THE MANAGEMENT SYSTEM CERTIFICATION ISSUED TO DWT HOLDING SPA

PER LA VALIDITA' RIFERIRSI AL CERTIFICATO N. 9101.COGE
FOR THE VALIDITY PLEASE REFER TO CERTIFICATE N. 9101.COGE

DATE:	PRIMA CERTIFICAZIONE *FIRST CERTIFICATION*	EMISSIONE CORRENTE *CURRENT ISSUE*	SCADENZA *EXPIRY*
	1995-07-17	2021-05-11	2024-05-27

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Ornago

ACCREDIA
SGQ N° 005 A
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

Il presente documento integra il certificato n. 9101.COGE
This document is a part of certificate n. 9101.COGE

IAF: 18, 19, 29

La validità del certificato è subordinata a sorveglianza annuale e riesame completo del Sistema di Gestione con periodicità triennale
The validity of the certificate is subordinate to annual audit and a reassessment of the entire management System within three years

IMQ
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FEDERAZIONE CISQ
www.cisq.com
CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendale.
CISQ is the Italian Federation of management system Certification Bodies.

SCAN HERE
For more information.

PUMPS SELECTOR

On-line product selection

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WATER•TECHNOLOGY

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www.dabpumps.com