



We make
water easy

**GENERAL
CATALOGUE EU 50Hz**
51.J 2026

Valid from January 1, 2026



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[®]
MAKING WATER EASY

NEW

EsyBox Pop: Maximum pressure minimum size

The latest revolution in the EsyBox Line:
all of DAB's technology in a new
lightweight, compact, silent and
all-in-one design.



Perfect pressure



All-in-one



Compact and light



Smart and connected



Quick maintenance



**Small size,
big performance**

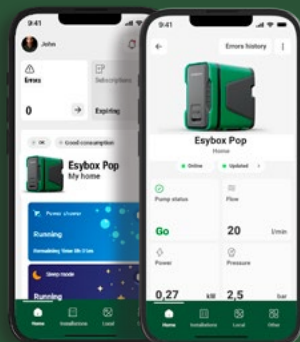


Maximum versatility



Intuitive setup

Compatible
with





Discover more

With H2D, systems have no secrets

The smart platform for managing DAB devices remotely



Optimize time and work



Problem fixed first time, every time



Little or no disruption



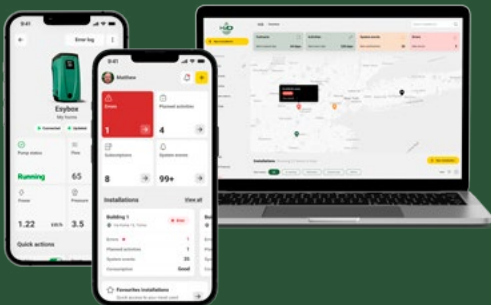
More service and less urgent callouts = increased profit



Satisfied customers



Simplified interface for consumption and comfort functions



H2D is the smart platform for professionals and end users that manages all the new generation DAB pumps. Dedicated to those who look to the future for solutions that respect the environment while offering maximum comfort.



DAB
MAKING WATER EASY

FEKA VS

NEW

NO. 1 FOR RELIABILITY. EVERY TIME, IN EVERY SITUATION



OPTIMIZED HYDRAULIC
FOR SUPERIOR
EFFICIENCY



**GREATER COMPACTNESS AND
REDUCED WEIGHT** COMPARED
TO THE PREVIOUS VERSION



NEW 1500 SIZE
FOR A WIDER PERFORMANCE
RANGE



FOR WORRY-FREE
WASTEWATER HANDLING.

Feka VS is DAB's new-improved submersible pump for handling wastewater in domestic/residential and commercial settings, made entirely from stainless steel.



DAB
MAKING WATER EASY

NEW 2026

esybox pop

MAXIMUM PRESSURE MINIMUM SIZE

The latest revolution in the EsyBox Line: all of DAB's technology in a new lightweight, compact, silent and all-in-one design.

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evoplus⁺

THE BARE MAXIMUM

Meet the new face of circulation: a design that translates into reliability and efficiency, tailored to individual system needs.

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FEKA VS

DAB'S UPGRADED RANGE OF SUBMERSIBLE PUMPS FOR WASTEWATER:

as reliable as ever, with improved hydraulics.

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DAB SERVICES

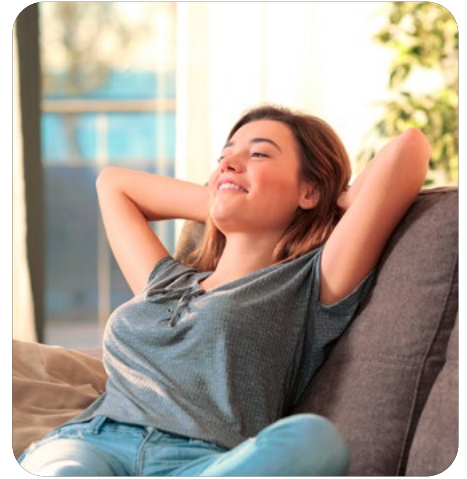


RELIABLE SUPPORT FOR
A LONG-LASTING SYSTEM

DISCOVER 

DIGITAL SOLUTIONS MAINTENANCE PACK

CONTINUOUS MONITORING SERVICE



DIGITAL SOLUTIONS MAINTENANCE 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






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.



...THE EVOLUTION OF DCONNECT AND DAB LIVE!
FOR PROFESSIONALS AND END USERS

WORK JUST GOT SMARTER



H2D SIMPLIFIES WORK ROUTINES: IT'S THE IDEAL TOOL FOR MEETING CUSTOMER NEEDS IN AN INSTANT AND GROWING YOUR BUSINESS.



H2D TOOLS DELIVER PROFESSIONAL OUTCOMES AND BENEFITS FOR ALL

Improving workflows means freeing up time to focus on other areas of your business. By choosing H2D, you improve customer service, reduce the number of emergencies and grow your business, effortlessly.



OPTIMIZE TIME AND WORK

On-site work is no longer always required: H2D allows systems to be controlled remotely and, where needed, work on site is easier to plan.



LITTLE OR NO DISRUPTION

Remote monitoring reports faults in real time and allows you to address potential issues before they become a problem, and take prompt remedial action where required, ultimately reducing any disruption.



SATISFIED CUSTOMERS

With parameters optimized remotely, consistently smooth system operation is assured: the customer will never experience water issues again.



PROBLEM FIXED FIRST TIME, EVERY TIME

When there's no choice but to go to site, H2D provides all the info you need to prepare the job beforehand for a quick and permanent fix, so the technician can get everything done in one go.



MORE SERVICE AND LESS URGENT CALLOUTS = INCREASED PROFIT

With remote control of systems, it's easy to offer 24/7 monitoring and preventive maintenance services. Systems are less prone to faults and emergencies, meanwhile your business grows.



BENEFITS FOR EVERY USER

Having satisfied customers is a real joy, as well as a point of professional pride: with H2D, it's easy to keep house, apartment and small business owners and condominium property managers happy.

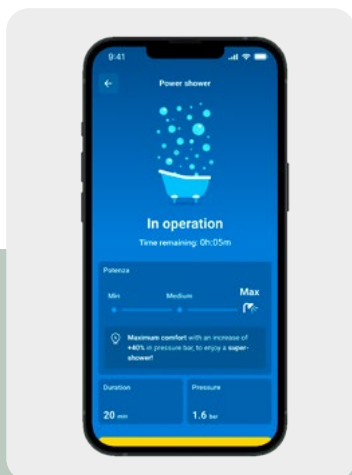
...AND FOR YOUR HOME TOO!

NOT JUST FOR PROFESSIONALS: H₂D IS FOR EVERYONE WHO LIVES IN THE HOME. THANKS TO INTELLIGENT FEATURES, IT TAKES COMFORT TO THE TOP, MONITORS CONSUMPTION AND DETECTS ANY IRREGULARITIES.



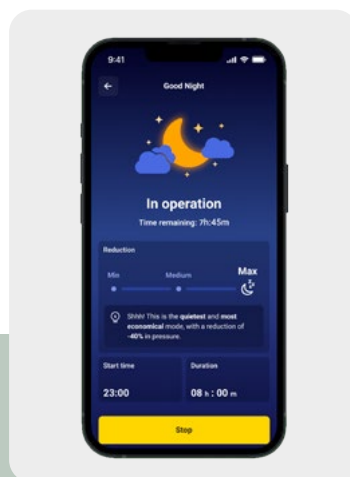
POWER SHOWER

To turn a regular shower into a "power shower", you need to boost water pressure to the max. H₂D lets you increase pressure parameters just for the time it takes to shower, while reducing usage for the rest of the day. Comfort guaranteed, every time.



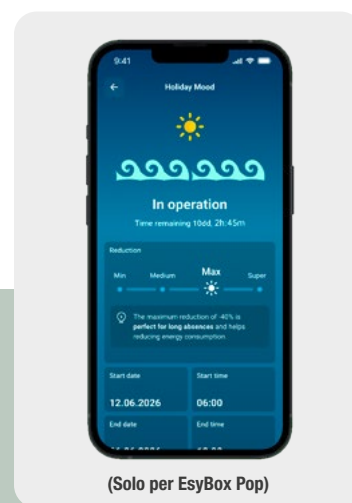
GOOD NIGHT

During the night, when even a slight buzz can sound noisy, you can turn on sleep mode, switching the already super quiet pump to whisper-quiet operation.



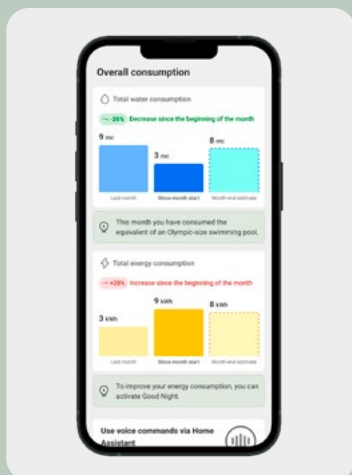
HOLIDAY MOOD

This important feature helps minimise device activity, thereby saving energy during vacations or extended periods when you are away.



OVERVIEW

On H₂D, you can get a real-time overview of your usage and the operating status of your system: if something's not right, contact customer support right away.



SMART HOME, TALK TO ESYBOX.

If you prefer, you can control comfort modes simply by talking to Alexa and Google Home voice assistants. Even while you're in the shower!

Activate Good Night



Activate Power shower

Getting started and using H₂D is easy: download the app, create your profile and off you go!



H₂D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY



H₂D SUBSCRIPTIONS: BASIC AND PREMIUM PLANS

The app offers a free set of functions and becomes an irreplaceable working tool thanks to the available subscription solutions.



PROFESSIONALS

	BASIC	PREMIUM
REMOTE MONITORING BASIC PARAMETERS	✓	✓
REMOTE MONITORING AND CONTROL ALL PARAMETERS		✓
ALARMS: VIEW AND EXPORT (PDF, CSV)	Last alarm	Complete alarm log
IN-APP PUSH NOTIFICATIONS ALARMS AND EXPIRY DATES	✓	✓
SHARE OR TRANSFER INSTALLATION	Max. 2 utenti	Max. 10 utenti
COMPARE CURRENT / PREVIOUS MONTH CONSUMPTION	✓	✓
ANNUAL CONSUMPTION HISTORY (DAY, WEEK, MONTH)		✓
PDF DEVICE INSTANT REPORTING		✓



FINAL USERS

	BASIC	PREMIUM
COMPARE CURRENT / PREVIOUS MONTH CONSUMPTION	✓	✓
ANNUAL CONSUMPTION HISTORY (DAY, WEEK, MONTH)		✓
CONTROL BASIC PARAMETERS		✓
COMFORT FUNCTIONS: POWER SHOWER, GOOD NIGHT MODE	✓	✓
HOME ASSISTANTS (ALEXA, GOOGLE HOME)	✓	✓
ALARM DISPLAY	Last alarm only	Complete alarm log
IN-APP PUSH NOTIFICATIONS	✓	✓
REMOTE MONITORING BASIC PARAMETERS	✓	✓

Basic

Free

No expiration

- Real-time data
- Access to the main monitoring functions

Premium 1-1



20€*

1 year duration

- 1 month data retention
- Starter subscription option

Try it FREE for 2 months!

Premium 1-12



37€*

1 year duration

- 12 months data retention
- Advanced subscription option

Premium 3-12



80€*

3 years duration

- 12 months data retention
- Most comprehensive subscription option

* Net price - annual price per pump

For more information visit: h2d.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



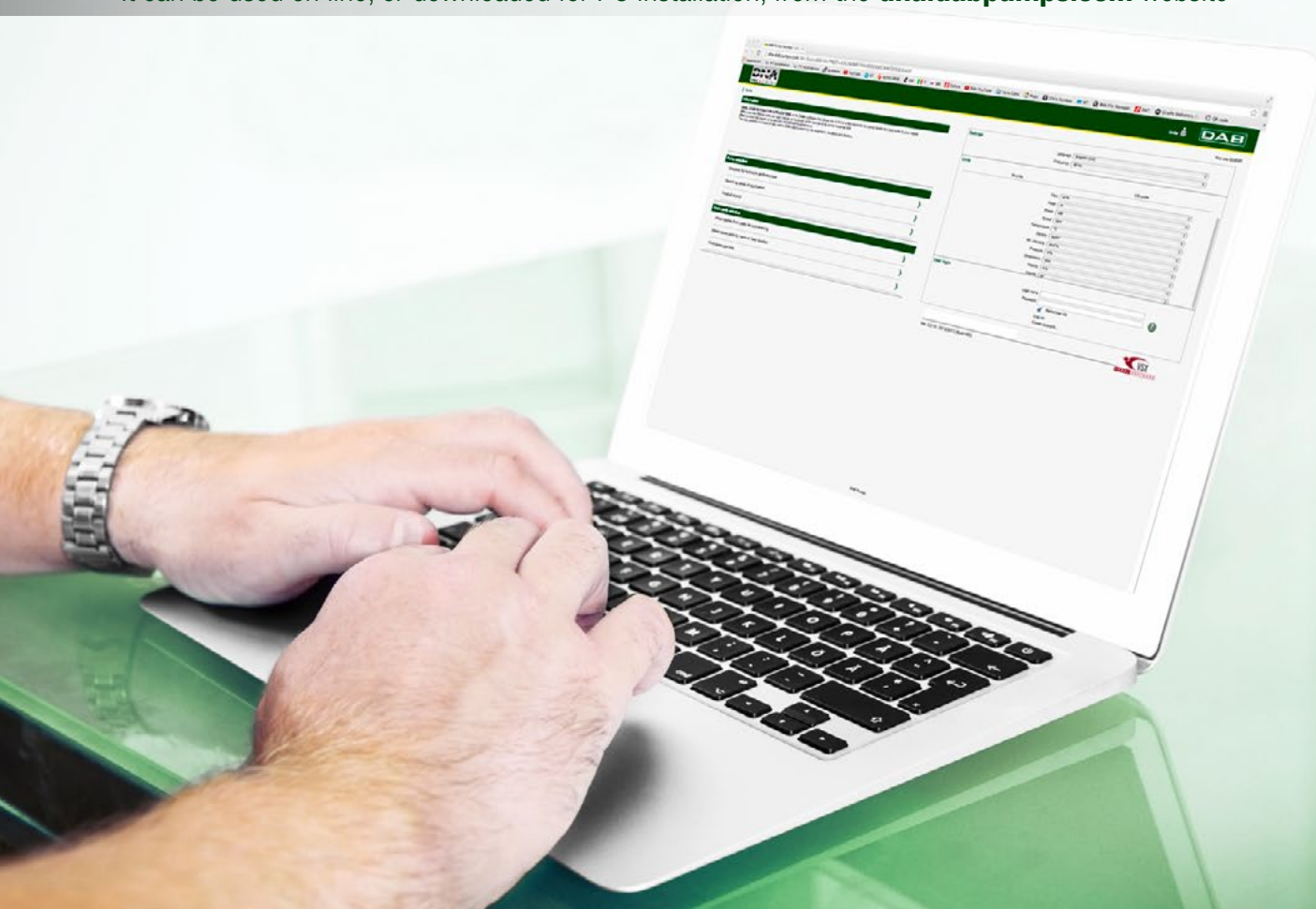
Frequent update and ease of use

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




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ELECTRONIC WET-ROTOR
CIRCULATORS

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ELECTRONIC WET-ROTOR
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EVOPLUS LITE SAN
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ELECTRONIC CIRCULATORS
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EVOPLUS
ELECTRONIC CIRCULATORS
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EVOPLUS SMALL SAN
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EVOPLUS SAN
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VA
WET ROTOR CIRCULATORS

ONLY FOR EXTRA MARKETS EU

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A, B, D
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BPH, BMH, DPH, DMH
WET ROTOR CIRCULATORS


ONLY FOR EXTRA MARKETS EU

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CP2E, CP2-GE / DCP2E, DCP2-GE
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CPE, CP-GE / DCPE, DCP-GE - MCE-C - 2 POLES
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KLM, KLP / DKLM, DKLP
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CM2, CM2-G / DCM2, DCM2-G
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CM, CM-G / DCM, DCM-G
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CP, CP-G / DCP, DCP-G
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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.

TEMPERATURE DIFFERENCE BETWEEN FLOW - RETURN	HEATING BOILER SIZE		
	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 m³/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.

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

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

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

EXAMPLE OF SIZING

EXAMPLE	CALCULATION	INDICATIVE PUMP CHOICE
<p>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> 	<p>$P = 25kW$ $\Delta T = 15^\circ C$</p> <p>$Q = 25 / (1,16 \times 15) = 1,4 m^3/h$ $H = 0,15 \times 25 = 3,75 m$</p>	 <p>EVOSTA 2</p>

EVOSTA RANGE



Only for EU markets



A new range for the market of tomorrow

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.

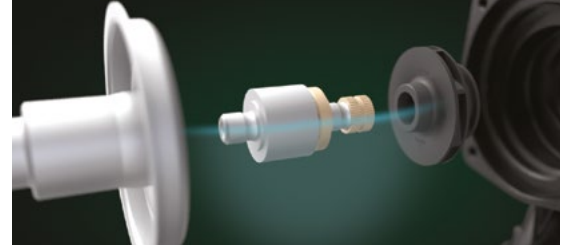
The IPX5 degree of protection is tested by firing a water jet from a 6.3 mm nozzle from every direction to ensure the water-tightness of the circulator.



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

ELECTRONIC WET-ROTOR CIRCULATORS



DAB's Evosta 2 is an electronic wet-rotor circulator designed for water recirculation in heating and air conditioning systems in domestic and residential installations.

Evosta 2 has a permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Ideal for replacing old three-speed circulators, both for its compact size and for the completeness offered in terms of performance. It offers the robustness of a mechanical circulator combined with the advantages of an electronic one.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant speed.

All models have an air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Cataphoresis treated cast iron pump body, stainless steel motor casing. Water-resistant electronics with IPX5 protection degree.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 to 3.6 m³/h with head up to 6.9 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure 10 bar (1000 kPa).

Protection degree IPX5.

Insulation class F.

Installation with horizontal motor shaft.

Standard power supply

single-phase 1x230V/50/60 Hz.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

EVOSTA 2



ONLINE
TRAINING



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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA										EEI	WEIGHT KG	QTY PER PALLET								
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h		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	0				5	10	15	30	40	50	60	
EVOSTA2 40-70/130 (1/2")	60186047	130	DN15 THREADED (G 1")	1x230V ~	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 1/2")	1x230V ~	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 1/2")	1x230V ~	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 THREADED (G 2")	1x230V ~	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

ELECTRONIC WET-ROTOR CIRCULATORS



DAB's Evosta 3 is an electronic wet-rotor circulator designed for water recirculation in heating and air conditioning systems in domestic and residential installations.

It is the first circulator with protection degree IPX5. Permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant curve.

All models have an air vent plug, an auto-venting function and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Includes insulation shells. Cataphoresis treated cast iron pump body, stainless steel motor casing.

Evosta 3 is equipped with a display to show the height in metres of the selected curve, instantaneous power absorption in watts, instantaneous head and instantaneous flow rate. Thanks to the new interchangeable standard Evosta 3 plug, it can also be powered from other brands' connectors without rewiring.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 - 4.2 m³/h with head up to 8 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure

10 bar (1000 kPa).

Protection degree

IPX5.

Insulation class

F.

Installation

with horizontal motor shaft.

Standard power supply

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

Pumped liquid

clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

EVOSTA 3



ONLINE
TRAINING



ErP
COMPLIANT

ACCESSORIES
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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA											EEI	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h	0	0.4	0.6	0.9	1.2	1.8	2.1	2.9	EEI	WEIGHT KG				QTY PER PALLET
							Q=l/min	0	6	10	15	20	30	35	48						
EVOSTA3 40/130 (1/2")	60186088	130	DN15 THREADED (G 1")	1x230V ~	20	0,034 -0,18	H(m)	4	4	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 1/2")	1x230V ~	20	0,034 -0,18		4	4	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 1/2")	1x230V ~	20	0,034 -0,18		4	4	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")	1x230V ~	20	0,034 -0,18		4	4	3.5	2.9	2.5	1.7	1.3	0.5	≤0,17	2.38	168			

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA											EEI	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h	0	0.6	1.2	1.5	2.1	2.4	3.0	3.6	EEI	WEIGHT KG				QTY PER PALLET
							Q=l/min	0	9	20	25	35	40	50	60						
EVOSTA3 60/130 (1/2")	60186090	130	DN15 THREADED (G 1")	1x230V ~	35	0,042 -0,33	H(m)	6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	1.9	168			
EVOSTA3 60/130 (1")	60186052	130	DN25 THREADED (G 1 1/2")	1x230V ~	35	0,042 -0,33		6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	2.05	168			
EVOSTA3 60/180 (1")	60185506	180	DN25 THREADED (G 1 1/2")	1x230V ~	35	0,042 -0,33		6	6	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 THREADED (G 2")	1x230V ~	35	0,042 -0,33		6	6	4.4	3.8	2.8	2.3	1.5	0.7	≤0,18	2.38	168			

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA											EEI	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h	0	0.6	0.9	1.2	2.7	3.3	3.9	4.2	EEI	WEIGHT KG				QTY PER PALLET
							Q=l/min	0	10	15	20	45	55	65	70						
EVOSTA3 80/130 (1/2")	60186091	130	DN15 THREADED (G 1")	1x230V ~	55	0,053 -0,47	H(m)	8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	1.9	168			
EVOSTA3 80/130 (1")	60186087	130	DN25 THREADED (G 1 1/2")	1x230V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.05	168			
EVOSTA3 80/180 (1")	60185505	180	DN25 THREADED (G 1 1/2")	1x230V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.22	168			
EVOSTA3 80/180X (1"1/4)	60186085	180	DN32 THREADED (G 2")	1x230V ~	55	0,053 -0,47		8	8	7.2	6.5	3.7	2.6	1.6	1	≤0,19	2.38	168			

EVOSTA 2 SOL

ELECTRONIC WET-ROTOR CIRCULATORS



EVOSTA 2 SOL

DAB's Evosta 2 Sol is an electronic wet-rotor circulator designed for water recirculation in solar panel heating systems in domestic and residential installations.

Equipped with a permanent magnet synchronous motor and variable frequency drive electronics that automatically adapts performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the operating modes.

All models have an air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Technopolymer impeller. Cataphoresis treated cast iron pump body, stainless steel motor casing.

A version with an external PWM signal is available (cable with 1.5 m connector). MOLEX power cable with 1.5 m connector. The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0 - 4 m³/h with head up to 14.5 metres.

Liquid temperature range

-10°C to +110°C (130°C with 60°C ambient).

Working pressure

10 bar (1000 kPa).

Insulation class

F. Installation with horizontal motor shaft.

Standard power supply

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

Power cable

MOLEX connector with 1.5 m cable.

PWM signal cable

PWM connector with 1.5 m cable (SOL PWM versions only)

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA											EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ h	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 75/130 SOL (1")	60188404	130	DN25 THREADED (G 1 1/2")	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 1/2")	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 (1/2")	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 105/130 SOL (1")	60188421	130	DN25 THREADED (G 1 1/2")	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 1/2")	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 (1/2")	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 145/130 SOL (1")	60188429	130	DN25 THREADED (G 1 1/2")	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 1/2")	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 COUP.	ELECTRICAL DATA			HYDRAULIC DATA											EEI	WEIGHT KG	QTY PER PALLET
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ h	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 75/130 SOL PWM (1")	60188443	130	DN25 THREADED (G 1 1/2")	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 1/2")	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 (1/2")	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 105/130 SOL PWM (1")	60188445	130	DN25 THREADED (G 1 1/2")	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 1/2")	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 (1/2")	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 145/130 SOL PWM (1")	60188448	130	DN25 THREADED (G 1 1/2")	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 1/2")	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

ELECTRONIC WET-ROTOR CIRCULATORS



EVOSTA 2 SAN V/R

DAB's Evosta 2 San is a wet-rotor circulator designed to circulate domestic hot water in small systems in domestic and residential installations.

Synchronous motor. Threaded suction and delivery ports. Brass pump body.

V versions with fittings with built-in non-return valve and ball gate valve, R versions with threads without non-return valve and gate valve.

Consistent energy savings, the circulator consumes only 7 W.

Operating range

0 - 0.6 m³/h with head up to 1.1 metres.

Liquid temperature range

+2 °C to +75 °C.

Working pressure 10 bar (1000 kPa).

Protection degree IP42.

Motor insulation class II.

Installation

fixed with horizontal motor shaft.

Standard power supply

single-phase 1x 230 V/50/60 Hz.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral.



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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA							WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h	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
EVOSTA2 11/85 SAN R1/2" CIRC.	60187267	85	G 1/2" internal thread	1x115-230V~ 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	G 1" external thread	1x115-230V~ 50/60 Hz	7	0.07		1.1	0.93	0.76	0.59	0.4	0.23	0.7	1.26	200

GROUPING: F9

EVOSTA 2 SAN

ELECTRONIC WET-ROTOR CIRCULATORS



EVOSTA 2 SAN

DAB's Evosta 2 San is an electronic wet-rotor circulator designed to circulate domestic hot water in systems in domestic and residential installations.

The permanent magnet synchronous motor and variable frequency drive electronics automatically adapt performance to system demands, saving energy and protecting against water hammer.

Easy to set up: a sequential button allows you to scroll through the nine operating modes, three proportional pressure, three constant pressure, three constant speed curves.

All models have a brass air vent plug and allow manual release of the motor shaft. Threaded suction and delivery ports. Bronze pump body. Electronics protected against water ingress with IPX5 protection. No overload protection required.

The calcium removal cartridge included keeps the motor shaft in perfect condition, preventing the normal limescale build-up that can occur inside the circulator if air bubbles are present during initial installation.

Operating range

0.4 to 4.2 m³/h with head up to 8 metres.

Liquid temperature range

-10 °C to +110 °C.

Working pressure 10 bar (1000 kPa).

Protection degree IPX5.

Insulation class F.

Installation

fixed with horizontal motor shaft.

Standard power supply

single-phase 1x 230 V/50/60 Hz

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water.



ONLINE
TRAINING

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MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA							WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h	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 1/2")	1x230V ~	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 1/2")	1x230V ~	55	0,053 -0,47		8	7.2	5.4	4.2	3.2	2.1	1	2.16	198

EVOPLUS LITE

WET ROTOR ELECTRONIC CIRCULATORS



Energy-efficient circulator pump, ideally suited to heating and air-conditioning applications, designed to suit any systems demanding efficiency and reliable performance, as well as versatility.

Reliable and long-lasting, once installed, it requires no further attention, outside of routine maintenance. Key to its versatility is the motor head, which can be turned to three different positions to accommodate the requirements of even the tightest spaces; there is the possibility to achieve up to six different performance levels (curves).

Increased separation between the motor and electronics with air circulating; sleep Mode function with automatic water circulating every 25 hours.

Only one plug and play connector; only one set-up button; easy to monitor thanks to intuitive interface, and the 7-LED display is easy to read.

Technopolymer impeller; aluminum motor shaft mounted on graphite bearings, lubricated by the actual fluid being pumped. Synchronous motor with permanent magnet rotor. Standard bling flange if maintenance of one of two motors is needed.

Single version available with 1 1/2" and 2" threaded connections, and with DN 32 and DN 40, PN 6 / PN 10 / PN 16 flanged connections.

Operating range from 2 to 12,5 m³/h with up to 12 meters head.

Liquid temperature range -20 °C to +110 °C.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, properties akin to water. (max. glycol 50%).

Maximum working pressure 16 bar (1600 kPa).

Circulator protection degree IP X4.

Insulation class F.

Installation with horizontal motor shaft.

Standard flanged connections DN 32, DN 40 PN 6 / PN 10 / PN 16 (4 slots).

Maximum ambient temperature +40°C.

Required NPSH The values are given in the relevant tables.

Accessories 1/2"F, 3/4"F, 1"F, 1 1/4"F, 1 3/4"AM union fittings DN 32 PN 10 and DN 40 PN 10 threaded mating flanges.

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

Standard voltage Sound pressure level: ≤ 33 dB(A).

EVOPLUS LITE



SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			EEI PART 2	HYDRAULIC DATA											WEIGHT KG	Q.TY x PALLET	
				POWER INPUT 50/60 Hz	P1 MAX W	In A		Q=m ³ /h	0	1.8	2.4	3	4.2	5.4	6.6	7.8	9	10.2			11.4
								Q=l/min	0	30	40	50	70	90	110	130	150	170			190
EVOPLUS LITE 60/180-25	60218203	180	-	220/240V	98	0.78	EEI ≤ 0,20	H (m)	6.1	6.1	6	5.6	4.6	3.4	2.2	1				3.4	92
EVOPLUS LITE 80/180-25	60218204	180	-	220/240V	129	1.04	EEI ≤ 0,20		8	8	7.9	7.5	6.2	4.8	3.5	2.2	0.9			3.4	92
EVOPLUS LITE 120/180-25	60218205	180	-	220/240V	184	1.49	EEI ≤ 0,20		12	12	11.5	10	8.5	7.1	5.7	4.3	2.9	1.5		3.4	92
EVOPLUS LITE 60/180-32	60218206	180	-	220/240V	98	0.78	EEI ≤ 0,20		6.1	6.1	6	5.6	4.6	3.4	2.2	1				3.5	92
EVOPLUS LITE 80/180-32	60218207	180	-	220/240V	129	1.04	EEI ≤ 0,20		8	8	7.9	7.5	6.2	4.8	3.5	2.2	0.9			3.5	92
EVOPLUS LITE 120/180-32	60218208	180	-	220/240V	187	1.49	EEI ≤ 0,20		12	12	10.6	9.7	8.5	7.3	5.7	4.3	2.9	1.5		3.5	92

SINGLE WITH FLANGES

DN 32

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			EEI PART 2	HYDRAULIC DATA											WEIGHT KG	Q.TY x PALLET	
				POWER INPUT 50/60 Hz	P1 MAX W	In A		Q=m ³ /h	0	1.8	2.4	3	4.2	5.4	6.6	7.8	9	10.2			11.4
								Q=l/min	0	30	40	50	70	90	110	130	150	170			190
EVOPLUS LITE 60/220-F32	60218209	220	DN32 PN6	220/240V	97	0.78	EEI ≤ 0,20	H (m)	6	6	6	5.5	4.5	3.5	2.6	1.6	0.7			6.3	64
EVOPLUS LITE 80/220-F32	60218210	220	DN32 PN6	220/240V	127	1.04	EEI ≤ 0,20		8	8	7.8	6.9	5.8	4.7	3.6	2.5	1.5			6.3	64
EVOPLUS LITE 120/220-F32	60218211	220	DN32 PN6	220/240V	185	1.49	EEI ≤ 0,20		12	12	10.6	9.7	8.5	7.3	6.1	4.9	3.7	2.5	1.3	6.3	64

DN 40

EVOPLUS LITE 60/250-F40	60218212	250	DN40 PN 10	220/240V	97	0.78	EEI ≤ 0,20	H (m)	6	6	6	5.5	4.5	3.5	2.6	1.6	0.7			6.7	64
EVOPLUS LITE 80/250-F40	60218213	250	DN40 PN 10	220/240V	128	1.04	EEI ≤ 0,20		8	8	7.9	7	5.9	4.9	3.9	2.8	1.8	0.8		6.7	64
EVOPLUS LITE 120/250-F40	60218214	250	DN40 PN 10	220/240V	186	1.49	EEI ≤ 0,20		12	12	10.6	9.7	8.5	7.3	6.1	4.9	3.7	2.5	1.3	6.7	64

EVOPLUS LITE SAN

WET ROTOR ELECTRONIC CIRCULATORS



DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



Energy-efficient circulator pump is designed to suit any systems demanding efficiency and reliable performance, as well as versatility.

The SAN version, featuring a bronze pump casing, has been specifically developed for recirculating domestic hot water: using the constant-temperature operating mode, the temperature of the water in the recirculation piping is controlled, without the need to use thermostatic valves, thus optimizing comfort.

Reliable and long-lasting, once installed, it requires no further attention, outside of routine maintenance. Key to its versatility is the motor head, which can be turned to three different positions to accommodate the requirements of even the tightest spaces; there is the possibility to achieve up to six different performance levels (curves).

Increased separation between the motor and electronics with air circulating; sleep Mode function with automatic water circulating every 25 hours.

Only one plug and play connector; only one set-up button; easy to monitor thanks to intuitive interface, and the 7-LED display is easy to read.

Technopolymer impeller; aluminum motor shaft mounted on graphite bearings, lubricated by the actual fluid being pumped. Synchronous motor with permanent magnet rotor. Standard bling flange if maintenance of one of two motors is needed.

Single version available with 1 1/2" and 2" threaded connections, and with DN 32 and DN 40, PN 6 / PN 10 / PN 16 flanged connections.

Operating range from 2 to 12,5 m³/h with up to 12 meters head.

Liquid temperature range -20 °C to +110 °C.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, properties akin to water. (max. glycol 50%).

Maximum working pressure 16 bar (1600 kPa).

Circulator protection degree IP X4.

Insulation class F.

Installation with horizontal motor shaft.

Standard flanged connections DN 32, DN 40 PN 6 / PN 10 / PN 16 (4 slots).

Maximum ambient temperature +40°C.

Required NPSH The values are given in the relevant tables

Accessories 1/2"F, 3/4"F, 1"F, 1 1/4"F, 1 1/2"AM union fittings DN 32 PN 10 and DN 40 PN 10 threaded mating flanges.

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

Standard voltage Sound pressure level: ≤ 33 dB(A).

EVOPLUS LITE⁺ SAN

SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			EEI PART 2	HYDRAULIC DATA											WEIGHT KG	Q.TY x PALLET		
				POWER INPUT 50/60 Hz	P1 MAX W	In A		Q=m ³ /h	0	1.8	2.4	3	4.2	5.4	6.6	7.8	9	10.2			11.4	
									Q=l/min	0	30	40	50	70	90	110	130	150			170	190
EVOPLUS LITE SAN 60/180-25	60218215	180	-	220/240 V	98	0.78	EEI ≤ 0,20	H (m)	6.1	6.1	6	5.6	4.6	3.4	2.2	1				3.7	92	
EVOPLUS LITE SAN 80/180-25	60218216	180	-	220/240 V	129	1.04	EEI ≤ 0,20		6.1	8	7.9	7.5	6.2	4.8	3.5	2.2	0.9				3.7	92
EVOPLUS LITE SAN 120/180-25	60218217	180	-	220/240 V	187	1.49	EEI ≤ 0,20		12	12	11.5	10	8.5	7.1	5.7	4.3	2.9	1.5			3.7	92

SINGLE WITH FLANGES

DN 32

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANG. ON REQUEST	ELECTRICAL DATA			EEI PART 2	HYDRAULIC DATA											WEIGHT KG	Q.TY x PALLET		
				POWER INPUT 50/60 Hz	P1 MAX W	In A		Q=m ³ /h	0	1.8	2.4	3	4.2	5.4	6.6	7.8	9	10.2			11.4	
									Q=l/min	0	30	40	50	70	90	110	130	150			170	190
EVOPLUS LITE SAN 60/220-F32	60218218	220	DN32 PN6	220/240 V	97	0.78	EEI ≤ 0,20	H (m)	6	6	6	5.5	4.5	3.5	2.6	1.6	0.7				7.2	64
EVOPLUS LITE SAN 80/220-F32	60218219	220	DN32 PN6	220/240 V	127	1.04	EEI ≤ 0,20		8	8	7.8	6.9	5.8	4.7	3.6	2.5	1.5				7.2	64
EVOPLUS LITE SAN 120/220-F32	60218220	220	DN32 PN6	220/240 V	185	1.49	EEI ≤ 0,20		12	12	10.6	9.7	8.5	7.3	6.1	4.9	3.7	2.5	1.3			7.2

DN 40

EVOPLUS LITE SAN 60/250-F40	60218221	250	DN40 PN 10	220/240 V	97	0.78	EEI ≤ 0,20	H (m)	6	6	6	5.5	4.5	3.5	2.6	1.6	0.7				7.7	64	
EVOPLUS LITE SAN 80/250-F40	60218222	250	DN40 PN 10	220/240 V	128	1.04	EEI ≤ 0,20		8	8	7.9	7	5.9	4.9	3.9	2.8	1.8	0.8				7.7	64
EVOPLUS LITE SAN 120/250-F40	60218223	250	DN40 PN 10	220/240 V	186	1.49	EEI ≤ 0,20		12	12	10.6	9.7	8.5	7.3	6.1	4.9	3.7	2.5	1.3			7.7	64

EVOPUS⁺

NEW

MEET THE NEW FACE OF CIRCULATION



A design that translates into **reliability and efficiency**,
tailored to individual system needs.

DAB[®]
MAKING WATER EASY

EVOPLUS SMALL

ELECTRONIC CIRCULATORS FOR SMALL COLLECTIVE SYSTEMS



NEW



EvoPlus Small electronic circulation pumps can be used in heating, ventilation and air conditioning systems for residential and commercial buildings.

These electronically controlled wet rotor pumps ensure sufficient energy at all times, in all correctly sized systems, while at the same time providing low noise, greater comfort and a significant reduction in operating costs.

All models with flanged pump body are available in both single and twin versions.

The user interface is extremely user friendly.

Circulator protection degree IP44.

Insulation class F.

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

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

Operating range

2 to 12 m³/h with head up to 11 metres.

Liquid temperature range

-10 °C to +110 °C.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water (glycol max. 50%).

Maximum working pressure 16 bar (1600 kPa).

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

Installation with horizontal motor shaft.

Communication protocols ModBus. Single version (with multifunction expansion module). Twin version (standard).

EVOPLUS+ SMALL



ONLINE TRAINING



REMOTE MONITORING
via web portal
and DConnect app



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SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	UNIONS ON REQUEST		ELECTRICAL DATA			HYDRAULIC DATA								EEI PART 2	WEIGHT KG	QTY PER PALLET
				STANDARD	SPECIAL	POWER SUPPLY 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			
EVOPLUS SMALL 40/180 M	60231351	180	1" 1/2	1" F	3/4" F - 1/4" M	220/240 V	68	0.52	4.2	4.2	4	3.1	2.4				EEI ≤ 0,20	4.5	104
EVOPLUS SMALL 60/180 M	60220931	180	1" 1/2	1" F	3/4" F - 1/4" M	220/240 V	100	0.72	6.1	6.1	5.8	4.6	3.4				EEI ≤ 0,20	4.5	104
EVOPLUS SMALL 80/180 M	60231353	180	1" 1/2	1" F	3/4" F - 1/4" 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 SMALL 110/180 M	60231354	180	1" 1/2	1" F	3/4" F - 1/4" M	220/240 V	170	1.18	11.1	10.1	9.2	7.5	5.9	3.9			EEI ≤ 0,21	4.5	104
EVOPLUS SMALL 40/180 XM	60231355	180	2"	1 1/4" F	-	220/240 V	68	0.51	4.1	4.1	4	3.1	2.2				EEI ≤ 0,20	4.7	104
EVOPLUS SMALL 60/180 XM	60231356	180	2"	1 1/4" F	-	220/240 V	100	0.71	6.1	6.1	5.7	4.5	3.4				EEI ≤ 0,20	4.7	104
EVOPLUS SMALL 80/180 XM	60220932	180	2"	1 1/4" 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 SMALL 110/180 XM	60231358	180	2"	1 1/4" 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

DN 32

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA								EEI PART 2	WEIGHT KG	QTY PER PALLET		
				POWER SUPPLY 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					
EVOPLUS SMALL 40/220.32 M	60231359	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
EVOPLUS SMALL 60/220.32 M	60231360	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
EVOPLUS SMALL 80/220.32 M	60231361	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
EVOPLUS SMALL 110/220.32 M	60220933	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 SMALL 40/250.40 M	60231363	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
EVOPLUS SMALL 60/250.40 M	60220934	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
EVOPLUS SMALL 80/250.40 M	60231365	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
EVOPLUS SMALL 110/250.40 M	60231366	250	DN40 PN 10	220/240 V	180	1.3		11.2	10.5	9.6	8.1	6.8	5	2.6			EEI ≤ 0,22	7.5	51

EVOPLUS SMALL

ELECTRONIC CIRCULATORS FOR SMALL COLLECTIVE SYSTEMS



TWIN FLANGES

DN 32

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA							EEI PART 2	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 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
EVOPLUS SMALL D 40/220.32 M	60231367	220	DN32 PN6	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
EVOPLUS SMALL D 60/220.32 M	60231368	220	DN32 PN6	220/240 V	95	0.75		6.1	6.1	5.6	4.6	3.6	2.2		EEI ≤ 0,23	13.5	30
EVOPLUS SMALL D 80/220.32 M	60220935	220	DN32 PN6	220/240 V	130	0.95		8	8	7.3	6	4.9	3.3		EEI ≤ 0,23	13.5	30
EVOPLUS SMALL D 110/220.32 M	60231370	220	DN32 PN6	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 SMALL D 40/250.40 M	60231371	250	DN40 PN10	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
EVOPLUS SMALL D 60/250.40 M	60220936	250	DN40 PN10	220/240 V	100	0.75		6.1	6.1	5.6	4.6	3.6	2.2		EEI ≤ 0,22	14.2	30
EVOPLUS SMALL D 80/250.40 M	60231373	250	DN40 PN10	220/240 V	135	0.95		8	8	7.3	6	4.9	3.3		EEI ≤ 0,23	14.2	30
EVOPLUS SMALL D 110/250.40 M	60231374	250	DN40 PN10	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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

EVOPLUS

ELECTRONIC CIRCULATORS FOR COLLECTIVE SYSTEMS



TWIN FLANGES

DN 50

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA														EEI PART 2	WEIGHT KG	QTY PER PALLET						
				POWER SUPPLY 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										
EVOPLUS D 40/240.50 M	60231427	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	60220923	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	60231428	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	60231429	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	60231430	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	60231432	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	60220924	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	60231433	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	60220925	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	60231434	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	60231435	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	60220926	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	60220927	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

DN 80

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA														EEI PART 2	WEIGHT KG	QTY PER PALLET						
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q m³/h l/min	0	12	14.4	18	24	30	36	42	54	72												
								0	200	240	300	400	500	600	700	900	1200												
EVOPLUS D 40/360.80 M	60231436	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	60220928	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	60231437	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	60231438	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	60220929	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	60231439	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	60231440	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	60231441	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	60231442	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	60220930	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

EVOPLUS

ELECTRONIC CIRCULATORS FOR COLLECTIVE SYSTEMS

**SPECIAL VERSION** TWIN FLANGES PN 16**DN 80**

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA								EEI PART 2	WEIGHT KG	QTY PER PALLET	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q m ³ /h l/min	0	18	24	30	36	42	54				72
EVOPLUS D 40/360.80 M	60231467	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	60231468	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	60231469	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	60231470	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	60231471	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	60231472	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	60231473	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	60231474	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	60231475	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	60231476	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

EVOPLUS SMALL SAN

ELECTRONIC CIRCULATORS FOR COLLECTIVE SYSTEMS



NEW



Circulation pump for unvented and pressurized or open vented domestic hot water systems. **Bronze pump body.** Die-cast aluminium motor casing. Technopolymer impeller. Ceramic motor shaft mounted on graphite bushings lubricated by the same pumped liquid. Stainless steel rotor liner, stator liner and closing flange. Ceramic thrust bearing ring, ethylene-propylene seal rings. Synchronous motor with permanent magnet rotor.

Operating range2 to 12 m³/h with head up to 11 metres.**Liquid temperature range**

-10 °C to +110 °C.

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water.

Maximum working pressure

16 bar (1600 kPa).

Protection degree IP44.**Insulation class** F.

Installation with horizontal motor shaft.

Communication protocols ModBus (with multifunction expansion module).

EVOPLUS⁺ SMALL

ONLINE
TRAININGREMOTE MONITORING
via web portal
and DConnect appACCESSORIES
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* Certification being renewed.

SINGLE UNIONS

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	UNIONS ON REQUEST		ELECTRICAL DATA			HYDRAULIC DATA							WEIGHT KG	
				STANDARD	SPECIAL	POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q m ³ /h l/min	H(m)							
										0	2.4	3	4.2	5.4	7.2		9.6
EVOPLUS SMALL SAN 40/180 M	60231375	180	1"½	1" F	1/2" F - 3/4" F - UNION KIT TO WELD Ø 22 / Ø 28	220/240 V	70	0.52	4.2	4.2	4	3.1	2.4			4.5	
EVOPLUS SMALL SAN 60/180 M	60231376	180	1"½	1" F	1/2" F - 3/4" F - UNION KIT TO WELD Ø 22 / Ø 28	220/240 V	100	0.72	6.1	6.1	5.8	4.6	3.4			4.5	
EVOPLUS SMALL SAN 80/180 M	60231377	180	1"½	1" F	1/2" F - 3/4" F - UNION KIT TO WELD 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 SMALL SAN 110/180 M	60231378	180	1"½	1" F	1/2" F - 3/4" F - UNION KIT TO WELD 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

DN 32

MODEL	CODE	CENTRE DISTANCE mm	COUNTERFLANGES ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA							WEIGHT KG	
				POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q m ³ /h l/min	H(m)							
								0	2.4	3	4.2	5.4	7.2		9.6
EVOPLUS SMALL SAN 40/220.32 M	60231380	220	DN 32 PN 6	220/240 V	85	0.55	4.2	4.2	4.2	3.3	2.5	1.3			8.6
EVOPLUS SMALL SAN 60/220.32 M	60231381	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
EVOPLUS SMALL SAN 80/220.32 M	60231382	220	DN 32 PN 6	220/240 V	150	0.97	8	8	7.3	6	4.9	3.3			8.6
EVOPLUS SMALL SAN 110/220.32 M	60231383	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 SMALL SAN 40/250.40 M	60231384	250	DN 40 PN 10	220/240 V	75	0.55	4.2	4.2	4.2	3.3	2.5	1.3			9.3
EVOPLUS SMALL SAN 60/250.40 M	60231385	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
EVOPLUS SMALL SAN 80/250.40 M	60231386	250	DN 40 PN 10	220/240 V	140	0.97	8	8	7.3	6	4.9	3.3			9.3
EVOPLUS SMALL SAN 110/250.40 M	60231387	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

VA

WET ROTOR CIRCULATORS



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 degree corresponding to IP44.

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.

ONLY FOR
EXTRA EU
MARKETS

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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		H (m)										
								Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	4.2			Q=l/min
VA 25/130	60182197H	130	1 1/2" G	1x230V	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	1x230V	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	1x230V	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	1x230V	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	1x230V	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	1x230V	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	1x230V	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	1x230V	70	0.3	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	1x230V	70	0.3	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	1x230V	70	0.3	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	1x230V	70	0.3	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	1x230V	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	1x230V	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	1x230V	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	1x230V	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



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 degree 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.

ONLY FOR
EXTRA EU
MARKETS

ACCESSORIES
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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=m ³ /h												
							0	0.6	1.2	1.8	2.4	3	4.2	7.2	12				
A 50/180 M	505803001	180	1 1/2" G	1 x 230 V ~	195	0.95	H(m)											5.3	115
A 50/180 XM	505802041	180	2" G	1 x 230 V ~	189	0.92	Q=l/min											5	115
A 50/180 T	505803601	180	1 1/2" G	3x400 V ~	197	0.52	0	10	20	30	40	50	70	120	200	5.2	115		
A 50/180 XT	505802671	180	2" G	3x400 V ~	201	0.5	0	10	20	30	40	50	70	120	200	5.3	115		
A 56/180 M	505805001	180	1 1/2" G	1 x 230 V ~	287	1.3	0	10	20	30	40	50	70	120	200	5.3	115		
A 56/180 XM	505804041	180	2" G	1 x 230 V ~	294	1.32	0	10	20	30	40	50	70	120	200	5.3	115		
A 56/180 T	505805601	180	1 1/2" G	3x400 V ~	294	0.6	0	10	20	30	40	50	70	120	200	5.3	115		
A 56/180 XT	505804671	180	2" G	3x400 V ~	291	0.6	0	10	20	30	40	50	70	120	200	5.2	115		
A 80/180 M	505807001	180	1 1/2" G	1 x 230 V ~	264	1.15	0	10	20	30	40	50	70	120	200	5.3	115		
A 80/180 XM	505806041	180	2" G	1 x 230 V ~	260	1.17	0	10	20	30	40	50	70	120	200	5.3	115		
A 80/180 T	505807601	180	1 1/2" G	3x400 V ~	271	0.57	0	10	20	30	40	50	70	120	200	5.3	115		
A 80/180 XT	505806671	180	2" G	3x400 V ~	272	0.57	0	10	20	30	40	50	70	120	200	5.2	115		
A 110/180 M	505808001	180	1 1/2" G	1 x 230 V ~	410	1.77	0	10	20	30	40	50	70	120	200	5.3	54		
A 110/180 XM	505809001	180	2" G	1 x 230 V ~	410	1.77	0	10	20	30	40	50	70	120	200	5.3	54		
A 110/180 T	505808601	180	1 1/2" G	3x400 V ~	403	0.9	0	10	20	30	40	50	70	120	200	5.2	54		
A 110/180 XT	505809601	180	2" G	3x400 V ~	403	0.9	0	10	20	30	40	50	70	120	200	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=m³h	0	0.6	1.2	1.8	2.4	3	4.2	7.2	12			
							Q=l/min	0	10	20	30	40	50	70	120	200			
B 50/250.40 M	505812041	250	DN40	1x230V~	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	DN40	3x400V~	201	0.5		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	DN40	1x230V~	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	DN40	3x400V~	291	0.6		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	DN40	1x230V~	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	DN40	3x400V~	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	DN40	1x230V~	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	DN40	3x400V~	403	0.9		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=m³h	0	0.6	1.2	1.8	2.4	3	4.2	7.2	12			
							Q=l/min	0	10	20	30	40	50	70	120	200			
D 50/250.40 M	505822041	250	DN40 - PN10	1x230V~	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	DN40 - PN10	3x400V~	201	0.5		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	DN40 - PN10	1x230V~	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	DN40 - PN10	3x400V~	291	0.6		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	DN40 - PN10	1x230V~	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	DN40 - PN10	3x400V~	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	DN40 - PN10	1x230V~	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	DN40 - PN10	3x400V~	403	0.9		11.3	11	10.8	10.5	10	9.8	9.2	7	1.6	15.8	24	

VS

WET-ROTOR CIRCULATORS



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



Circulation pump for unvented and pressurized or open vented domestic hot water systems. Also suitable for solar energy systems. **Bronze pump body.** Die-cast aluminium motor casing. Technopolymer impeller. Ceramic motor shaft mounted on graphite bushings lubricated by the same pumped liquid. Stainless steel rotor liner, stator liner and closing flange. Ceramic thrust bearing ring, ethylene-propylene seal rings. The two- or four-pole, asynchronous, wet-rotor motor is protected for resistance and **requires no overload protection.**

Operating range

0.6 to 3.7 m³/h with head up to 6 metres.

Liquid temperature range

-10°C to +85°C (for domestic hot water systems).

+110°C (for other uses).

Pumped liquid clean, free of solids and mineral oils, non-viscous, chemically neutral, close to the characteristics of water.

Maximum working pressure

10 bar (1000 kPa).

Protection degree IP 44.

Insulation class F.

Cable grommet PG 11.

Installation with horizontal motor shaft.

ACCESSORIES
PAGE 77

MODEL	CODE	CENTRE DISTANCE mm	PUMP COUP.	UNIONS ON REQUEST	ELECTRICAL DATA			HYDRAULIC DATA						WEIGHT KG	QTY PER PALLET
					POWER SUPPLY 50/60 Hz	P1 MAX W	In A	Q=m ³ /h		H (m)					
								0	10	0	10	20	30		
VS 8/150 M	60182217H	150	1 ½"	Brass 1/2" F - 3/4" F - 1" F COPPER d22 and d28	1x230V	35	0.19	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 and d28	1x230V	41	0.19	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 and d28	1x230V	55	0.24	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 and d28	1x230V	78	0.34	6	5.55	5.05	4.25	3.4	2.6	2.6	180

INLINE PUMPS

DESIGNED TO MAKE
YOUR JOB EASIER



NOW WITH **IE5** EFFICIENCY CLASS



DAB[®]
MAKING WATER EASY

KLPE / DKLPE

ELECTRONIC IN-LINE PUMPS



DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



Hot or cold water circulation pumps with in-line ports, suitable for installation directly on pipes in civil and industrial heating, air conditioning, refrigeration and domestic hot water systems.

The pumps are IE5 certified, which currently indicates the highest degree of energy efficiency. The combination of the permanent magnet motor with the capabilities of the NgDrive controller guarantees both flawless performance and effective energy savings with a consequent, tangible reduction in consumption.

Remote monitoring and management via DConnect.

Cast iron pump body and motor support.

Flanged suction and delivery ports PN 10. To facilitate interchangeability in existing installations, the pump can accept PN 6 counterflanges. Technopolymer impeller. In the twin design a clapet valve is built into the delivery port to prevent water recirculation in the unit at rest. In addition, a blank flange is supplied as standard in case one of the two motors needs to be serviced. The twin design allows alternating pump operation when a spare unit or simultaneous operation of the two pumps is required. The motor is asynchronous, four-pole and externally cooled for the KLME and DKLME versions and two-pole for the KLPE and DKLPE versions.

The rotor is mounted on ball bearings greased for life and oversized to ensure low noise and durability. Built-in thermo-amperometric protection. Construction according to CEI 2-3 standards. New AISI 316 motor shaft and new silicon carbide/silicon carbide mechanical seal for increased reliability.

Flow rate 2 m³/h to 84 m³/h.

Head 23.4 m

Type of liquid pumped

clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised.

Maximum glycol percentage 50%

Liquid temperature -15 °C to +120 °C.

Maximum ambient temperature +40 °C.

Maximum working pressure

10 bar (1000 kPa).

Flanging or threading

DN 40, 50, 65, 80 with PN10, PN16 (4 holes).

Motor protection degree IPX5.

Motor insulation class F.

Efficiency index IE5.

Impeller construction material technopolymer.

Single-phase power supply 230 V 50 Hz.

Three-phase power supply

3x230 V 50 Hz / 3x400 V 50 Hz.

Maximum RPM 2950 for KLPE - 1400 for KLME.

Type of installation possible fixed horizontal or vertical with motor above pump.



REMOTE MONITORING

Via web portal and H₂D App



H2D
PAGE 11

KLPE SINGLE WITH FLANGES WITH NGDRIVE VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM			CODE	CONTROL UNIT MODEL	P2 NOMINAL		In A	WEIGHT (kg)	CODE	CONTROL UNIT MODEL	P2 NOMINAL		In A	WEIGHT (kg)
							KW	HP					KW	HP		
KLPE 40-1600	40	40	250	-	60217558	Ngdrive 6A M/T 220-240V 50/60	0.7	0.94	4.2	26	-	-	-	-	-	
KLPE 40-1800	40	40	250	-	60217559	Ngdrive 6A M/T 220-240V 50/60	0.8	1.07	4.8	28	-	-	-	-	-	
KLPE 50-1200	50	50	280	-	60217573	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	4.3	31	-	-	-	-	-	
KLPE 50-1600	50	50	280	-	60217574	Ngdrive 6A M/T 220-240V 50/60	1	1.3	6.2	33	-	-	-	-	-	
KLPE 50-2000	50	50	280	-	60217575	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	10.1	35	60217576	Ngdrive 8A T/T 380-480V 50/60	1.8	2.4	4.07	35
KLPE 65-900	65	65	340	-	60217577	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	4.2	35	-	-	-	-	-	
KLPE 65-1200	65	65	340	-	60217578	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	5.7	37	-	-	-	-	-	
KLPE 65-1600	65	65	340	-	60217579	Ngdrive 6A M/T 220-240V 50/60	1.6	2.15	8.7	45	60217580	Ngdrive 8A T/T 380-480V 50/60	2.2	2.95	3.4	45
KLPE 65-2000	65	65	340	-	-	-	-	-	-	-	60217581	Ngdrive 8A T/T 380-480V 50/60	2	2.68	4.2	47
KLPE 80-900	80	80	380	-	60217582	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	6.4	47	60217583	Ngdrive 8A T/T 380-480V 50/60	1.8	2.4	2.7	47
KLPE 80-1200	80	80	380	-	60217584	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	10.1	47	60217585	Ngdrive 8A T/T 380-480V 50/60	1.8	2.41	3.8	47
KLPE 80-1600	80	80	380	-	-	-	-	-	-	-	60217586	Ngdrive 8A T/T 380-480V 50/60	2.5	3.35	5.8	47
KLPE 80-2000*	80	80	380	2	-	-	-	-	-	-	60214712	MCE55/C	3.67	5	9.07	60

* IE3

KLPE / DKLPE

ELECTRONIC IN-LINE PUMPS

DKLPE TWIN FLANGES WITH NGDRIVE VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM			CODE	CONTROL UNIT MODEL	P2 NOMINAL		In A	WEIGHT (kg)	CODE	CONTROL UNIT MODEL	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
DKLPE 40-1600	40	40	250	-	60217613	Ngdrive 6A M/T 220-240V 50/60	0.7	0.94	4.2	55	-	-	-	-	-	
DKLPE 40-1800	40	40	250	-	60217614	Ngdrive 6A M/T 220-240V 50/60	0.8	1.07	4.8	59	-	-	-	-	-	
DKLPE 50-1200	50	50	280	-	60217628	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	4.3	65	-	-	-	-	-	
DKLPE 50-1600	50	50	280	-	60217629	Ngdrive 6A M/T 220-240V 50/60	1	1.3	6.2	69	-	-	-	-	-	
DKLPE 50-2000	50	50	280	-	60217630	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	10.1	74	60217631	Ngdrive 8A T/T 380-480V 50/60	1.8	2.4	4.07	74
DKLPE 65-900	65	65	340	-	60217632	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	4.2	74	-	-	-	-	-	
DKLPE 65-1200	65	65	340	-	60217633	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	5.7	78	-	-	-	-	-	
DKLPE 65-1600	65	65	340	-	60217634	Ngdrive 6A M/T 220-240V 50/60	1.6	2.15	8.7	95	60217635	Ngdrive 8A T/T 380-480V 50/60	2.2	2.95	3.4	95
DKLPE 65-2000	65	65	340	-	-	-	-	-	-	-	60217636	Ngdrive 8A T/T 380-480V 50/60	2	2.68	4.2	101
DKLPE 80-900	80	80	380	-	60217637	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	6.4	99	60217638	Ngdrive 8A T/T 380-480V 50/60	1.8	2.4	2.7	101
DKLPE 80-1200	80	80	380	-	60217639	Ngdrive 6A M/T 220-240V 50/60	1.8	2.4	10.1	99	60217640	Ngdrive 8A T/T 380-480V 50/60	1.8	2.41	3.8	101
DKLPE 80-1600	80	80	380	-	-	-	-	-	-	-	60217641	Ngdrive 8A T/T 380-480V 50/60	2.5	3.35	5.8	101
DKLPE 80-2000*	80	80	380	2	-	-	-	-	-	-	60214722	MCE55/C	3.67	5	9.07	125

*IE3

DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ELECTRONIC IN-LINE PUMPS

SELECTION TABLES

KLPE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	Q (m ³ /h) (L/min)	0	5	10	15	20	25	30	35	40	50	60	80
		0	83	167	250	333	417	500	583	667	833	1000	1333
KLPE 40-1600	H(m)	16.36	15.66	14.19	11.31	6.78	0.75	-	-	-	-	-	-
KLPE 40-1800		18.59	17.7	16.06	12.87	7.85	1.29	-	-	-	-	-	-
KLPE 50-1200		12.3	12.3	11.9	11.1	9.7	7.7	5.3	2.4	-	-	-	-
KLPE 50-1600		16.3	16.5	16.1	15.3	13.9	11.9	9.4	6.5	-	-	-	-
KLPE 50-2000		23.1	23.8	23.7	22.7	21	18.9	16.2	13.2	9.9	2.7	-	-
KLPE 65-900		9.2	8.9	8.8	8.6	8.1	7.1	5.7	3.9	1.8	-	-	-
KLPE 65-1200		12.1	12	12.1	12	11.5	10.5	9.1	7.1	4.7	-	-	-
KLPE 65-1600		16.3	16.6	16.7	16.6	16.1	15.1	13.8	12	9.8	-	-	-
KLPE 65-2000		20.3	20.7	20.8	20.6	20.1	19.2	18	16.5	14.5	-	-	-
KLPE 80-900		16	-	16.6	-	16.8	-	16.7	-	16.2	15.2	13.8	-
KLPE 80-1200		11.8	-	11.9	-	12	-	11.8	-	11.1	9.8	7.9	-
KLPE 80-1600		8.8	-	8.7	-	8.4	-	8	-	7.1	5.6	3.2	-
KLPE 80-2000*		20.6	21	21.2	21.1	20.9	20.5	20.1	19.7	19.3	18.4	17.3	13.2

DKLPE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	Q (m ³ /h) (L/min)	0	5	10	15	20	25	30	35	40	50	60	80
		0	83	167	250	333	417	500	583	667	833	1000	1333
DKLPE 40-1600	H(m)	16.19	15.32	13.51	10.24	5.05	-	-	-	-	-	-	-
DKLPE 40-1800		18.64	17.53	15.48	11.75	6.06	-	-	-	-	-	-	-
DKLPE 50-1200		12.3	12.3	11.6	10.4	8.6	6.3	3.6	0.5	-	-	-	-
DKLPE 50-1600		16.5	16.5	15.7	14.3	12.5	10.1	7.3	4	-	-	-	-
DKLPE 50-2000		23	23.5	23	21.6	19.6	17.2	14.3	11	-	-	-	-
DKLPE 65-900		9.5	9.3	9	8.6	7.7	6.3	4.5	2.4	0.3	-	-	-
DKLPE 65-1200		12.3	12.4	12.4	11.9	11	9.6	7.6	5.2	2.4	-	-	-
DKLPE 65-1600		16.7	17.1	17.1	16.7	15.8	14.6	12.8	10.6	7.9	-	-	-
DKLPE 65-2000		20.6	21.3	21.3	20.7	19.6	18.1	16.3	14.1	11.4	-	-	-
DKLPE 80-900		9	-	8.7	-	8.3	-	7.5	-	6.2	4.2	1.5	-
DKLPE 80-1200		12	-	11.9	-	11.7	-	11	-	9.8	8	5.6	-
DKLPE 80-1600		16.2	-	16.3	-	16.2	-	15.6	-	14.5	12.8	10.5	-
DKLPE 80-2000*		20.3	20.3	20.3	20.3	20.1	19.9	19.5	18.9	18.1	16.1	13.9	-

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS



In-line pumps for circulation in heating and air conditioning systems in commercial and residential buildings. Also available in twin versions (D versions).

The impeller is made of cast iron or technopolymer, depending on the model. The silicon carbide mechanical seal and EPDM seals maximises the pump's performance and durability, and allows the pump to work with up to 50% glycol, enabling it to operate in environments where temperatures are particularly low.

The pumps can be adapted to different installation standards: thanks to a spacer that is easily installed, the length of the mechanical seal can be changed as required.

The centre distance has a standard length to allow for the replacement of obsolete products in existing systems.

The pumps are IE5 certified, which currently indicates the highest degree of energy efficiency. The combination of the permanent magnet motor with the capabilities of the NgDrive controller guarantees both flawless performance and effective energy savings with a consequent, tangible reduction in consumption.

Remote monitoring and management with DConnect.

Flow rate up to 105 m³/h.

Head up to 110 m.

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Maximum glycol percentage 50%

Liquid temperature -15°C to +140°C

Maximum ambient temperature +50°C

Maximum working pressure

1600 kPa / 16 bar

Flanging or threading

flanging PN10/16

Motor efficiency

IE5 up to 2.2 kW; IE3 3 kW

Motor protection degree IP55

Motor insulation class F

Impeller construction material

cast iron or technopolymer

Three-phase power supply

3x230 V 50 Hz / 3x400 V 50 Hz

Maximum RPM 2910 rpm

Three-phase power supply

fixed horizontal or vertical as long as the motor is positioned above the pump.

Vertical installation only for power outputs above 7.5 kW.



REMOTE MONITORING
Via web portal and
H₂D App



H2D
PAGE 11

CP2E, CP2-GE SINGLE WITH FLANGES WITH NGDRIVE VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
CP2E 32-1400 IE5	32	32	260	-	60217536	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	5.1	31	-	-	-	-	-	-
CP2E 32-2100 IE5	32	32	260	-	60217537	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	5	31	-	-	-	-	-	-
CP2E 32-1800 IE5	32	32	260	-	60217538	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	6.64	31	-	-	-	-	-	-
CP2E 32-2200 IE5	32	32	260	-	60217539	Ngdrive 6A M/T 220-240V 50/60	1.5	2	8.8	31	-	-	-	-	-	-
CP2E 32-2700 IE5	32	32	320	-	-	-	-	-	-	-	60217540	Ngdrive 8A T/T 380-480V 50/60	2.2	3	5.3	41.5
CP2E 32-3600 IE3	32	32	320	2	-	-	-	-	-	-	60217541	MCE55	3	4	8.9	52.7
CP2E 32-4000 IE3	32	32	320	2	-	-	-	-	-	-	60217542	MCE55	4	5.4	10.2	52.7
CP2-GE 32-4800 IE3	32	32	320	2	-	-	-	-	-	-	60217543	MCE55	5.5	7.4	12.5	87.8

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
CP2E 40-1900 IE5	40	40	320	-	60217547	Ngdrive 6A M/T 220-240V 50/60	1.5	2	8.9	42.5	-	-	-	-	-	-
CP2E 40-2200 IE5	40	40	320	-	-	-	-	-	-	-	60217548	Ngdrive 8A T/T 380-480V 50/60	2.2	3	5.3	42.5
CP2E 40-2800 IE3	40	40	320	2	-	-	-	-	-	-	60217549	MCE30	3	4	7.2	48.9
CP2E 40-3300 IE3	40	40	320	2	-	-	-	-	-	-	60217550	MCE55	4	5.4	9.2	47.9
CP2-GE 40-4000 IE3	40	40	320	2	-	-	-	-	-	-	60217551	MCE55	5.5	7.4	10.8	82.6
CP2-GE 40-5000 IE3	40	40	440	2	-	-	-	-	-	-	60217552	MCE150	7.5	10.1	19.7	93
CP2-GE 40-6600 IE3	40	40	440	2	-	-	-	-	-	-	60217553	MCE150	11	14.8	26.2	82.6
CP2-GE 40-8200 IE3	40	40	440	2	-	-	-	-	-	-	60217554	MCE150	15	20.1	31.8	82.6

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS



CP2E, CP2-GE SINGLE WITH FLANGES WITH NGDRIVE VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V					POWER SUPPLY 50 HZ - 3x400 ~ V						
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
CP2E 50-800 IE5	50	50	280	-	60217561	Ngdrive 6A M/T 220-240V 50/60	0.5	0.7	4.1	32	-	-	-	-	-	
CP2E 50-1100 IE5	50	50	280	-	60217562	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	6.9	32	-	-	-	-	-	
CP2E 50-1400 IE5	50	50	280	-	60217563	Ngdrive 6A M/T 220-240V 50/60	1.5	2	10.1	39	-	-	-	-	-	
CP2E 50-1800 IE5	50	50	280	-	-	-	-	-	-	60217564	Ngdrive 8A T/T 380-480V 50/60	2.2	3	4.9	39	
CP2E 50-2100 IE3	50	50	280	2	-	-	-	-	-	60217565	MCE55	3	4	6.7	49	
CP2E 50-2800 IE3	50	50	340	2	-	-	-	-	-	60217566	MCE55	4	5.4	8.7	49	
CP2-GE 50-3300 IE3	50	50	340	2	-	-	-	-	-	60217567	MCE55	5.5	7.4	10.3	78	
CP2-GE 50-4400 IE3	50	50	340	2	-	-	-	-	-	60217568	MCE150	7.5	10.1	14.6	80	
CP2-GE 50-5200 IE3	50	50	440	2	-	-	-	-	-	60217569	MCE150	11	14.8	26.8	152	
CP2-GE 50-6600 IE3	50	50	440	2	-	-	-	-	-	60217570	MCE150	15	20.1	31.3	152	

DCP2E, DCP2-GE TWIN FLANGES

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V					POWER SUPPLY 50 HZ - 3x400 ~ V						
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
DCP2E 32-1400 IE5	32	32	260	-	60217591	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	5.1	55	-	-	-	-	-	
DCP2E 32-2100 IE5	32	32	260	-	60217592	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	5	55	-	-	-	-	-	
DCP2E 32-1800 IE5	32	32	260	-	60217593	Ngdrive 6A M/T 220-240V 50/60	1.1	1.5	6.64	55	-	-	-	-	-	
DCP2E 32-2200 IE5	32	32	260	-	60217594	Ngdrive 6A M/T 220-240V 50/60	1.5	2	8.8	77.5	-	-	-	-	-	
DCP2E 32-2700 IE5	32	32	320	-	-	-	-	-	-	60217595	Ngdrive 8A T/T 380-480V 50/60	2.2	3	5.3	77.5	
DCP2E 32-3600 IE3	32	32	320	2	-	-	-	-	-	60217596	MCE55	3	4	8.9	52.7	
DCP2E 32-4000 IE3	32	32	320	2	-	-	-	-	-	60217597	MCE55	4	5.4	10.2	52.7	
DCP2-GE 32-4800 IE3	32	32	320	2	-	-	-	-	-	60217598	MCE55	5.5	7.4	12.5	87.8	

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V					POWER SUPPLY 50 HZ - 3x400 ~ V						
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							kW	HP					kW	HP		
DCP2E 40-1900 IE5	40	40	320	-	60217602	Ngdrive 6A M/T 220-240V 50/60	1.5	2	8.9	80.5	-	-	-	-	-	
DCP2E 40-2200 IE5	40	40	320	-	-	-	-	-	-	60217603	Ngdrive 8A T/T 380-480V 50/60	2.2	3	5.3	80.5	
DCP2E 40-2800 IE3	40	40	320	2	-	-	-	-	-	60217604	MCE30	3	4	7.2	100.7	
DCP2E 40-3300 IE3	40	40	320	2	-	-	-	-	-	60217605	MCE55	4	5.4	9.2	100.7	
DCP2-GE 40-4000 IE3	40	40	320	2	-	-	-	-	-	60217606	MCE55	5.5	7.4	10.8	217.2	
DCP2-GE 40-5000 IE3	40	40	440	2	-	-	-	-	-	60217607	MCE150	7.5	10.1	19.7	217.2	
DCP2-GE 40-6600 IE3	40	40	440	2	-	-	-	-	-	60217608	MCE150	11	14.8	26.2	303.2	
DCP2-GE 40-8200 IE3	40	40	440	2	-	-	-	-	-	60217609	MCE150	15	20.1	31.8	303.2	

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS



DCP2E, DCP2-GE TWIN FLANGES

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POLES	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM			CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	VARIABLE FREQUENCY DRIVE	P2 NOMINAL		In A	WEIGHT (kg)
							KW	HP					KW	HP		
DCP2E 50-800 IE5	50	50	280	-	60217616	Ngdrive 6A M/T 220-240V 50/60	0.5	0.7	4.1	54	-	-	-	-	-	
DCP2E 50-1100 IE5	50	50	280	-	60217617	Ngdrive 6A M/T 220-240V 50/60	0.7	0.9	6.9	54	-	-	-	-	-	
DCP2E 50-1400 IE5	50	50	280	-	60217618	Ngdrive 6A M/T 220-240V 50/60	1.5	2	10.1	68	-	-	-	-	-	
DCP2E 50-1800 IE5	50	50	280	-	-	-	-	-	-	-	60217619	Ngdrive 8A T/T 380-480V 50/60	2.2	3	4.9	68
DCP2E 50-2100 IE3	50	50	280	2	-	-	-	-	-	-	60217620	MCE55	3	4	6.7	49
DCP2E 50-2800 IE3	50	50	340	2	-	-	-	-	-	-	60217621	MCE55	4	5.4	8.7	49
DCP2-GE 50-3300 IE3	50	50	340	2	-	-	-	-	-	-	60217622	MCE55	5.5	7.4	10.3	78
DCP2-GE 50-4400 IE3	50	50	340	2	-	-	-	-	-	-	60217623	MCE150	7.5	10.1	14.6	80
DCP2-GE 50-5200 IE3	50	50	440	2	-	-	-	-	-	-	60217624	MCE150	11	14.8	26.8	152
DCP2-GE 50-6600 IE3	50	50	440	2	-	-	-	-	-	-	60217625	MCE150	15	20.1	31.3	152

DAB SERVICES
HEATING AND AIR CONDITIONING
ES/BOX LINE
CONTROL UNIT
WATER PRESSURIZATION
BOOSTER SETS
END SUCTION AND VERTICAL MULTISTAGE PUMPS
DRAINAGE AND SEWAGE
GROUNDWATER AND IRRIGATION
SWIMMING POOL PUMPS
FIRE FIGHTING

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS

CP2E, CP2-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	Q (m³/h) (l/min)	0	10	15	20	30	35
		0	167	250	333	500	583
CP2E 32-1400 IE5	H(m)	14.2	12.6	11.1	9	-	-
CP2E 32-2100 IE5		22.7	17.6	10	-	-	-
CP2E 32-1800 IE5		17.8	16.4	14.8	12.6	6.3	-
CP2E 32-2200 IE5		22.5	21.3	19.7	17.3	10.5	5.9
CP2E 32-2700 IE5		26.7	26.2	24.8	22.8	17.1	13.3
CP2E 32-3600 IE3		36.4	35.5	33.5	31	24.8	-
CP2E 32-4000 IE3		40.3	39.4	37.4	34.9	28.4	24.5
CP2-GE 32-4800 IE3		48.7	48.1	46.5	44.2	37.9	33.8

MODEL	Q (m³/h) (l/min)	0	10	15	20	30	40	50	70
		0	167	250	333	500	667	833	1167
CP2E 40-1900 IE5	H(m)	19.1	19.4	19.3	18.4	13.9	7.4	-	-
CP2E 40-2200 IE5		22.3	22.8	22.4	21.7	19.2	15.5	-	-
CP2E 40-2800 IE3		27.6	27.8	27.2	26.3	23.5	19.8	-	-
CP2E 40-3300 IE3		33.1	33.5	32.9	32	29.2	25.3	-	-
CP2-GE 40-4000 IE3		38.5	39	38.9	38.3	35.7	30.9	-	-
CP2-GE 40-5000 IE3		48.8	49.2	49	48.6	46.9	44.3	-	-
CP2-GE 40-6600 IE3		66.2	66.4	66.1	65.6	63.6	60.5	-	-
CP2-GE 40-8200 IE3		82	82.1	81.8	81.2	78.9	74.9	69.1	52.9

MODEL	Q (m³/h) (l/min)	0	10	20	30	40	50	60	70
		0	167	250	333	500	667	833	1167
CP2E 50-800 IE5	H(m)	8	7.7	6.5	4.6	-	-	-	-
CP2E 50-1100 IE5		11.3	11.2	10.5	9	6.7	4	1.3	-
CP2E 50-1400 IE5		14.1	14.2	13.8	12.6	10.7	7.9	4.3	-
CP2E 50-1800 IE5		17.4	17.8	17.5	16.5	14.8	12.4	9.1	-
CP2E 50-2100 IE3		21.4	21.8	21.4	20.1	18.1	15.3	11.6	6.8
CP2E 50-2800 IE3		27.9	27.6	26.6	24.9	22.4	19.1	15.2	10.5
CP2-GE 50-3300 IE3		33.8	33.9	33	31.2	28.6	25.2	21.1	16.1
CP2-GE 50-4400 IE3		43.7	44	43.2	41.5	38.8	35.1	30.5	25
CP2-GE 50-5200 IE3		52	53.2	52.9	51.7	49.8	47.3	44.2	40.6
CP2-GE 50-6600 IE3		65.5	67.2	66.8	65.2	62.9	60.3	57.6	54.5

CP2E, CP2-GE / DCP2E, DCP2-GE

ELECTRONIC IN-LINE PUMPS

DCP2E, DCP2-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	Q (m³/h) (l/min)	0	10	15	20	30	35
		0	167	250	333	500	583
DCP2E 32-1400 IE5	H(m)	14.2	12.3	10.3	7.2	-	-
DCP2E 32-2100 IE5		23	17.3	9.1	-	-	-
DCP2E 32-1800 IE5		17.6	15.9	13.8	10.8	1.5	-
DCP2E 32-2200 IE5		22.8	21.4	19.3	16.1	6.5	0.4
DCP2E 32-2700 IE5		27	25.7	24.3	22.1	16.4	12.6
DCP2E 32-3600 IE3		36.9	35	33.1	30.4	22.6	-
DCP2E 32-4000 IE3		40.9	39.1	37	34.1	25.9	21
DCP2-GE 32-4800 IE3		49.4	47.8	46.2	43.7	34.9	28.9

MODEL	Q (m³/h) (l/min)	0	10	15	20	30	40	50	70
		0	167	250	333	500	667	833	1167
DCP2E 40-1900 IE5	H(m)	19	19.2	18.7	17.7	14.4	9	-	-
DCP2E 40-2200 IE5		22.9	23.5	23	22.2	19.2	14.5	-	-
DCP2E 40-2800 IE3		27.7	28.2	27.9	27.1	24.1	19.2	-	-
DCP2E 40-3300 IE3		33.4	33.9	33.5	32.8	29.9	25.2	-	-
DCP2-GE 40-4000 IE3		39.2	39.5	39.4	38.9	36.3	31.1	-	-
DCP2-GE 40-5000 IE3		49.3	49.4	49	48.4	45.9	41.7	-	-
DCP2-GE 40-6600 IE3		67.9	67.6	67	66.2	63.3	58.7	-	-
DCP2-GE 40-8200 IE3		83.4	84.3	83.8	82.7	79.2	74.1	67.4	46.1

MODEL	Q (m³/h) (l/min)	0	10	20	30	40	50	60	70
		0	167	250	333	500	667	833	1167
DCP2E 50-800 IE5	H(m)	8.1	7.7	6.1	4	-	-	-	-
DCP2E 50-1100 IE5		11.4	11.2	10.1	8.1	5.5	-	-	-
DCP2E 50-1400 IE5		14.7	14.5	13.7	12.1	9.6	6.4	2.5	-
DCP2E 50-1800 IE5		17.4	17.5	16.9	15.6	13.4	10.2	5.9	-
DCP2E 50-2100 IE3		22.1	22.4	21.7	20.1	17.8	14.6	10.5	5.2
DCP2E 50-2800 IE3		28.6	28.1	26.9	24.8	21.7	17.6	12.5	6.7
DCP2-GE 50-3300 IE3		34.6	34.5	33.5	31.5	28.4	24.3	19.2	12.9
DCP2-GE 50-4400 IE3		44.3	44.5	43.7	41.9	38.8	34.5	29	22.5
DCP2-GE 50-5200 IE3		53.3	54.1	53.7	52.4	50.1	47.1	43.3	38.8
DCP2-GE 50-6600 IE3		67.2	68.8	68.4	66.8	64.4	61.5	58.2	54.4

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

ELECTRONIC IN-LINE PUMPS FOR CIRCULATION SYSTEMS



Circulation pumps with in-line ports, designed for heating, air conditioning, refrigeration and domestic hot water systems.

Particularly versatile thanks to the use of the **MCE-C variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant differential pressures.

Available in single and twin versions.

Flanged suction and delivery ports PN 16.

Cast iron pump body and motor support, cast iron or technopolymer impeller depending on model (bronze on request, only from DN 65 to DN 150).

Stainless steel motor shaft.

Sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Three-phase, 4-pole, asynchronous motor with external ventilation. Rotor mounted on ball bearings oversized to ensure low noise and durability.

Operating range

1.2 to 360 m³/h with head up to 34 metres.

Liquid temperature range

-10 °C ÷ +140 °C for DN 65 - 150.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Installation fixed horizontal or vertical as long as the motor is positioned above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure 16 bar.

Protection degree IP55.

Insulation class F.

Standard flanging PN 16.

REMOTE MONITORING
via web portal
and DConnect app



MCE-C
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ACCESSORIES
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CME, CM-GE SINGLE WITH FLANGES WITH MCE-C VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
						kW	HP					kW	HP		
CM-GE 65-660	65	65	360	60206461 *	MCE11/C	0.55	0.75	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 *	MCE11/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	1.5	2	20.7	123	60191999	MCE30/C	2.2	3	5.9	126
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

* Proportional differential pressure control mode $\Delta P-v$ also available.

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

ELECTRONIC IN-LINE PUMPS FOR CIRCULATION SYSTEMS



DCME, DCM-GE TWIN FLANGES WITH MCE-C VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
						kW	HP					kW	HP		
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	1.5	2	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

* Proportional differential pressure control mode ΔP-v also available.

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

SELECTION TABLES



CME, CM-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	H (m)																																																
	kW	HP		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																
CM-GE 65-660	0.55	0.75	6.6								6.5	6.2	5.7	4.8																																						
CM-GE 65-920	0.75	1	9.2								9.2	9	8.4	7.4	5.7																																					
CM-GE 65-1200	1.5	2	12								12	11.9	11.5	10.8	10.1	8.9																																				
CM-GE 65-1680	3	4	16.8								16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9																																		
CM-GE 65-2380	4	5.5	23.8								24	23.8	23.4	22.7	21.6	20.4	19	17.1																																		
CM-GE 80-650	0.75	1	6.5								6.3	6.1	5.8	5.5	5	4.5	3.9																																			
CM-GE 80-890	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	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	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	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	7.5	10	27													26	25.5	25	24.5	23.6	22.7	21.5	20.2	19																												
CM-GE 80-3420	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	11	15	16																										15.5	15.5	15.4	14.8	14	13	11.8	11	10.5	9.2														
CM-GE 150-1950	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												

DAB SERVICES
HEATING AND AIR CONDITIONING
ESYBOX LINE
CONTROL UNIT
WATER PRESSURIZATION
BOOSTER SETS
END SUCTION AND VERTICAL MULTISTAGE PUMPS
DRAINAGE AND SEWAGE
GROUNDWATER AND IRRIGATION
SWIMMING POOL PUMPS
FIRE FIGHTING

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

SELECTION TABLES



DCME, DCM-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	0	3	4.5	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	
	kW	HP		0	50	75	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1700	1900	
DCM-GE 65-660	0.55	0.75	H(m)	6.5	-	-	6.4	5.9	4.4	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	
DCM-GE 65-920	0.75	1		9.1	-	-	9.1	8.8	7.4	5.8	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-
DCM-GE 65-1200	1.5	2		12	-	-	-	11.9	11.6	11	10	9	7.6	-	-	-	-	-	-	-	-	-	-	-
DCM-GE 65-1680	3	4		16.8	-	-	-	16.7	16.3	15.7	14.9	13.7	12.4	11	9.3	-	-	-	-	-	-	-	-	-
DCM-GE 65-2380	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	0.75	1		6.5	-	-	-	6.2	5.8	5.2	4.5	3.7	2.9	2.1	-	-	-	-	-	-	-	-	-	-
DCM-GE 80-890	1.5	2		8.5	-	-	-	-	-	8.3	8	7.5	6.8	6.1	5.3	4.4	3.5	-	-	-	-	-	-	-
DCM-GE 80-1530	3	4		14.4	-	-	-	-	-	14.1	13.7	13	12.2	11.3	10.2	9.2	8	6.8	-	-	-	-	-	-
DCM-GE 80-1700	4	5.5		16	-	-	-	-	-	15.7	15.5	15.3	14.6	14	13.2	12.3	11.2	10	8.9	7.7	-	-	-	-
DCM-GE 80-2410	5.5	7.5		24.1	-	-	-	-	-	-	-	23.3	22.7	22	21.1	20.2	18.9	17.6	16.2	-	-	-	-	-
DCM-GE 80-2700	7.5	10		27	-	-	-	-	-	-	-	26.1	26.1	25.5	24.9	24.2	23.2	22.1	20.7	19.3	17.9	-	-	-
DCM-GE 80-3420	11	15		34.2	-	-	-	-	-	-	-	33.3	33.3	32.9	32.3	31.8	30.9	29.9	29	27.8	24.4	22	20.8	-
DCM-GE 100-510	0.75	1		4.9	-	-	-	4.8	4.7	4.6	4.5	4	3.7	3.2	2.6	2.1	-	-	-	-	-	-	-	-

MODEL	P2 NOMINAL		Q (m³/h) (l/min)	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		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	1.5	2	H(m)	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	3	4		10.2	10.2	10	9.8	9.6	9.5	9.3	8.9	8.5	8	7.5	7.1	5.9	4.7	4									
DCM-GE 100-1320	4	5.5		13.2			13.2	13.1	13	12.8	12.4	11.9	11.3	10.8	10.2	8.8	7.4	6.6									
DCM-GE 100-1650	5.5	7.5		16.5			16.5	16.4	16.3	16	15.8	15.5	14.9	14.4	13.7	12.4	10.8	10									
DCM-GE 100-2050	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	11	15		24					23.3	22.8	22.6	22.4	21.9	21.4	21	19.8	18.1	17.5									
DCM-GE 100-3290	15	20		30.9					30.5	30.3	30.1	29.9	29.4	28.8	28.3	27	25.8	25.1	20								
DCM-GE 125-1075	4	5.5		10					9.5	9.4	9.2	9	8.7	8.4	7.7	6.8	6.5	4.4	2.4								
DCM-GE 125-1270	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	7.5	10		14.4					14.6	14.6	14.4	14.2	14	13.8	13.2	12.7	12.3	10.2	7.5	4.9							
DCM-GE 125-2100	11	15		20.1										19.9	19.6	19.3	18.2	17.8	15.4	12.7							
DCM-GE 125-2550	15	20		24.5										23.8	23.7	23.4	22.7	22.1	20	17.4	13.9						
DCM-GE 150-955	5.5	7.5		9.6													8.1	7	6.2	4.9	3.5	2.8					
DCM-GE 150-1322	7.5	10		11.8											11.5	11.5	11.4	11	10	8.5	7.2	6	5.5				
DCM-GE 150-1600	11	15		14.8												14.2	14.2	14	13.4	12.5	11.4	10.1	9.4	8.8			
DCM-GE 150-1950	15	20		18.1												17.9	17.8	17.7	17.5	16.9	15.9	14.8	14	13.5	10.5	8.9	

DAB SERVICES
 HEATING AND AIR CONDITIONING
 ESBOX LINE
 CONTROL UNIT
 WATER PRESSURIZATION
 BOOSTER SETS
 END SUCTION AND VERTICAL MULTISTAGE PUMPS
 DRAINAGE AND SEWAGE
 GROUNDWATER AND IRRIGATION
 SWIMMING POOL PUMPS
 FIRE FIGHTING

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

ELECTRONIC IN-LINE PUMPS FOR CIRCULATION SYSTEMS



Circulation pumps with in-line ports, designed for heating, air conditioning, refrigeration and domestic hot water systems.

Particularly versatile thanks to the use of the MCE-C variable frequency drive, it guarantees performance that can automatically adapt to different system requirements while maintaining constant differential pressures.

Flanged suction and delivery ports PN 16 with threaded holes for control gauges.

Cast iron pump body and motor support, cast iron or technopolymer impeller depending on model (bronze on request, only from DN 65 to DN 150).

Stainless steel motor shaft.

Sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Three-phase, 2-pole, asynchronous motor with external ventilation. Rotor mounted on ball bearings oversized to ensure low noise and durability.

Construction according to CEI 2-3 standards.

Operating range

1.2 to 230 m³/h with head up to 56 metres.

Liquid temperature range

-15°C to +120°C for DN 40 - 50 and all DCPE.

-10 °C ÷ +140 °C for DN 65 - 150.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Installation fixed horizontal or vertical as long as the motor is positioned above the pump.

Maximum ambient temperature +40°C.

Maximum working pressure 16 bar.

Protection degree IP55.

Insulation class F.

Standard flanging PN 16.

Counterflanges on request DN 40 - DN 50 - DN 65 - DN 80 - DN 100 - DN 125 - DN 150; PN 16.80 - DN 100 - DN 125 - DN 150; PN 16.

REMOTE MONITORING
via web portal
and DConnect app



MCE-C
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CPE, CP-GE SINGLE WITH FLANGES WITH MCE-C VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
						kW	HP					kW	HP		
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

* Proportional differential pressure control mode P-v also available.

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

ELECTRONIC IN-LINE PUMPS FOR CIRCULATION SYSTEMS



DCPE, DCP-GE TWIN FLANGES WITH MCE-C VARIABLE FREQUENCY DRIVE

MODEL	FLANGE DIMENSIONS (mm)		CENTRE DISTANCE	POWER SUPPLY 50/60 HZ - 1x230 ~ V						POWER SUPPLY 50 HZ - 3x400 ~ V					
	DNA	DNM		CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
						kW	HP					kW	HP		
DCP-GE65-1470	65	65	360	60192043*	MCE11/C	1.5	2	14.5	148	60192056*	MCE30/C	1.5	2	3	150
DCP-GE65-2280	65	65	360	-	-	-	-	-	-	60192044*	MCE30/C	3	4	5.6	193
DCP-GE65-2640	65	65	360	-	-	-	-	-	-	60192045*	MCE55/C	4	5.5	8.2	206
DCP-GE65-3400	65	65	360	-	-	-	-	-	-	60192055*	MCE55/C	5.5	7.7	10.2	272
DCP-GE65-4100	65	65	360	-	-	-	-	-	-	60167318*	MCE110/C	7.5	10	14.4	284
DCP-GE65-4700	65	65	475	-	-	-	-	-	-	60167319*	MCE110/C	11	15	19.9	423
DCP-GE65-5500	65	65	475	-	-	-	-	-	-	60167320*	MCE150/C	15	20	26.8	459
DCP-GE80-1400	80	80	360	60192049*	MCE22/C	2.2	3	20.7	177	60192057*	MCE30/C	2.2	3	4.6	179
DCP-GE80-2050	80	80	360	-	-	-	-	-	-	60192050*	MCE55/C	4	5.5	8.2	195
DCP-GE80-2400	80	80	360	-	-	-	-	-	-	60192051*	MCE55/C	5.5	7.5	10.2	264
DCP-GE80-2770	80	80	440	-	-	-	-	-	-	60167321*	MCE55/C	7.5	10	14.4	186
DCP-GE80-3250	80	80	440	-	-	-	-	-	-	60167322	MCE110/C	11	15	19.9	204
DCP-GE80-4000	80	80	440	-	-	-	-	-	-	60167323*	MCE150/C	15	20	26.8	214
DCP-GE100-1600	100	100	500	-	-	-	-	-	-	60192052	MCE55/C	4	5.5	8.2	183
DCP-GE100-1950	100	100	500	-	-	-	-	-	-	60192053	MCE55/C	5.5	7.5	10.2	197
DCP-GE100-2350	100	100	500	-	-	-	-	-	-	60167324*	MCE110/C	7.5	10	14.4	230
DCP-GE100-2400	100	100	550	-	-	-	-	-	-	60167325	MCE110/C	11	15	19.9	273
DCP-GE100-3050	100	100	550	-	-	-	-	-	-	60167326*	MCE150/C	15	20	26.8	352

* Proportional differential pressure control mode P-v also available.

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ELECTRONIC IN-LINE PUMPS

SELECTION TABLES

CPE, CP-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

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	
CP-GE 65-1470	1.5	2	H(m)	14.7			14.5	14.3	13.8	13	11.8	10.5	8.6	7														
CP-GE 65-2280	3	4		22.8			22.5	22.3	22	21.2	20.2	19	17.4	15.5	13.5													
CP-GE 65-2640	4	5.5		26.4			26.2	26	25.6	25	24	23	21.5	19.5	17.5	15												
CP-GE 65-3400	5.5	7.5		34					34	33.5	32.5	31	29.5	27	24													
CP-GE 65-4100	7.5	10		41	-	-	-	-	41	41	40	39	37.5	35.5	33	30	26.5	-	-	-	-	-	-	-	-	-	-	-
CP-GE 65-4700	11	15		47	-	-	-	-	-	-	45.5	45	44.3	43.3	42	40.8	39	37	35	32.3	-	-	-	-	-	-	-	-
CP-GE 65-5500	15	20		55	-	-	-	-	-	-	56	55.5	54	53.5	52	51	49	47.5	45.5	43	41	-	-	-	-	-	-	-
CP-GE 80-1400	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	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	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	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	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	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	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	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	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	11	15		24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	21.4	20.4	20	17.4	16.8	12	
CP-GE 100-3050	15	20		30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	28.4	27.5	27	24.5	21.3	18.3	

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ELECTRONIC IN-LINE PUMPS

SELECTION TABLES

DCPE, DCP-GE - HEATING, AIR CONDITIONING, REFRIGERATION, SOLAR AND DHW

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	
DCP-GE 65-1470	1.5	2	H(m)	14.4	14.2	13.8	13.1	12	10.6	9	7	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	
DCP-GE 65-2280	3	4		22.3	-	-	21.1	19.9	18.4	16.8	14.7	12.5	10.2	-	-	-	-	-	-	-	-	-	-	-	-	-
DCP-GE 65-2640	4	5.5		25.9	-	-	24.6	23.7	22.2	20.7	18.8	16.4	14	11.4	-	-	-	-	-	-	-	-	-	-	-	-
DCP-GE 65-3400	5.5	7.7		33.3	-	-	32.5	31.4	29.7	27.4	25	21.7	18.2	-	-	-	-	-	-	-	-	-	-	-	-	-
DCP-GE 65-4100	7.5	10		40.2	-	-	39.6	39	37.4	35.7	33.4	30.7	27.5	23.9	20.1	-	-	-	-	-	-	-	-	-	-	-
DCP-GE 65-4700	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	15	20		54.3	-	-	-	-	54.7	53.9	52.1	51.2	49.4	48	45.6	43.7	41.3	38.4	36.1	-	-	-	-	-	-	-
DCP-GE 80-1400	2.2	3		13.7	-	-	-	14.3	13.7	13	12.3	11.4	10.3	9.1	7.8	6.5	5.2	4	-	-	-	-	-	-	-	-
DCP-GE 80-2050	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	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	11.2	7.1	-	-	-	-	-	-
DCP-GE 80-2770	7.5	10		27.1	-	-	-	-	-	-	-	26.6	26	25.3	24.3	22.8	21.9	20.5	19.3	16.2	13	11.3	-	-	-	-
DCP-GE 80-3250	11	15		31.9	-	-	-	-	-	-	-	31.2	30.5	29.7	28.5	26.7	25.6	24	22.6	19.1	15.2	13.2	-	-	-	-
DCP-GE 80-4000	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	4	5.5		16	-	-	-	-	-	15.8	15.2	14.5	13.6	12.8	11.8	10.8	9.6	8.4	7.3	5.1	3	-	-	-	-	-
DCP-GE 100-1950	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	6	4.5	-	-	-	-
DCP-GE 100-2350	7.5	10		23.5	-	-	-	-	-	24.5	24.4	24	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	11	15		23.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.9	21	19.7	19.1	15.5	13.4	8.2	
DCP-GE 100-3050	15	20		30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.9	27.9	26.5	25.8	21.8	17	12.5	

DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ALM, ALP

IN-LINE PUMPS



Circulation pumps with in-line ports, designed for civil and industrial heating, air conditioning and domestic hot water systems.

Technopolymer impeller. Asynchronous motor, two-pole for ALP series and four-pole for ALM series.

Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version. For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Bronze pump body and motor support.

New AISI 316 motor shaft and new silicon carbide/silicon carbide mechanical seal for increased reliability.

Operating range

0.6 to 6.5 m³/h with head up to 7.7 metres.

Liquid temperature range

-15 °C to +120 °C.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40 °C.

Maximum working pressure

10 bar (1000 kPa).

Protection degree IP55.

Insulation class F.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

ACCESSORIES
PAGE 77

ALM 200, ALP 800

ALM - 1400 rpm 1/min - 4 poles

ALP - 2800 rpm 1/min - 2 poles

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA			HYDRAULIC DATA						WEIGHT KG	QTY PER PALLET			
				POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q									
					Q=m ³ /h	0		1.2	2.4	3.6	4.8	6			Q=l/min	0	20
ALM 200 M	60214693	180	1½"	1x220-240V~	0.059	0.08	0.7	H (m)	1.9	1.65	1					7.5	39
ALM 200 T	60214694	180	1½"	3x230-400V~	0.059	0.08	0.53-0.3		1.9	1.65	1					7.5	39
ALP 800 M	60214695	180	1½"	1x220-240V~	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	1½"	3x230-400V~	0.14	0.19	1.7-0.9		7.7	7.2	6.3	5.8	3.9	2	7.5	39	

GROUPING: BQ

ALM, ALP

IN-LINE PUMPS



Circulation pumps with in-line ports, designed for civil and industrial heating, air conditioning and domestic hot water systems.

Technopolymer impeller. Asynchronous motor, two-pole for ALP series and four-pole for ALM series.

Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version. For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards. Cast iron pump body and motor support.

New AISI 316 motor shaft and new silicon carbide/silicon carbide mechanical seal for increased reliability

Operating range

1.5 to 8.4 m³/h with head up to 21 metres.

Liquid temperature range

-15 °C to +120 °C.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40 °C.

Maximum working pressure

10 bar (1000 kPa).

Protection degree IP55.

Insulation class F.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	≥ 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4*				

* Available soon

ACCESSORIES
PAGE 77

ALM 500, ALP 2000

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA				HYDRAULIC DATA								WEIGHT KG	QTY PER PALLET		
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q										
						Q=m ³ /h	0		1.2	2.4	3.6	4.8	6	7.2	8.4			Q=l/min	0
ALM 500 M	60214696	250	2" G-M	1x220-240V~	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	1x230V	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 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



DKLM, DKLP

DKLM - 1400 rpm 1/min - 4 poles
DKLP - 2800 rpm 1/min - 2 poles

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG	QTY PER PALLET			
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	0	3.6	4.8	6	9.6	12	14.4	16.8	18	24	30	36	48	60			72		
						KW	HP		Q=l/min	0	60	80	100	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 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		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
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	H(m)	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 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					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					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					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				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			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			93.2	2

Blank flange supplied as standard for twin version.

CM2, CM2-G/DCM2, DCM2-G

IN-LINE PUMPS



In-line pumps for circulation in heating and air conditioning systems in commercial and residential buildings. Also available in twin versions (D versions).

The impeller is made of cast iron or technopolymer, depending on the model. The silicon carbide mechanical seal and EPDM seals maximises the pump's performance and durability, and allows the pump to work with up to 50% glycol, enabling it to operate in environments where temperatures are particularly low.

The pumps can be adapted to different installation standards: thanks to a spacer that is easily installed, the length of the mechanical seal can be changed as required.

The centre distance has a standard length to allow for the replacement of obsolete products in existing systems.

Flow rate up to 105 m³/h

Head up to 110 m

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Maximum glycol percentage 50%

Liquid temperature -15 °C +140 °C

Maximum ambient temperature +50 °C

Maximum working pressure

1600 kPa / 16 bar

Flanging or threading

Flanging to PN10/16

Motor efficiency IE2 up to 0.55 kW; IE3 > 0.75 kW

Motor protection degree IP55

Motor insulation class F

Impeller construction material

Cast iron or technopolymer

Three-phase power supply

3x230 V 50 Hz / 3x400 V 50 Hz

Maximum RPM 2910 rpm

Type of installation possible

fixed horizontal or vertical as long as the motor is positioned above the pump. Vertical installation only for power outputs above 7.5 kW.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

CM2, CM2-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA					WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m ³ /h	0	5	10	15	
						kW	HP	230	400						
CM2 32-450 T	60209861	260	DN32	3x230-400V~	0.26	0.25	0.4	1.2	0.7	H (m)	4.7	4.3	3.2	1.5	21.9
CM2 32-600 T	60209862	260		3x230-400V~	0.33	0.25	0.4	1.3	0.8		6	5.6	4.4	2.4	21.6
CM2 32-800 T	60209863	320		3x230-400V~	0.51	0.37	0.6	2	1.2		7.8	7.6	6.5	4.9	27
CM2 32-1200 T	60209864	320		3x230-400V~	0.73	0.55	0.9	2.4	1.4		10.9	10.6	9.4	7.4	27

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA						WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m ³ /h	0	10	20	25	30	
						kW	HP	230	400							
CM2 40-450 T	60213569	320	DN40	3x230-400V~	0.26	0.25	0.33	1.3	0.77	H (m)	4.6	4.1	2	-	-	31.7
CM2 40-650 T	60213570	320		3x230-400V~	0.51	0.37	0.55	2	1.13		6.4	6	4.1	2.5	-	31.7
CM2 40-850 T	60213571	320		3x230-400V~	0.73	0.55	0.75	2.3	1.34		8.5	7.9	5.9	4.3	-	31.7
CM2 40-1000 T	60213572	320		3x230-400V~	0.73	0.55	0.75	3.1	1.79		9.7	9.7	7.9	6.2	4.1	33.2
CM2 40-1200 T	60215243	440		3x230-400V~	1.68	2.2	3	7.6	4.4		11.9	12	11	10.2	9.1	66
CM2 40-1450 T	60215244	440		3x230-400V~	1.9	2.2	3	8.1	4.7		14.5	14.4	13.2	12.3	11	66
CM2 40-1650 T	60215245	440		3x230-400V~	2.23	2.2	3	8.5	4.9		16.7	16.4	15.1	14	12.7	66
CM2 40-2050 T	60215246	440		3x230-400V~	2.5	2.2	3	9.2	5.3		20.5	20.2	18.4	16.9	15	66

CM2, CM2-G/DCM2, DCM2-G

IN-LINE PUMPS



CM2, CM2-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA								WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h		0	10	20	30	35	40		50
						kW	HP	230	400	Q=l/min	0	167	333	500	583	667	833		
CM2 50-400 T	60215263	280	DN50	3x230-400V~	0.36	0.25	0.33	1.4	0.8	H (m)	3.9	3.7	2.7	1	-	-	-	28.2	
CM2 50-530 T	60215264	280		3x230-400V~	0.52	0.55	0.75	2.1	1.2		5.3	5.2	4.3	2.6	1.4	-	-	28.2	
CM2 50-670 T	60215265	340		3x230-400V~	0.64	0.55	0.75	2.3	1.3		6.7	6.3	5.2	3.4	2.1	-	-	34.5	
CM2 50-850 T	60215269	340		3x230-400V~	0.87	0.75	1	2.9	1.7		8.5	8.3	7.1	5.2	3.9	-	-	36	
CM2 50-1000 T	60215270	340		3x230-400V~	1.18	1.1	1.5	6.9	4		10.5	10.4	9.5	7.4	6	4.4	-	52.6	
CM2 50-1300 T	60215271	440		3x230-400V~	2.3	2.2	3	8.7	5		13.1	13.1	12.5	11.1	10.2	9.1	-	68.9	
CM2 50-1700 T	60215272	440		3x230-400V~	3.18	2.2	3	10.6	6.1		16.8	16.8	16.1	14.7	13.7	12.6	9.8	68.9	
CM2-G 50-2200 T	60215277	440		3x230-400V~	4.4	3	4	7.2	4.2		22.1	22	21.4	20.1	19.2	18	15.2	98	
CM2-G 50-2700 T	60215278	440		3x230-400V~	4.7	4	5.5	8.3	4.8		27.2	26.8	25.7	23.8	22.5	20.9	17	99.5	

DCM2, DCM2-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA					WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h		0	5	10		15
						kW	HP	230	400	Q=l/min	0	83	167	250		
DCM2 32-450 T	60209876	260	DN32	3x230-400V~	0.26	0.25	0.4	1.2	0.7	H (m)	4.4	4.2	3	0.3	46	
DCM2 32-600 T	60209877	260		3x230-400V~	0.33	0.25	0.4	1.3	0.8		6	5.6	4.3	2.2	46	
DCM2 32-800 T	60209878	320		3x230-400V~	0.51	0.37	0.6	2	1.2		7.87	7.6	5.97	4.6	54.5	
DCM2 32-1200 T	60209879	320		3x230-400V~	0.73	0.55	0.9	2.4	1.4		11.6	10.5	10.3	7.2	54.5	

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA						WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h		0	10	20	25		30
						kW	HP	230	400	Q=l/min	0	167	333	417	500		
DCM2 40-450 T	60213573	320	DN40	3x230-400V~	0.26	0.25	0.33	1.2	0.77	H (m)	4.6	3.9	1.1	-	-	65.2	
DCM2 40-650 T	60213574	320		3x230-400V~	0.51	0.37	0.55	1.9	1.13		6.4	5.8	3.2	0.8	-	65.2	
DCM2 40-850 T	60213575	320		3x230-400V~	0.73	0.55	0.75	2.3	1.34		8.3	7.7	5	2.9	-	65.2	
DCM2 40-1000 T	60213576	320		3x230-400V~	0.73	0.55	0.75	2.9	1.79		9.6	9.4	7.2	5.2	2.8	68.2	
DCM2 40-1200 T	60215247	440		3x230-400V~	1.58	2.2	3	7.6	4.4		12.5	12.1	10.6	9.2	7.3	128.9	
DCM2 40-1450 T	60215248	440		3x230-400V~	1.9	2.2	3	8	4.7		14.9	14.5	12.9	11.5	9.5	128.9	
DCM2 40-1650 T	60215249	440		3x230-400V~	2.12	2.2	3	8.5	4.9		16.9	16.6	14.8	13.2	11.1	128.9	
DCM2 40-2050 T	60215250	440		3x230-400V~	2.49	2.2	3	9.2	5.3		20.7	20.2	18.1	16.2	13.6	128.9	

CM2, CM2-G/DCM2, DCM2-G

IN-LINE PUMPS

DCM2, DCM2-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA								WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMIN.		In (A)		Q=m³/h		0	10	20	30	35	40		50
						KW	HP	230	400	0	167	333	500	583	667	833			
DCM2 50-400 T	60215266	280	DN50	3x230-400V~	0.34	0.2	0.27	1.3	0.77	H (m)	4.1	3.7	2.6	0.4	-	-	-	58.2	
DCM2 50-530 T	60215267	280		3x230-400V~	0.49	0.55	0.75	1.9	1.1		5.5	5.3	4.3	2.4	1	-	-	-	58.2
DCM2 50-670 T	60215268	340		3x230-400V~	0.59	0.55	0.75	2.1	1.2		6.8	6.3	5	2.7	0.9	-	-	-	70.8
DCM2 50-850 T	60215273	340		3x230-400V~	0.83	0.75	1	2.9	1.7		8.6	8.3	7	4.6	2.9	-	-	-	73.8
DCM2 50-1000 T	60215274	340		3x230-400V~	1.11	1.1	1.5	6.9	4		10.7	10.5	9.3	6.9	5.2	3.3	-	-	107
DCM2 50-1300 T	60215275	440		3x230-400V~	2.15	2.2	3	8.3	4.8		13.2	13.2	12.4	10.7	9.5	8.2	4.7	-	134.7
DCM2 50-1700 T	60215276	440		3x230-400V~	3.3	3	4	10	5.8		17	16.9	16	14.3	13.1	11.7	8.1	-	134.7
DCM2-G 50-2200 T	60215279	440		3x400V	4.2	3	4	-	4.3		22.5	22.5	21.7	20.1	19	17.6	14.3	-	185.6
DCM2-G 50-2700 T	60215280	440		3x400V	4.7	4	5.5	-	4.8		27.7	27.3	26.3	24.4	23	21.3	17.1	-	188.6

DAB SERVICES

HEATING AND
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DRAINAGE
AND SEWAGE

GROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CP2, CP2-G / DCP2, DCP2-G

IN-LINE PUMPS



In-line pumps for circulation in heating and air conditioning systems in commercial and residential buildings. Also available in twin versions (D versions).

The impeller is made of cast iron or technopolymer, depending on the model. The silicon carbide mechanical seal and EPDM seals maximises the pump's performance and durability, and allows the pump to work with up to 50% glycol, enabling it to operate in environments where temperatures are particularly low.

The pumps can be adapted to different installation standards: thanks to a spacer that is easily installed, the length of the mechanical seal can be changed as required.

The centre distance has a standard length to allow for the replacement of obsolete products in existing systems.

Flow rate up to 105 m³/h

Head up to 110 m

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Maximum glycol percentage 50%

Liquid temperature -15 °C +140 °C

Maximum ambient temperature +50 °C

Maximum working pressure 1600 kPa / 16 bar

Flanging or threading Flanging to PN10/16

Motor efficiency IE2 up to 0.55 kW; IE3 >= 0.75 kW

Motor protection degree IP55

Motor insulation class F

Impeller construction material Cast iron or technopolymer

Three-phase power supply 3x230 V 50 Hz / 3x400 V 50 Hz

Maximum RPM 2910 rpm

Type of installation possible fixed horizontal or vertical as long as the motor is positioned above the pump.

Vertical installation only for power outputs above 7.5 kW.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

CP2, CP2-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA						WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		I _n (A)		Q=m ³ /h		Q=l/min		H(m)			
						kW	HP	230	400	0	10	15	20		30		35
CP2 32-550 T	60209865	260	DN32	3x230-400V-	0.37	0.25	0.4	1.7	1	H(m)	5.5	3.9	2.2	-	-	-	22.6
CP2 32-750 T	60209866	260		3x230-400V-	0.48	0.37	0.6	1.9	1.1		7.4	5.6	3.9	-	-	-	22.6
CP2 32-1100 T	60209867	260		3x230-400V-	0.73	0.55	0.9	2.4	1.4		10.6	8.7	7	4.5	-	-	22.6
CP2 32-1400 T	60209868	260		3x230-400V-	1.07	0.75	1.2	3.5	2		14.2	12.3	10.5	8.2	-	-	24.7
CP2 32-1800 T	60209869	260		3x230-400V-	1.48	1.1	1.8	5.6	3.2		17.7	16	14.3	11.9	5.2	-	25.5
CP2 32-2100 T	60209871	260		3x230-400V-	0.85	0.75	1.2	3	1.7		22.9	16.8	9.6	-	-	-	25
CP2 32-2200 T	60209870	260		3x230-400V-	1.83	1.5	2.4	6.3	3.6		21.9	20.3	18.3	15.7	8.4	-	30
CP2 32-2700 T	60209872	320		3x230-400V-	2.9	2.2	3.5	9	5.2		26.8	25.5	23.7	21.3	15	-	37
CP2 32-3600 T	60209873	320		3x230-400V-	4.08	3	4.8	12.3	7.1		36.4	35.5	33.5	31	24.8	-	45
CP2 32-4000 T	60209874	320		3x230-400V-	4.95	4	6.4	1.1	8.7		40.3	39.4	37.4	34.9	28.4	24.5	45
CP2-G 32-4800 T	60209875	320	3x400V	6.5	5.5	8.8	-	10.5	48.7	48.1	46.5	44.2	37.9	33.8	74		

CP2, CP2-G / DCP2, DCP2-G

IN-LINE PUMPS



CP2, CP2-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA								WEIGHT KG	
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMIN.		In (A)		Q=m³h	0	10	15	20	30	40	50		70
						kW	HP	230	400	Q=l/min	0	167	250	333	500	667	833		1167
CP2 40-600 T	60213577	250	DN40	3x230-400V~	0.37	0.25	0.33	1.7	1	H (m)	6.1	4.4	2.5	-	-	-	-	24.6	
CP2 40-1000 T	60213578	250		3x230-400V~	0.48	0.37	0.55	2.1	1.2		10.2	8.7	6.7	3.7	-	-	-	-	24.6
CP2 40-1300 T	60213579	250		3x230-400V~	0.73	0.55	0.75	2.6	1.5		13.2	11.6	9.7	7.1	-	-	-	-	24.6
CP2 40-1900 T	60213580	320		3x230-400V~	1.83	1.5	2	7.8	4.5		19	19	18.4	17.5	14.7	10.5	-	-	40.2
CP2 40-2200 T	60213581	320		3x230-400V~	2.9	2.2	3	9.7	5.6		22.5	22.5	21.9	20.9	18	14	-	-	40.2
CP2 40-2800 T	60213582	320		3x230-400V~	4.08	3	4	12.5	7.2		27.6	27.8	27.2	26.3	23.5	19.8	-	-	50
CP2 40-3300 T	60213583	320		3x230-400V~	4.95	4	5.5	16.1	9.3		33.1	33.5	32.9	32	29.2	25.3	-	-	53
CP2-G 40-4000 T	60213584	320		3x400V	6.76	5.5	7.5	-	10.9		38.5	39	38.9	38.3	35.7	30.9	-	-	102.8
CP2-G 40-5000 T	60213585	440		3x400V	12.6	7.5	10	-	20.2		48.8	49.2	49	48.6	46.9	44.3	-	-	118.8
CP2-G 40-6600 T	60213586	440		3x400V	16.5	11	15	-	25.9		66.2	66.4	66.1	65.6	63.6	60.5	-	-	166.7
CP2-G 40-8200 T	60213587	440	3x400V	19.5	15	20	-	31.7	82	82.1	81.8	81.2	78.9	74.9	69.1	52.9	166.7		

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA										WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMIN.		In (A)		Q=m³h	0	10	20	30	40	50	60	70	105	
						kW	HP	230	400	Q=l/min	0	167	333	500	667	833	1000	1167	1750	
CP2 50-600 T	60215281	280	DN50	3x230-400V~	0.54	0.55	0.75	2.1	1.2	H (m)	6.1	5.2	3.7	1.8	-	-	-	-	28.2	
CP2 50-800 T	60215282	280		3x230-400V~	0.82	0.55	0.75	2.6	1.5		8	7.5	5.9	3.9	-	-	-	-	28.2	
CP2 50-1100 T	60215285	280		3x230-400V~	1.4	0.8	1	4.2	2.4		11.4	11	9.9	8	5.6	-	-	-	28.2	
CP2 50-1400 T	60215286	280		3x230-400V~	2.1	1.85	2.5	6.8	3.9		14.4	14.3	13.5	12	9.8	6.7	2.7	-	-	36.9
CP2 50-1800 T	60215287	280		3x230-400V~	2.8	2.2	3	8.8	5.1		17.7	18	17.2	15.8	13.7	10.8	6.8	-	-	37
CP2 50-2100 T	60215288	280		3x230-400V~	3.9	3	4	11.8	6.8		21.4	21.8	21.4	20.1	18.1	15.3	11.6	6.8	-	46
CP2 50-2800 T	60215289	340		3x230-400V~	5.1	4	5.5	15.2	8.8		27.9	27.6	26.6	24.9	22.4	19.1	15.2	10.5	-	46
CP2-G 50-3300 T	60215295	340		3x400V	6.4	5.5	7.5	-	6.2		33.8	33.9	33	31.2	28.6	25.2	21.1	16.1	-	89
CP2-G 50-4400 T	60215296	340		3x400V	9.1	7.5	10	-	8.5		43.7	44	43.2	41.5	38.8	35.1	30.5	25	-	106.1
CP2-G 50-5200 T	60215297	440		3x400V	17.1	11	15	-	15.5		52	53.2	52.9	51.7	49.8	47.3	44.2	40.6	-	160.8
CP2-G 50-6600 T	60215298	440	3x400V	23.1	15	22	-	21.6	65.5	67.2	66.8	65.2	62.9	60.3	57.6	54.5	-	160.8		
CP2-G 50-9000 T	60215299	440	3x400V	33.8	22	30	-	31.5	88.8	90.9	90.6	89	86.8	84.4	81.9	79.1	-	283		
CP2-G 50-11100 T	60215300	440	3x400V	39.4	30	40	-	38.2	110.8	112.2	111.5	109.5	106.9	104.1	101.1	97.6	71.1	311.2		

DAB SERVICES
 HEATING AND AIR CONDITIONING
 ES/BOX LINE
 CONTROL UNIT
 WATER PRESSURIZATION
 BOOSTER SETS
 END SUCTION AND VERTICAL MULTISTAGE PUMPS
 DRAINAGE AND SEWAGE
 GROUNDWATER AND IRRIGATION
 SWIMMING POOL PUMPS
 FIRE FIGHTING

CP2, CP2-G / DCP2, DCP2-G

IN-LINE PUMPS

DCP2, DCP2-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA							WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h	0	10	15	20	30	35	
						kW	HP	230	400	Q=l/min	0	167	250	333	500	583	
DCP2 32-550 T	60209880	260	DN32	3x230-400V~	0.37	0.25	0.4	1.7	1	H(m)	5.5	3.4	0.8	-	-	-	46
DCP2 32-750 T	60209881	260		3x230-400V~	0.48	0.37	0.6	1.9	1.1		7.4	5.2	2.8	-	-	-	46
DCP2 32-1100 T	60209882	260		3x230-400V~	0.73	0.55	0.9	2.4	1.4		10.9	8.4	6.1	2.6	-	-	46
DCP2 32-1400 T	60209883	260		3x230-400V~	1.07	0.75	1.2	3.5	2		14.4	12.1	9.8	6.5	-	-	46
DCP2 32-2100 T	60211216	260		3x230-400V~	0.85	0.75	1.2	3	1.7		17.7	15.6	13.2	-	-	-	46
DCP2 32-1800 T	60209884	260		3x230-400V~	1.48	1.1	1.8	5.6	3.2		22.1	20.1	17.4	13.7	6.3	-	49
DCP2 32-2200 T	60209885	260		3x230-400V~	1.83	1.5	2.4	6.3	3.6		23	16.6	8.9	-	-	-	49
DCP2 32-2700 T	60209886	320		3x230-400V~	2.9	2.2	3.5	9	5.2		27.2	25.3	23.3	20.5	12.2	-	71.5
DCP2 32-3600 T	60209887	320		3x230-400V~	4.08	3	4.8	12.3	7.1		36.9	35	33.1	30.4	22.6	-	90
DCP2 32-4000 T	60209888	320		3x230-400V~	4.95	4	6.4	1.1	8.7		40.9	39.1	37	34.1	25.9	21	90
DCP2-G 32-4800 T	60209889	320		3x400V	6.5	5.5	8.8	-	10.5		49.4	47.8	46.2	43.7	34.9	28.9	168

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA										WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h	0	10	15	20	30	40	50	70		
						kW	HP	230	400	Q=l/min	0	167	250	333	500	667	833	1167		
DCP2 40-600 T	60213588	249	DN40	3x230-400V~	0.37	0.25	0.33	1.7	1	H(m)	6	3.9	1.4	-	-	-	-	51		
DCP2 40-1000 T	60213589	249		3x230-400V~	0.48	0.37	0.55	1.9	1.2		10.3	8.5	5.6	1.8	-	-	-	-	51	
DCP2 40-1300 T	60213590	249		3x230-400V~	0.73	0.55	0.75	2.4	1.5		13.1	11.3	8.8	5	-	-	-	-	51	
DCP2 40-1900 T	60213591	320		3x230-400V~	1.83	1.5	2	6.2	4.5		19.1	19.2	18.7	17.7	14.4	9.3	-	-	82.2	
DCP2 40-2200 T	60213592	320		3x230-400V~	2.9	2.2	3	9	5.6		22.4	22.6	22.1	21.2	17.8	12.5	-	-	82.2	
DCP2 40-2800 T	60213593	320		3x230-400V~	4.08	3	4	12.3	7.2		27.7	28.2	27.9	27.1	24.1	19.2	-	-	101.4	
DCP2 40-3300 T	60213594	320		3x230-400V~	4.95	4	5.5	15.1	9.3		33.4	33.9	33.5	32.8	29.9	25.2	-	-	101.4	
DCP2-G 40-4000 T	60213595	320		3x400V	6.5	5.5	7.5	-	10.7		39.2	39.5	39.4	38.9	36.3	31.1	-	-	189.2	
DCP2-G 40-5000 T	60213596	440		3x400V	11.5	7.5	10	-	18.4		49.3	49.4	49	48.4	45.9	41.7	-	-	221.2	
DCP2-G 40-6600 T	60213597	440		3x400V	15.6	11	15	-	25.7		67.9	67.6	67	66.2	63.3	58.7	-	-	316.8	
DCP2-G 40-8200 T	60213598	440		3x400V	19.4	15	20	-	33		83.4	84.3	83.8	82.7	79.2	74.1	67.4	46.1	316.8	

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA										WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN.		In (A)		Q=m³/h	0	10	20	30	40	50	60	70	105	
						kW	HP	230	400	Q=l/min	0	167	333	500	667	833	1000	1167	1750	
DCP2 50-600 T	60215283	280	DN50	3x230-400V~	5.2	0.55	0.75	2.1	1.2	H(m)	6.3	5.3	3.5	1.4	-	-	-	-	58.2	
DCP2 50-800 T	60215284	280		3x230-400V~	0.79	0.55	0.75	2.6	1.5		8.4	7.6	5.8	3.5	-	-	-	-	58.2	
DCP2 50-1100 T	60215290	280		3x230-400V~	1.29	0.8	1.07	3.8	2.2		12.1	11.4	10.1	7.9	4.9	-	-	-	58.2	
DCP2 50-1400 T	60215291	280		3x230-400V~	1.95	1.5	2	6.6	3.8		15	14.8	13.7	11.7	9	5.3	0.7	-	-	75.6
DCP2 50-1800 T	60215292	280		3x230-400V~	2.6	2.2	3	8.3	4.8		18.5	18.6	17.5	15.6	13	9.5	4.8	-	-	75.6
DCP2 50-2100 T	60215293	280		3x230-400V~	3.6	3	4	11.3	6.5		22.1	22.4	21.7	20.1	17.8	14.6	10.5	5.2	-	94.2
DCP2 50-2800 T	60215294	340		3x230-400V~	4.5	7.5	10	14	8.1		28.6	28.1	26.9	24.8	21.7	17.6	12.5	6.7	-	107
DCP2-G 50-3300 T	60215301	340		3x400V	5.9	5.5	7.5	-	5.7		34.6	34.5	33.5	31.5	28.4	24.3	19.2	12.9	-	195.8
DCP2-G 50-4400 T	60215302	340		3x400V	8.2	7.5	11	-	8.11		44.3	44.5	43.7	41.9	38.8	34.5	29	22.5	-	195.8
DCP2-G 50-5200 T	60215303	440		3x400V	16.3	11	15	-	15.1		53.3	54.1	53.7	52.4	50.1	47.1	43.3	38.8	-	308
DCP2-G 50-6600 T	60215304	440		3x400V	23	15	20	-	21.2		67.2	68.8	68.4	66.8	64.4	61.5	58.2	54.4	-	308
DCP2-G 50-9000 T	60215305	440		3x400V	32.3	22	30	-	30.5		89.1	92.2	91.9	89.7	86.8	83.7	80.8	77.8	-	556.4
DCP2-G 50-11100 T	60215306	440	3x400V	36.3	30	40	-	35.3	109.5	112.6	111.6	108.6	104.9	101.2	97.8	94.2	62.4	612.8		

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

IN-LINE PUMPS



Circulation pumps with in-line ports, designed for civil and industrial heating, air conditioning and domestic hot water systems. Cast iron pump body, motor support, impeller and fan cover. Flanged suction and delivery ports PN 16 with threaded holes for control gauges.

Carbon/ceramic mechanical seal.

For the protection of the three-phase, four-pole, asynchronous, externally-ventilated motor, we recommend the use of a motor protector in accordance with current standards.

Operating range

1.2 to 420 m³/h with head up to 41 metres.

Liquid temperature range

-10°C to +140°C depending on model.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure

16 bar (1600 kPa).

Protection degree IP55.

Insulation class F.

Counterflanges PN 16 on request.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4*

* Available soon

ACCESSORIES
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CM-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																WEIGHT KG														
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m ³ /h		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-G 65-420/A/BAQE/0,25	1D4111GXC	360	DN65	3x230-400V~	0.4	0.25	0.33	1.6	0.9	H(m)	4.2										4.1	3.7	3	2.1												55				
CM-G 65-540/A/BAQE/0,37	1D4111G1C	360	DN65	3x230-400V~	0.6	0.37	0.5	1.7	0.98		5.4											5.3	5	4.4	3.5											55				
CM-G 65-660/A/BAQE/0,55	1D4111G2C	360	DN65	3x230-400V~	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	DN65	3x230-400V~	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	DN65	3x230-400V~	1.2	0.75	1	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	DN65	3x230-400V~	1.6	1.1	1.5	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	DN65	3x230-400V~	2	1.5	2	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	DN65	3x230-400V~	2.9	2.2	3	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	DN65	3x400V~ ¹	2.7	3	4	-	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	DN65	3x400V~ ¹	4.3	4	5.5	-	8.2		23.8											24	23.8	23.4	22.7	21.6	20.4	19								92				

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

IN-LINE PUMPS



CM-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA				HYDRAULIC DATA													WEIGHT KG
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)	Q=m³h	0	60	72	84	90	102	114	120	150	180	210	
CM-G 125-1075/A/BAQE/4	1D7311G8X	620	DN 125	3x400V~1	5.1	4	5.5	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	3x400V~1	7.2	5.5	7.5	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	3x400V~1	9.5	7.5	10	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	3x400V~1	13.6	11	15	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	3x400V~1	16.3	15	20	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	3x400V~1	17.9	18.5	25	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	3x400V~1	22.4	22	30	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	3x400V~1	26.5	30	40	53.7		40.2			39.7	39.3	39.1	38.7	37.1	34.6	31.3	26.8	453

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA				HYDRAULIC DATA													WEIGHT KG			
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)	Q=m³h	0	84	90	102	114	120	150	180	210	250	300		360	390	420
CM-G 150-955/A/BAQE/5,5	1D8411G9X	800	DN 150	3x400V~1	7.5	5.5	7.5	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	3x400V~1	8.9	7.5	10	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	3x400V~1	13	11	15	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	3x400V~1	17.5	15	20	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	3x400V~1	21.1	18.5	25	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	3x400V~1	23.8	22	30	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

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

IN-LINE PUMPS



DCM, DCM-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA											WEIGHT KG								
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³/h	0	6	12	18	24	30	36	42	48	54									
						kW	HP	230	400	Q=l/min	0	100	200	300	400	500	600	700	800	900									
DCM-G 65-420/A/BAQE/0,25	60206533	360	DN65	3x230-400V~	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	DN65	3x230-400V~	0.6	0.37	0.5	1.7	1		5.4	5.2	4.4	3.3	1.6														112
DCM-G 65-660/A/BAQE/0,55	60206497	360	DN65	3x230-400V~	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	DN65	3x230-400V~	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	DN65	3x230-400V~	1.2	0.75	1	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	DN65	3x230-400V~	1.6	1.1	1.5	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	DN65	3x230-400V~	2	1.5	2	6.2	3.6		12		11.9	11.6	11	10	9	7.6											161
DCM-G 65-1530/A/BAQE/2,2	60180078	475	DN65	3x230-400V~	2.9	2.2	3	10.2	5.9		15.3		15.2	15	14.4	13.4	12.5	11	9.5	8									173
DCM-G 65-1680/A/BAQE/3	60180079	475	DN65	3x400V~	2.7	3	4	-	6.8		16.8		16.7	16.3	15.7	14.9	13.7	12.4	11	9.3									166
DCM-G 65-2380/A/BAQE/4	60180080	475	DN65	3x400V~	4.3	4	5.5	-	8.2		23.8		23.9	23.5	22.8	21.8	20.3	18.6	16.8	14.5									188

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																WEIGHT KG					
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³/h	0	12	18	24	30	36	42	48	54	60	66	72	78	84	90		102				
						kW	HP	230	400	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	DN80	3x230-400V~	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	DN80	3x230-400V~	1.2	0.75	1	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	DN80	3x230-400V~	1.5	1.1	1.5	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	DN80	3x230-400V~	2	1.5	2	6.2	3.6		8.5		8.3	8	7.5	6.8	6.1	5.3	4.4	3.5											179
DCM-G 80-1050/A/BAQE/2,2	60180085	440	DN80	3x230-400V~	2.4	2.2	3	10.2	5.9		10.1		10.1	9.9	9.5	9	8.4	7.7	6.9												203
DCM-G 80-1530/A/BAQE/3	60180086	500	DN80	3x400V~	3.6	3	4	-	6.8		14.4		14.1	13.7	13	12.2	11.3	10.2	9.2	8	6.8										211
DCM-G 80-1700/A/BAQE/4	60180087	500	DN80	3x400V~	3.9	4	5.5	-	8.2		16		15.7	15.5	15.3	14.6	14	13.2	12.3	11.2	10	8.9	7.7								232
DCM-G 80-2410/A/BAQE/5,5	60180088	620	DN80	3x400V~	6.5	5.5	7.5	-	10.6		24.1					23.3	22.7	22	21.1	20.2	18.9	17.6	16.2								447
DCM-G 80-2700/A/BAQE/7,5	60167327	620	DN80	3x400V~	8.7	7.5	10	-	14.4		27					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	DN80	3x400V~	12.7	11	15	-	22.4		34.2					33.3	33.3	32.9	32.3	31.8	30.9	29.9	29	27.8	24.4	22					502

Blank flange supplied as standard for twin version.

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

IN-LINE PUMPS



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

DCM-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																				WEIGHT KG														
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN. kW	In (A)		Q=m ³ /h	Q=l/min																																	
DCM-G 100-510/A/BAQE/0,75	60180089	500	DN 100	3x230-400V~	1.2	0.75	1	3.1	1.8	H(m)	4.9	4.8	4.7	4.6	4.5	4	3.7	3.2	2.6	2.1																							200
DCM-G 100-650/A/BAQE/1,1	60180090	500	DN 100	3x230-400V~	1.4	1.1	1.5	4.3	2.5		6.3	6.3	6.3	6.1	5.9	5.5	5.1	4.6	4	3.3																				202			
DCM-G 100-660/A/BAQE/1,5	60180091	550	DN 100	3x230-400V~	2	1.5	2	6.2	3.6		6.6				6.4	6.2	6	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	3x230-400V~	3	2.2	3	10.2	5.9		8.6				8.5	8.4	8.1	8	7.7	7.4	7	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	3x400V~	3.6	3	4	-	6.8		10.2				10.2	10	9.8	9.6	9.5	9.3	8.9	8.5	8	7.5	7.1	5.9	4.7	4											224				
DCM-G 100-1320/A/BAQE/4	60180094	550	DN 100	3x400V~	4.6	4	5.5	-	8.2		13.2							13.2	13.1	13	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	3x400V~	6.9	5.5	7.5	-	10.6		16.5							16.5	16.4	16.3	16	15.8	15.5	14.9	14.4	13.7	12.4	10.8	10										356				
DCM-G 100-2050/A/BAQE/7,5	60167329	670	DN 100	3x400V~	8.5	7.5	10	-	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	3x400V~	12.1	11	15	-	22.4		24											23.3	22.8	22.6	22.4	21.9	21.4	21	19.8	18.1	17.5									534			
DCM-G 100-3290/A/BAQE/15	60167331	670	DN 100	3x400V~	17.1	15	20	-	30.5		30.9												30.5	30.3	30.1	29.9	29.4	28.8	28.3	27	25.8	25.1	20								723		
DCM-G 100-3680/A/BAQE/18,5	60167332	670	DN 100	3x400V~	19.6	18.5	25	-	34.3		34.6													34.2	34	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	3x400V~	22.4	22	30	-	40.2		41														41.4	41.4	41.2	41	40.8	40.6	40.5	39.8	39	38.5	34.8	29						969	

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																				WEIGHT KG														
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN. kW	In (A)		Q=m ³ /h	Q=l/min																																	
DCM-G 125-1075/A/BAQE/4	60180096	620	DN 125	3x400V~	5.1	4	5.5	-	8.2	H(m)	10	9.5	9.4	9.2	9	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	3x400V~	7.2	5.5	7.5	-	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	3x400V~	9.5	7.5	10	-	14.4		14.4	14.6	14.4	14.2	14	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	3x400V~	13.6	11	15	-	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	3x400V~	16.3	15	20	-	30.5		24.5												23.8	23.7	23.4	22.7	22.1	20	17.4	13.9											850		
DCM-G 125-3200/A/BAQE/18,5	60167337	800	DN 125	3x400V~	17.9	18.5	25	-	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	3x400V~	22.4	22	30	-	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	3x400V~	26.5	30	40	-	53.7		39													38.9	38.5	37.6	36.6	36.1	33.2	29.5	24.7										1073		

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA																				WEIGHT KG															
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMIN. kW	In (A)		Q=m ³ /h	Q=l/min																																		
DCM-G 150-955/A/BAQE/5,5	60180098	800	DN 150	3x400V~	7.5	5.5	7.5	-	10.6	H(m)	9.6				8.1	7	6.2	4.9	3.5	2.8																								663
DCM-G 150-1322/A/BAQE/7,5	60167340	800	DN 150	3x400V~	8.9	7.5	10	-	14.4		11.8	11.5	11.4	11	10	8.5	7.2	6	5.5																							662		
DCM-G 150-1600/A/BAQE/11	60167341	800	DN 150	3x400V~	13	11	15	-	22.4		14.8												14.2	14.2	14	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	3x400V~	17.5	15	20	-	30.5		18.1													17.9	17.8	17.7	17.5	16.9	15.9	14.8	14	13.5	12	10.5	8.9								788	
DCM-G 150-2200/A/BAQE/18,5	60167343	800	DN 150	3x400V~	21.1	18.5	25	-	34.3		20.2													20.7	20.6	20.4	20.2	19.7	18.5	17.3	16.6	15	14.2	12.2	10.5	8.5							796	
DCM-G 150-2405/A/BAQE/22	60167344	800	DN 150	3x400V~	23.8	22	30	-	40.2		22.5														22.2	22	21.9	21.4	21	20	19	18.5	17.8	16	14	12	9.7						930	

Blank flange supplied as standard for twin version.

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

IN-LINE PUMPS



Circulation pumps with in-line ports, designed for civil and industrial heating, air conditioning and domestic hot water systems. Cast iron pump body and motor support. Flanged suction and delivery ports PN 16 with threaded holes for control gauges. Technopolymer impeller. Carbon/ceramic mechanical seal. For the protection of the three-phase, two-pole, asynchronous, externally-ventilated motor, we recommend the use of a motor protector in accordance with current standards.

Operating range
3.6 to 420 m³/h with head up to 102 metres.

Liquid temperature range
-10°C to +140°C depending on model.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum ambient temperature +40°C.

Maximum working pressure
16 bar (1600 kPa).

Protection degree IP 55.

Insulation class F.

Maximum working pressure
16 bar (1600 kPa).

Insulation class F.

Counterflanges PN 16 on request.

THREE-PHASE MOTORS	P2	<0.75 kW	IE2
		≥0.75 kW < 75 kW	IE3
		≥75 kW	IE4*

* Available soon

ACCESSORIES PAGE 77

CP-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA							HYDRAULIC DATA																		WEIGHT KG												
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOM.		In (A)			Q=m³/h		H (m)																												
						kW	HP	230	400	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	102	114	120		150											
CP-G 65-1470/A/BAQE/1,5	1D4111G5U	360	DN 65	3x230-400V~	1.9	1.5	2	5.2	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	3x230-400V~	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	3x400V~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	3x400V~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	3x400V~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	3x400V~1	8.6	7.5	10	-	14.4	H (m)	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	3x400V~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	3x400V~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	3x400V~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	3x400V~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	3x400V~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, CP-G / DCP, DCP-G - 2 POLES

IN-LINE PUMPS



CP-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA				HYDRAULIC DATA																	WEIGHT KG					
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOM. kW	In (A)	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 80-1400/A/BAQE/2,2	1D5111G6U	360	DN 80	3x230-400V~	3	2.2	3	7.97	4.6																					61
CP-G 80-1700/A/BAQE/3	1D5111G7V	360	DN 80	3x400V~	3.5	3	4	-	5.6																					71
CP-G 80-2050/A/BAQE/4	1D5111G8V	360	DN 80	3x400V~	5	4	5.5	-	8.2																					71
CP-G 80-2400/A/BAQE/5,5	1D5111G9V	360	DN 80	3x400V~	6.4	5.5	7.5	-	10.2																					91
CP-G 80-2770/A/BAQE/7.5	1D5211GAV	440	DN 80	3x400V~	9.2	7.5	10	-	14.4																					91
CP-G 80-3250/A/BAQE/11	1D5211GBV	440	DN 80	3x400V~	12.7	11	15	-	19.9																					98
CP-G 80-4000/A/BAQE/15	1D5211GCV	440	DN 80	3x400V~	17.5	15	20	-	26.8																					167
CP-G 80-5150/A/BAQE/18,5	1D5311GDV	500	DN 80	3x400V~	21	18.5	25	-	33																					121
CP-G 80-5650/A/BAQE/22	1D5311GEV	500	DN 80	3x400V~	25.3	22	30	-	38.1																					124
CP-G 80-6850/A/BAQE/30	1D5311GFV	500	DN 80	3x400V~	32.8	30	40	-	52.1																					314
CP-G 80-8600/A/BAQE/37	1D5411GGV	620	DN 80	3x400V~	41.9	37	50	-	62.6																					424
CP-G 80-9600/A/BAQE/45	1D5411GHV	620	DN 80	3x400V~	51.2	45	60	-	78.4																					347
CP-G 80-10200/A/BAQE/55	1D5511GKV	620	DN 80	3x400V~	63.2	55	75	-	94.6																					621

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA				HYDRAULIC DATA																	WEIGHT KG					
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL kW	In (A)	Q=m³/h	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	3x400V~	5.3	4	5.5	8.2																						64
CP-G 100-1950/A/BAQE/5,5	1D6111G9V	500	DN 100	3x400V~	7	5.5	7.5	10.2																						102
CP-G 100-2350/A/BAQE/7,5	1D6111GAV	500	DN 100	3x400V~	9.2	7.5	10	14.4																						89
CP-G 100-2400/A/BAQE/11	1D6211GBV	550	DN 100	3x400V~	13.9	11	15	19.9																						127
CP-G 100-3050/A/BAQE/15	1D6211GCV	550	DN 100	3x400V~	16.9	15	20	26.8																						150
CP-G 100-3550/A/BAQE/18,5	1D6211GDV	550	DN 100	3x400V~	21.9	18.5	25	33																						146
CP-G 100-3850/A/BAQE/22	1D6211GEV	550	DN 100	3x400V~	26.5	22	30	38.1																						259
CP-G 100-4800/A/BAQE/30	1D6311GFV	550	DN 100	3x400V~	39.2	30	40	52.1																						337
CP-G 100-5600/A/BAQE/37	1D6311GGV	550	DN 100	3x400V~	45	37	50	62.6																						397
CP-G 100-6300/A/BAQE/45	1D6311GHV	550	DN 100	3x400V~	55.9	45	60	78.4																						470
CP-G 100-8300/A/BAQE/55	1D6411GKV	670	DN 100	3x400V~	70.1	55	75	94.6																						627

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

IN-LINE PUMPS



CP-G SINGLE WITH FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG			
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In (A)	Q=m³/h																		
						400	HP		0	90	102	114	120	150	180	210	240	270	300	330	360	390	420				
CP-G 125-4750/A/BAQE/37	1D7311GGV	620	DN 125	3x400V~1	44.7	37	50	62.6	46.5							45	44	42	39	37	34.5	31	28			44	
CP-G 125-5300/A/BAQE/45	1D7311GHV	620	DN 125	3x400V~1	53.9	45	60	78.4	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	3x400V~1	68.2	55	75	94.6	57.5							57	56	55	53	51	49	46	43	39	36		539

DCP-G TWIN FLANGES

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG				
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In (A)	Q=m³/h																			
						230	400		0	6	12	18	24	30	36	42	48	54	60	66	72	78	84		90	102		
DCP-G 65-1470/A/BAQE/1,5	60180117	360	DN 65	3x230-400V~	1.9	1.5	2	5.2	3	14.4	14.2	13.8	13.1	12	10.6	9	7	5.3										127
DCP-G 65-1900/A/BAQE/2,2	60180118	360	DN 65	3x230-400V~	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	3x400V~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	3x400V~1	4.7	4	5.5	-	8.2	25.9			24.6	23.7	22.2	20.7	18.8	16.4	14	11.4								151
DCP-G 65-3400/A/BAQE/5,5	60180121	360	DN 65	3x400V~1	6.6	5.5	7.5	-	10.2	33.3			32.5	31.4	29.7	27.4	25	21.7	18.2	-								202
DCP-G 65-4100/A/BAQE/7,5	60167348	360	DN 65	3x400V~1	8.6	7.5	10	-	14.4	40.2			39.6	39	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	3x400V~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	3x400V~1	17.2	15	20	-	26.8	54.3					54.7	53.9	52.1	51.2	49.4	48	45.6	43.7	41.3	38.4	36.1			420
DCP-G 65-6150/A/BAQE/18,5	60167351	475	DN 65	3x400V~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	46.7	43.8	37.8		450
DCP-G 65-7350/A/BAQE/22	60167352	475	DN 65	3x400V~1	24.1	22	30	-	38.1	72.6					73.4	72.6	71.6	70.9	68	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	3x400V~1	32.5	30	40	-	52.1	91.4					92	91.6	91.2	89.7	87.2	85	82.5	80	76.8	74.6	70.5	63.3		745

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG					
				POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In (A)	Q=m³/h																				
						230	400		0	24	30	36	42	48	54	60	66	72	78	84	90	102	114		120	150			
DCP-G 80-1400/A/BAQE/2,2	60180122	360	DN 80	3x230-400V~	3	2.2	3	7.97	4.6	13.7	14.3	13.7	13	12.3	11.4	10.3	9.1	7.8	6.5	5.2	4							152	
DCP-G 80-1700/A/BAQE/3	60180123	360	DN 80	3x400V~1	3.5	3	4	-	5.6	16.7	17.1	16.5	15.7	14.7	13.7	12.3	11	9.4	7.8	6.2	4.8							160	
DCP-G 80-2050/A/BAQE/4	60180124	360	DN 80	3x400V~1	5	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	3x400V~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	11.2	7.1					194	
DCP-G 80-2770/A/BAQE/7,5	60167355	440	DN 80	3x400V~1	9.2	7.5	10	-	14.4	27.1					26.6	26	25.3	24.3	22.8	21.9	20.5	19.3	16.2	13	11.3			150	
DCP-G 80-3250/A/BAQE/11	60167356	440	DN 80	3x400V~1	12.7	11	15	-	19.9	31.9					31.2	30.5	29.7	28.5	26.7	25.6	24	22.6	19.1	15.2	13.2			169	
DCP-G 80-4000/A/BAQE/15	60167357	440	DN 80	3x400V~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	3x400V~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	3x400V~1	25.3	22	30	-	38.1	53					54.5	54.2	53.2	52.3	51.2	50.1	48.4	47.2	44	40.3	37.7			353	
DCP-G 80-6850/A/BAQE/30	60167360	500	DN 80	3x400V~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	3x400V~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	3x400V~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	74.7		673	
DCP-G 80-10200/A/BAQE/55	60167363	620	DN 80	3x400V~1	63.2	55	75	-	94.6	102.4					103.9	104.1	104.1	104.1	104.1	103.9	103.6	103.1	102.6	101.8	101	98.9	96.3	94.8	939

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

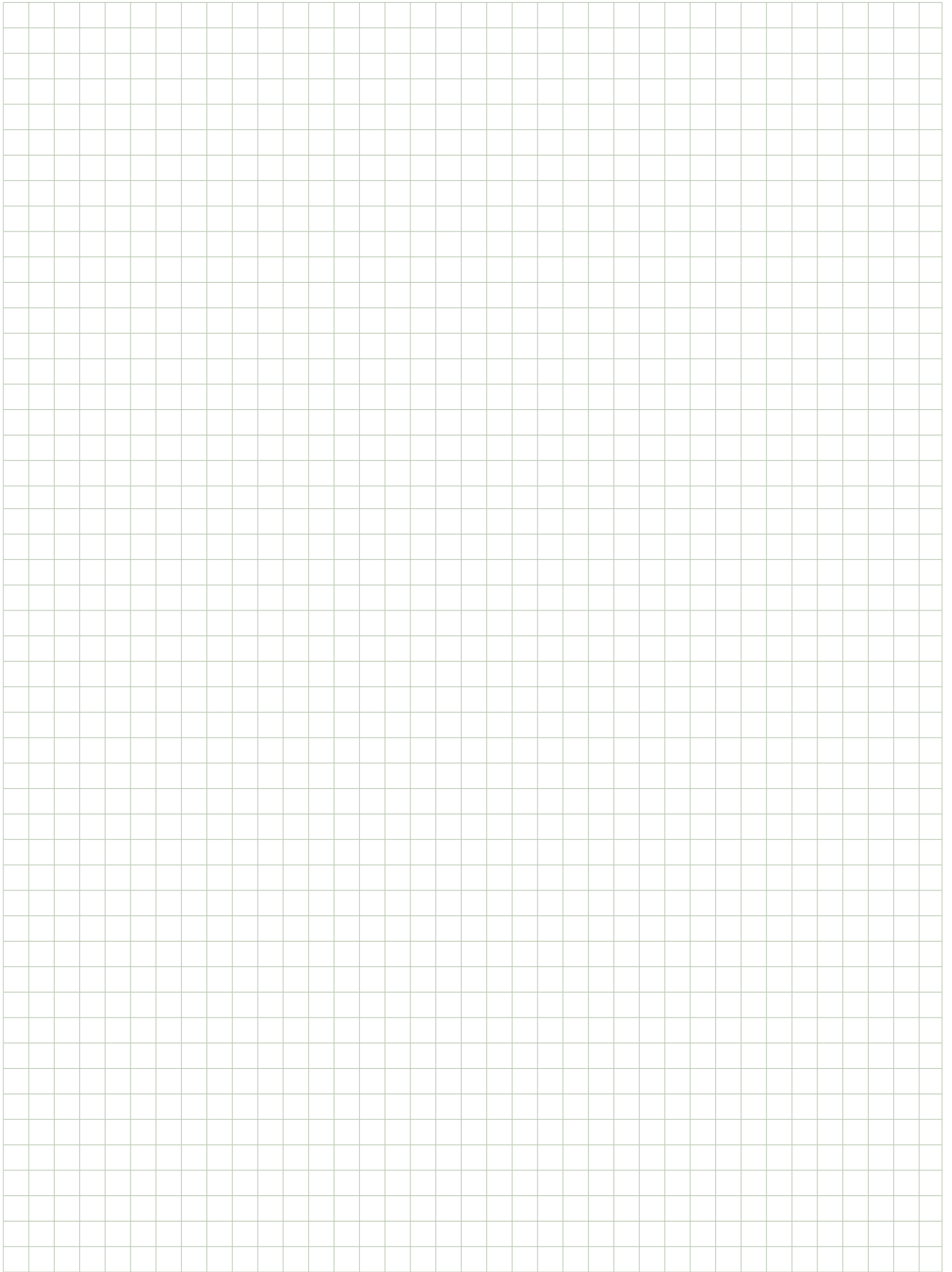
IN-LINE PUMPS



MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																WEIGHT KG												
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h																												
						kW	HP	230	400	0	36	42	48	54	60	66	72	78	84	90	102	114	120	150	180		210	240										
DCP-G 100-1600/A/BAQE/4	60180126	500	DN100	3x400V ~1	5.3	4	5.5	-	8.2	H(m)	16	15.8	15.2	14.5	13.6	12.8	11.8	10.8	9.6	8.4	7.3	5.1	3															128
DCP-G 100-1950/A/BAQE/5,5	60180127	500	DN100	3x400V ~1	7	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	6	4.5													127	
DCP-G 100-2350/A/BAQE/7,5	60167364	500	DN100	3x400V ~1	9.2	7.5	10	-	14.4		23.5	24.5	24.4	24	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	DN100	3x400V ~1	13.9	11	15	-	19.9		23.6											21.9	21	19.7	19.1	15.5	13.4	8.2								412		
DCP-G 100-3050/A/BAQE/15	60167366	550	DN100	3x400V ~1	16.9	15	20	-	26.8		30											28.9	27.9	26.5	25.8	21.8	17	12.5								313		
DCP-G 100-3550/A/BAQE/18,5	60167367	550	DN100	3x400V ~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	DN100	3x400V ~1	26.5	22	30	-	38.1		37.9												37.2	36.8	36	35.8	33.5	30.8	27.5	24						402		
DCP-G 100-4800/A/BAQE/30	60167369	550	DN100	3x400V ~1	39.2	30	40	-	52.1		52.7												52.1	51.6	50.7	50	47.1	42.7	37	29.3						496		
DCP-G 100-5600/A/BAQE/37	60167370	550	DN100	3x400V ~1	45	37	50	-	62.6		61.5												62.4	61.6	61	60.7	57.9	54.1	49.3	43.5						697		
DCP-G 100-6300/A/BAQE/45	60167371	550	DN100	3x400V ~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	DN100	3x400V ~1	70.1	55	75	-	94.6		77.8												79	79	79	78.5	76.1	72.7	68.2	61.8						1388		

MODEL	CODE	CENTRE DISTANCE	PUMP COUP.	ELECTRICAL DATA						HYDRAULIC DATA																WEIGHT KG											
				POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In (A)		Q=m³h																											
						kW	HP	230	400	0	150	180	210	240	270	330	360	390	420																		
DCP-G 125-4750/A/BAQE/37	60167373	620	DN125	3x400V ~1	44.7	37	50	-	62.6														45	44.2	42	39	36	31	20	17.1						863	
DCP-G 125-5300/A/BAQE/45	60167374	620	DN125	3x400V ~1	53.9	45	60	-	78.4	H(m)	49.6	50.5	50	48	43.5	39	29	24	19.3																		1028
DCP-G 125-5800/A/BAQE/55	60167375	620	DN125	3x400V ~1	68.2	55	75	-	94.6														55.7	56.7	56	52	50	46	39	32	28	22.0				1305	






NOTES





ACCESSORIES HEATING AND AIR CONDITIONING

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

UNION KIT	DESCRIPTION	CODE	MODEL	WEIGHT Kg	Q.TY X BOX
	UNION KIT 1/2" F	60110426	EVOSTA 2 40-70/130 (1/2")	0.4	24
			EVOSTA 3 40/130 (1/2") - 60/130 (1/2") - 80/130 (1/2")		
			EVOSTA 2 75/130 SOL (1/2") - EVOSTA 2 105/130 SOL (1/2")		
			EVOSTA 2 145/130 SOL (1/2") - EVOSTA 2 75/130 SOL PWM (1/2") EVOSTA 2 105/130 SOL PWM (1/2") - EVOSTA 2 145/130 SOL PWM (1/2")		
	UNION KIT 3/4" F	547121050	EVOSTA 2 40-70/130 (1")	0.4	24
			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")		
			EVOSTA 2 75/130 SOL (1") - EVOSTA 2 75/180 SOL (1")		
			EVOSTA 2 105/130 SOL (1") - EVOSTA 2 105/180 SOL (1")		
			EVOSTA 2 145/130 SOL (1") - EVOSTA 2 145/180 SOL (1")		
			EVOSTA 2 75/130 SOL PWM (1") - EVOSTA 2 75/180 SOL PWM (1")		
			EVOSTA 2 105/130 SOL PWM (1") - EVOSTA 2 105/180 SOL PWM (1")		
			EVOSTA 2 145/130 SOL PWM (1") - EVOSTA 2 145/180 SOL PWM (1")		
	UNION KIT 1" F	547121060	EVOSTA 2 40-70/130 (1")	0.4	24
			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")		
			EVOSTA 2 75/130 SOL (1") - EVOSTA 2 75/180 SOL (1")		
			EVOSTA 2 105/130 SOL (1") - EVOSTA 2 105/180 SOL (1")		
			EVOSTA 2 145/130 SOL (1") - EVOSTA 2 145/180 SOL (1")		
			EVOSTA 2 75/130 SOL PWM (1") - EVOSTA 2 75/180 SOL PWM (1")		
			EVOSTA 2 105/130 SOL PWM (1") - EVOSTA 2 105/180 SOL PWM (1")		
			EVOSTA 2 145/130 SOL PWM (1") - EVOSTA 2 145/180 SOL PWM (1")		
	UNION KIT 1 1/4" F	547121070	EVOSTA 2 40-70/180X (1"1/4)	0.7	24
			EVOSTA 3 40/180X - 60/180X - 80/180X		
			EVOPPLUS 40/180XM - 60/180XM - 80/180XM - 110/180XM		
			EVOPPLUSLITE 60/180-32 - 80/180-32 - 120/180-32		
			ALME - ALPE		
			ALM 500 - ALP 2000		
	UNION KIT 1 1/4" M	547121080	EVOSTA 2 40-70/130 (1")	0.4	24
			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")		
			EVOSTA 2 75/130 SOL (1") - EVOSTA 2 75/180 SOL (1")		
			EVOSTA 2 105/130 SOL (1") - EVOSTA 2 105/180 SOL (1")		
			EVOSTA 2 145/130 SOL (1") - EVOSTA 2 145/180 SOL (1")		
			EVOSTA 2 75/130 SOL PWM (1") - EVOSTA 2 75/180 SOL PWM (1")		
			EVOSTA 2 105/130 SOL PWM (1") - EVOSTA 2 105/180 SOL PWM (1")		
			EVOSTA 2 145/130 SOL PWM (1") - EVOSTA 2 145/180 SOL PWM (1")		

BRASS UNION KIT - BRASS	DESCRIPTION	CODE	MODEL	WEIGHT Kg	Q.TY X BOX
	BRASS UNION KIT 1/2" F BRASS	547121120	EVOSTA 2 40-70/150 SAN (1") - EVOSTA 2 80/150 SAN (1") - EVOPPLUS SMALL SAN 40/180 (1") - 60/180 (1") - 80/180 (1") - 110/180 (1") - EVOPPLUSLITE SAN 60/180-25 - 80/180-25 - 120/180-25	0.4	24
			VS 8/150 - 16/150 - 35/150 - 65/150		
			ALM 200 - 800		
	BRASS UNION KIT 3/4" F BRASS	547121130	EVOSTA 2 40-70/150 SAN (1") - EVOSTA 2 80/150 SAN (1") - EVOPPLUS SMALL SAN 40/180 (1") - 60/180 (1") - 80/180 (1") - 110/180 (1") - EVOPPLUSLITE SAN 60/180-25 - 80/180-25 - 120/180-25	0.4	24
			VS 8/150 - 16/150 - 35/150 - 65/150		
			ALM 200 - 800		
	BRASS UNION KIT 1" F BRASS	547121140	EVOSTA 2 40-70/150 SAN (1") - EVOSTA 2 80/150 SAN (1") - EVOPPLUS SMALL SAN 40/180 (1") - 60/180 (1") - 80/180 (1") - 110/180 (1") - EVOPPLUSLITE SAN 60/180-25 - 80/180-25 - 120/180-25	0.4	24
			VS 8/150 - 16/150 - 35/150 - 65/150		
			ALM 200 - 800		


HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

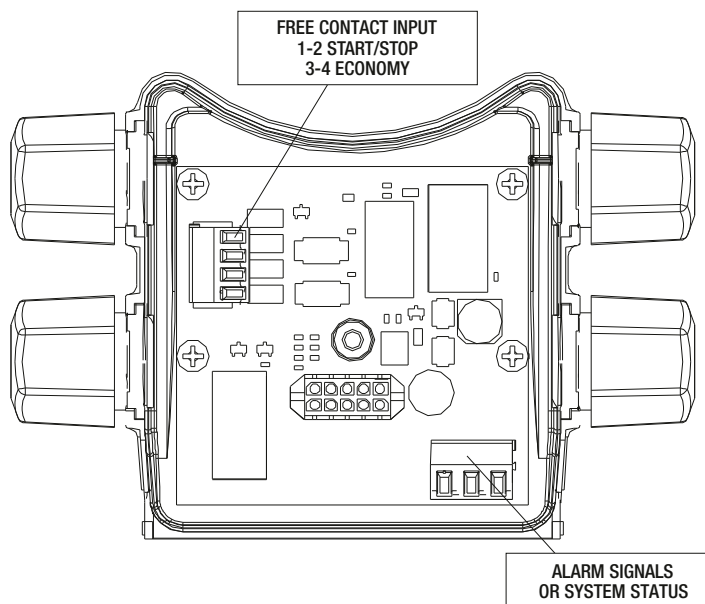
BRASS UNION KIT - COPPER	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	BRASS UNION KIT SOLDER COPPER DIAMETER 22	547121150	EVOPLUS SMALL SAN 40/180 (1") - 60/180 (1") - 80/180 (1") - 110/180 (1") EVOPLUS LITE SAN 60/180-25 - 80/180-25 - 120/180-25	0.4
			VS 8/150 - 16/150 - 35/150 - 65/150 ALM 200 - 800	
	BRASS UNION KIT SOLDER COPPER DIAMETER 28	547121160	EVOPLUS SMALL SAN 40/180 (1") - 60/180 (1") - 80/180 (1") - 110/180 (1") EVOPLUS LITE SAN 60/180-25 - 80/180-25 - 120/180-25	0.4
			VS 8/150 - 16/150 - 35/150 - 65/150 ALM 200 - 800	
COPPER UNION KIT	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	COPPER UNION KIT 2" - 1 1/2"	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 SMALL 40/180 (1") - 60/180 (1") - 80/180 (1") - 120/180 (1") EVOPLUS LITE 60/180-25 - 80/180-25 - 120/180-25	
INSULATION HOUSING KIT	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	INSULATION HOUSING KIT EVOSTA 2 AND 3*	60189434	EVOSTA 2 (all models) EVOSTA 3 (all models) * supplied as standard in the standard version	0.6
	INSULATION HOUSING KIT EVOPLUS SMALL AND EVOPLUS LITE*	60152940	EVOPLUS LITE 60/180-25 - 60/180-32 - 80/180-25 - 80/180-32 - 120/180-25 - 120/180-32 * not supplied as standard (to be purchased separately) EVOPLUS SMALL 40/180 (1") - 40/180 (1" 1/4) - 60/180 (1") - 60/180 (1" 1/4) - 80/180 (1") - 80/180 (1" 1/4) - 110/180 (1") - 110/180 (1" 1/4) * supplied as standard in version	0.6
EVOSTA/EVOPLUS CONNECTOR	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	EVOPLUS SMALL CONNECTOR	60152234	EVOPLUS SMALL (all models)	0.1
	EVOPLUS LITE CONNECTOR	SP00008474	EVOPLUS LITE (all models)	0.1
	EVOSTA 3 ANGLE CONNECTOR WITH CABLE	60192429	EVOSTA 3	0.1
	EVOSTA3 ANGLE CONNECTOR	60206641	EVOSTA 3	0.1

HEATING AND AIR CONDITIONING ACCESSORIES

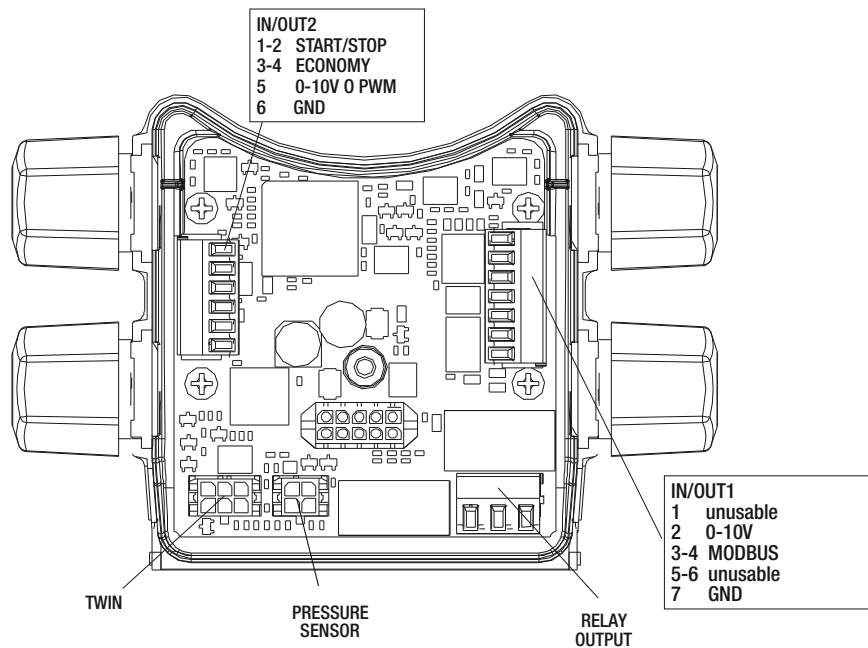
IN-LINE CIRCULATORS AND PUMPS

REMOTE CONTROL MODULES	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	EVOPLUS SMALL BASIC MODULE	60152883	EVOPLUS SMALL (all models) EVOPLUS SMALL SAN (all models)	0.5
	EVOPLUS SMALL MULTIFUNCTIONAL MODULE (FOR VERSIONS WITH SERIAL NUMBER N.3 AND LATER)	60201083	EVOPLUS SMALL (all models) EVOPLUS SMALL SAN (all models) Supplied as standard on Evoplus Small Twin models	0.5

BASIC MODULE





MULTI-FUNCTION MODULE



HEATING AND AIR CONDITIONING ACCESSORIES


IN-LINE CIRCULATORS AND PUMPS

FLANGE KIT *	DESCRIPTION	CODE	MODEL	WEIGHT Kg
 	FLANGE KIT DN 32 PN 10	60153288	EVOPLUS SMALL (all DN32 models) EVOPLUS LITE (All DN32 models) EVOPLUS (all models DN32)	4.7
	FLANGE KIT DN 32 PN 10 AISI 304	60153296	EVOPLUS SMALL SAN (all DN32 models) EVOPLUS LITE SAN (All DN32 models) EVOPLUS SAN (all DN32 models)	4.7
	FLANGE KIT DN 40 PN 10	547121400	EVOPLUS SMALL (all DN40 models) EVOPLUS LITE (All DN40 models) EVOPLUS (all models DN40) 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	2.4
	FLANGE KIT DN 40 PN 10 AISI 304	60153297	EVOPLUS SMALL SAN (all DN40 models) EVOPLUS LITE SAN (All DN40 models) EVOPLUS SAN (all DN40 models)	2.5
	FLANGE KIT DN 50 PN 10	547121410	EVOPLUS (all models DN50) KLME 50/600 - 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	3.2
	FLANGE KIT DN 50 PN 10 AISI 304	60153298	EVOPLUS SAN (all DN50 models)	3
	FLANGE KIT DN 65 PN 10	547121420	EVOPLUS (all DN65 models) 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	4
	FLANGE KIT DN 65 PN 10 AISI 304	60153299	EVOPLUS SAN (all DN65 models)	4
	FLANGE KIT DN 80 PN 10	547121430	EVOPLUS (all DN80 models) BPH - DPH (all DN80 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	4.8
	FLANGE KIT DN100 PN 10	60153289	EVOPLUS (all models DN100)	4.3
	FLANGE KIT DN 40 - PN 16	109620040	CME 40 - CPE 40 - CM - CP 40	5.3
	FLANGE KIT DN 50 - PN 16	109620050	CME 50 - CPE 50 - CM - CP 50	6.3
	FLANGE KIT DN 65 - PN 16	109620060	CME 65 - CM-GE 65 - CP-GE 65 - CM 65 - CP 65	7.5
	FLANGE KIT DN 80 PN 16	109620080	EVOPLUS (all DN80 models) CM-GE 80 - CP-GE 80 - CM 80 - CP 80	9.5
	FLANGE KIT DN 100 PN 16	109620100	EVOPLUS (all models DN100) CM-GE 100 - CP-GE 100 - CM 100 - CP 100	10.9
FLANGE KIT DN 125 - PN 16	109620120	CM-GE 125 - CP-GE 125 - CM 125 - CP 125	14.5	
FLANGE KIT DN 150 - PN 16	109620150	CM-GE 150 - CP-GE 150 - CM 150 - CP 150	18.6	

* The flange kit includes: two counterflanges, nuts and bolts.

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

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

SELECTION TABLE

MODEL	CODE	PUMP MODEL	CODE	MODEL	CODE	PUMP MODEL	CODE
MEDIUM BASE KIT	60199816	CM-G 65-540/A/BAQE/0,37	1D4111G1C	MEDIUM BASE KIT	60199816	CP-G 65-2640/A/BAQE/4	1D4111G8V
		CM-G 65-660/A/BAQE/0,55	1D4111G2C			CP-G 65-3400/A/BAQE/5,5	1D4211G9V
		CM-G 65-420/A/BAQE/0,25	1D4111GXC			CP-G 65-4100/A/BAQE/7,5	1D4211GAV
		CM-G 65-760/A/BAQE/0,55	1D4211G2C			CP-G 65-4700/A/BAQE/11	1D4311GBV
		CM-G 65-920/A/BAQE/0,75	1D4211G3W			CP-G 65-5500/A/BAQE/15	1D4311GCV
		CM-G 65-1080/A/BAQE/1,1	1D4311G4W			CP-G 65-6150/A/BAQE/18,5	1D4311GDV
		CM-G 65-1200/A/BAQE/1,5	1D4311G5W			CP-G 65-7350/A/BAQE/22	1D4411GEV
		CM-G 65-1530/A/BAQE/2,2	1D4311G6W			CP-G 65-9250/A/BAQE/30	1D4411GFV
		CM-G 65-1680/A/BAQE/3	1D4311G7X			CP-G 80-1400/A/BAQE/2,2	1D5111G6U
		CM-G 65-2380/A/BAQE/4	1D4411G8X			CP-G 80-1700/A/BAQE/3	1D5111G7V
		CM-G 80-550/A/BAQE/0,55	1D5111G2C			CP-G 80-2050/A/BAQE/4	1D5111G8V
		CM-G 80-650/A/BAQE/0,75	1D5111G3W			CP-G 80-2400/A/BAQE/5,5	1D5111G9V
		CM-G 80-740/A/BAQE/1,1	1D5211G4W			CP-G 80-2770/A/BAQE/7,5	1D5211GAV
		CM-G 80-890/A/BAQE/1,5	1D5211G5W			CP-G 80-3250/A/BAQE/11	1D5211GBV
		CM-G 80-1050/A/BAQE/2,2	1D5211G6W			CP-G 80-4000/A/BAQE/15	1D5211GCV
		CM-G 80-1530/A/BAQE/3	1D5311G7X			CP-G 80-5150/A/BAQE/18,5	1D5311GDV
		CM-G 80-1700/A/BAQE/4	1D5311G8X			CP-G 80-5650/A/BAQE/22	1D5311GEV
		CM-G 100-510/A/BAQE/0,75	1D6111G3W			CP-G 80-6850/A/BAQE/30	1D5311GFV
		CM-G 100-650/A/BAQE/1,1	1D6111G4W			CP-G 100-1600/A/BAQE/4	1D6111G8V
		CM-GE 65-660	60206461			CP-G 100-1950/A/BAQE/5,5	1D6111G9V
CM-GE 65-1680	60191979	CP-G 100-2350/A/BAQE/7,5	1D6111GAV				

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

MODEL	CODE	PUMP MODEL	CODE	MODEL	CODE	PUMP MODEL	CODE
LARGE BASE KIT	60199817	CM-G 100-660/A/BAQE/1,5	1D6211G6W	LARGE BASE KIT	60199817	CM-G 150-1600/A/BAQE/11	1D8411GBX
		CM-G 100-865/A/BAQE/2,2	1D6211G6W			CM-G 150-1950/A/BAQE/15	1D8411GCX
		CM-G 100-1320/A/BAQE/4	1D6311G8X			CM-G 150-2200/A/BAQE/18,5	1D8411GDX
		CM-G 100-1650/A/BAQE/5,5	1D6311G9X			CM-G 150-2405/A/BAQE/22	1D8411GEX
		CM-G 125-1075/A/BAQE/4	1D7311G8X			CP-G 65-1470/A/BAQE/1,5	1D4111G5U
		CM-G 125-1270/A/BAQE/5,5	1D7311G9X			CP-G 65-1900/A/BAQE/2,2	1D4111G6U
		CM-G 125-1560/A/BAQE/7,5	1D7311GAX			CP-G 65-2280/A/BAQE/3	1D4111G7V
		CM-G 80-2410/A/BAQE/5,5	1D5411G9X			CP-G 80-8600/A/BAQE/37	1D5411GGV
		CM-G 80-3420/A/BAQE/11	1D5511G6X			CP-G 80-9600/A/BAQE/45	1D5411GHV
		CM-G 100-2050/A/BAQE/7,5	1D6411GAX			CP-G 80-10200/A/BAQE/55	1D5511GKV
		CM-G 100-2550/A/BAQE/11	1D6411GBX			CP-G 100-2400/A/BAQE/11	1D6211GBV
		CM-G 100-3680/A/BAQE/18,5	1D6511GDX			CP-G 100-3050/A/BAQE/15	1D6211GCV
		CM-G 100-4100/A/BAQE/22	1D6511GEX			CP-G 100-3550/A/BAQE/18,5	1D6211GDV
		CM-G 125-2100/A/BAQE/11	1D7411G6X			CP-G 100-3850/A/BAQE/22	1D6211GEV
		CM-G 125-2550/A/BAQE/15	1D7411GCX			CP-G 100-5600/A/BAQE/37	1D6311GGV
		CM-G 125-3200/A/BAQE/18,5	1D7511GDX			CP-G 100-6300/A/BAQE/45	1D6311GHV
		CM-G 125-3600/A/BAQE/22	1D7511GEX			CP-G 100-8300/A/BAQE/55	1D6411GKV
		CM-G 125-4022/A/BAQE/30	1D7511GFX			CP-G 125-4750/A/BAQE/37	1D7311GGV
		CM-G 150-955/A/BAQE/5,5	1D8411G9X			CP-G 125-5300/A/BAQE/45	1D7311GHV
		CM-G 150-1322/A/BAQE/7,5	1D8411GAX			CP-G 125-5800/A/BAQE/55	1D7311GKV

DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE



GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

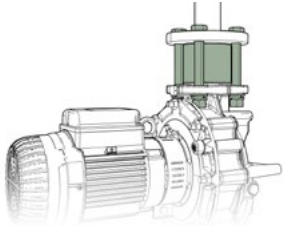
BLANK FLANGE KIT	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	BLANK FLANGE KIT - EVOPLUS S (SUPPLIED AS STANDARD IN THE TWIN VERSION)	60153741	EVOPLUS SMALL (all twin models)	4.7
	BLANK FLANGE KIT - EVOPLUS M&L (SUPPLIED AS STANDARD IN THE TWIN VERSION)	60164747	EVOPLUS MEDIUM & LARGE SAN (all twin models)	4.7
COMPENSATION KIT (FOR EVOPLUS)	DESCRIPTION	CODE	MODEL	WEIGHT Kg
	COMPENSATION KIT DN40 (30MM)	60153181	EVOPLUS (all models DN40)	2.5
	COMPENSATION KIT DN50 (40MM)	60153182	EVOPLUS (all models DN50)	3.3

COMPENSATION KIT

Compensation spacer, to be used to offset the difference in footprint when replacing older models with newer ones.

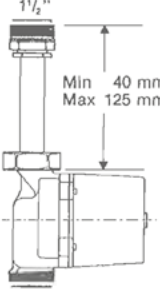
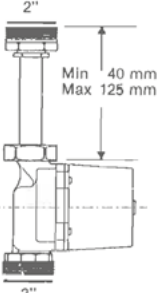
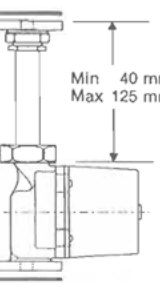
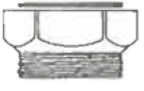
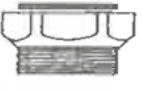

DESCRIPTION	CODE	CM Previous model		CM New model		LENGTH
		DN	CENTRE DISTANCE	DN	CENTRE DISTANCE	
KIT N° 1	147121520	65	475	65	360	115
KIT N° 2	147121530	80	525	80		165
KIT N° 3	147121540				85	
KIT N° 4	147121550				25	
KIT N° 5	147121560	100	550	100	500	50

COMPENSATION KIT CM2-CP2

	DN	CM-CP old range centre distance	DN	CM2-CP2 new range centre distance	CODE	Description
	DN40	390 mm	DN40	320 mm	60220376	COMPENSATION KIT DN40 (70MM)
		380 mm			60220400	COMPENSATION KIT DN40 (60MM)
		390 mm	DN32	260 mm	60220408	COMPENSATION KIT DN40XDN32 (130MM)
		380 mm			60220412	COMPENSATION KIT DN40XDN32 (60MM)
	DN50	400 mm	DN50	280 mm	60220440	COMPENSATION KIT DN50 (60MM)
		425 mm			60220415	COMPENSATION KIT DN50XDN50 (145 MM)
60220423					COMPENSATION KIT DN50 (85 MM)	

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS

"QUICK SERVICE" ADAPTER KIT	DESCRIPTION	CODE	MODEL
	ADAPTOR KIT -A-	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
	ADAPTOR KIT -B-	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
	ADAPTOR KIT -C-	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
	ADAPTOR KIT -E- 2"	547121340	EVOSTA 3 40/180X - EVOSTA 3 60/180X - EVOSTA 3 80/180X
	ADAPTOR KIT -E- 1 1/2"	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 ADAPT. 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

HEATING AND AIR CONDITIONING ACCESSORIES

IN-LINE CIRCULATORS AND PUMPS



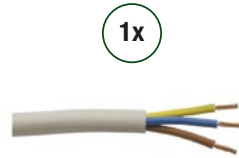
1x

+



1x

+



1x

Max 8

DESCRIPTION	
EVOPLUS	Codes available on page 27

DESCRIPTION	CODE
DCONNECT BOX	60172819

DESCRIPTION	CODE
MODBUS CABLE 15 M	60188145
MODBUS CABLE 100 M	60188144



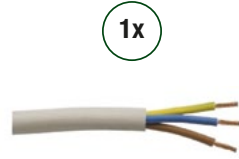
1x

+



1x

+



1x

Max 8

DESCRIPTION	
EVOPLUS SMALL (SINGLE)	Codes available on page 25

DESCRIPTION	CODE
DCONNECT BOX	60172819

DESCRIPTION	CODE
MODBUS CABLE 15 M	60188145
MODBUS CABLE 100 M	60188144

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

TECHNICAL APPENDIX

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETS

END SUCTION AND
VERTICAL MULTISTAGE PUMPS

DRAINAGE
AND SEWAGE

GROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

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

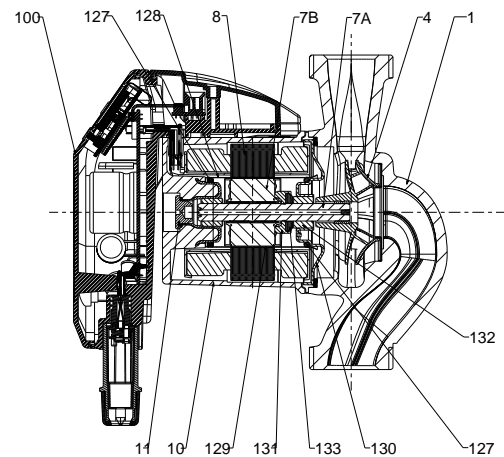
Multifunction Module*

- 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

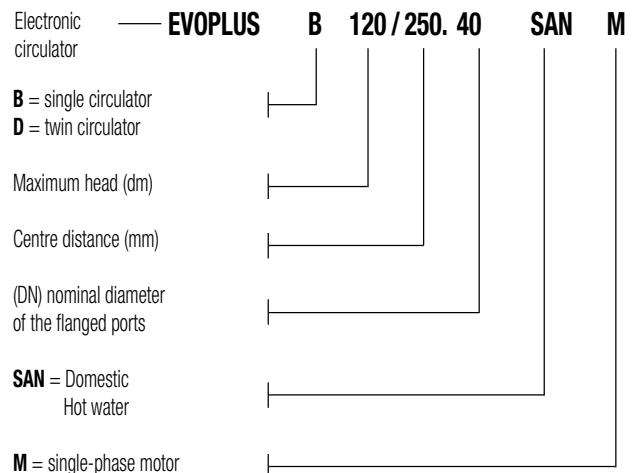
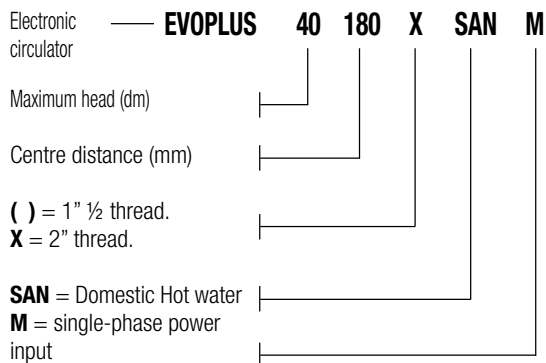
* Inputs available only if the associated function is active

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)



TECHNICAL APPENDIX

EVOPLUS SMALL / EVOPLUS SMALL SAN

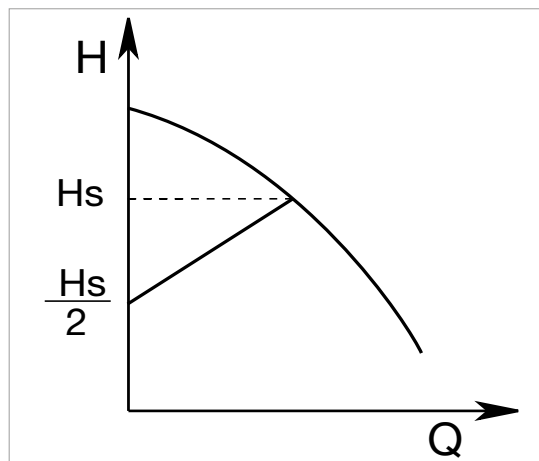
WET ROTOR ELECTRONIC CIRCULATORS

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 H_{setp} to $H_{setp}/2$.



This adjustment is particularly indicated for the following systems:

- 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.
- Under-floor central heating systems with thermostatic valves and significant pressure drops in the boiler circuit.**
- Systems with primary circuit pumps with high pressure drops.**

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

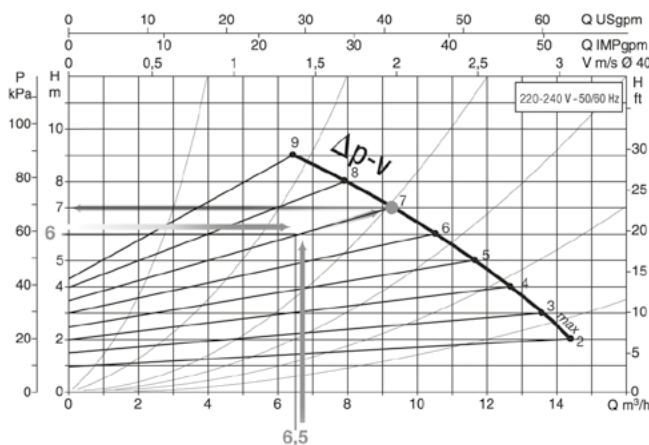
The following operating point is required:

$$Q = 6,5 \text{ m}^3/\text{h}$$

$$H = 6 \text{ m}$$

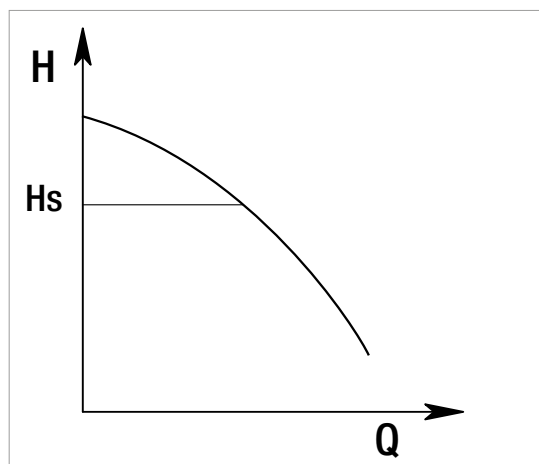
PROCEDURE:

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:

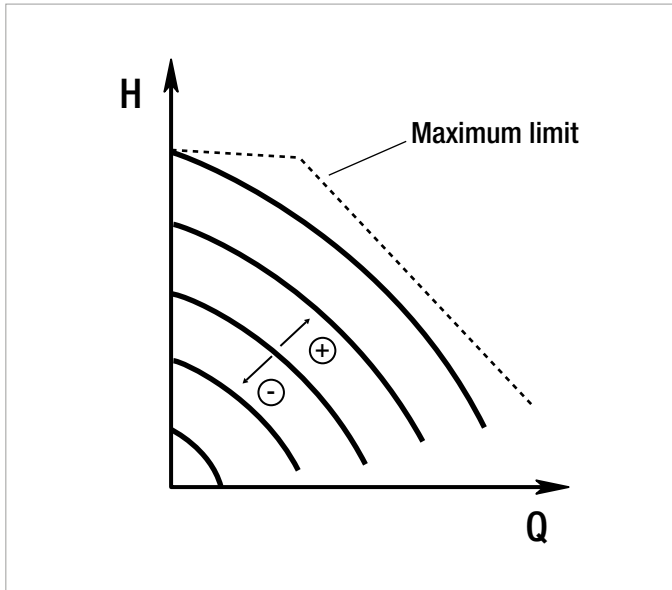
- Two-pipe heating systems with thermostat valves and with:**
 - Head lower than 2 metres;
 - Natural circulation;
 - Low pressure drops in those parts of the system carrying the entirety of the water flow rate;
 - High differential temperature (central heating).
- Under-floor heating systems with thermostat valves**
- Single-pipe heating systems with thermostat valves and calibration valves**
- Systems with primary circuit pumps with low pressure drops.**

TECHNICAL APPENDIX

EVOPLUS SMALL / EVOPLUS SMALL SAN

WET ROTOR ELECTRONIC CIRCULATORS

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.

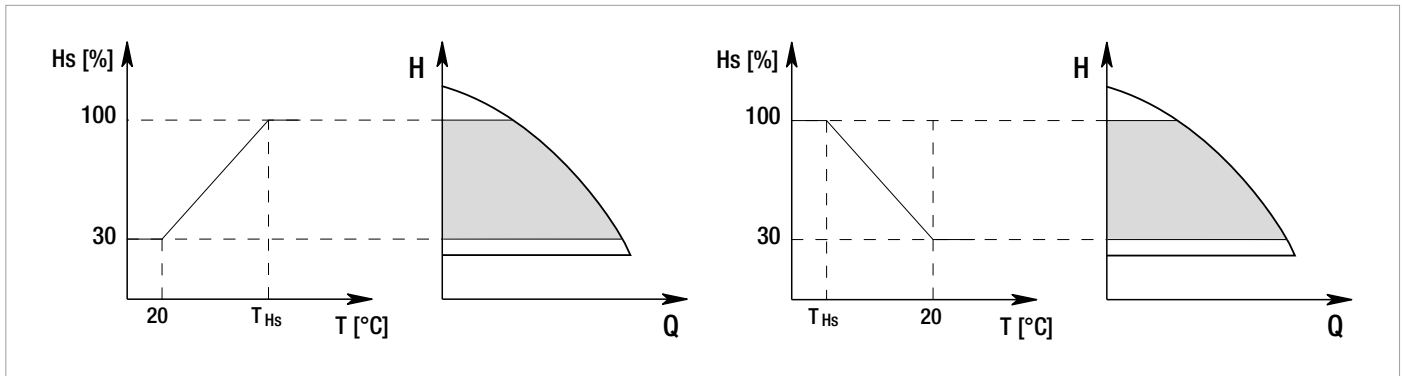
The actual rotation speed may be affected by the power and differential pressure limitations of the actual circulator model.

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:

- 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.
- 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.

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%.

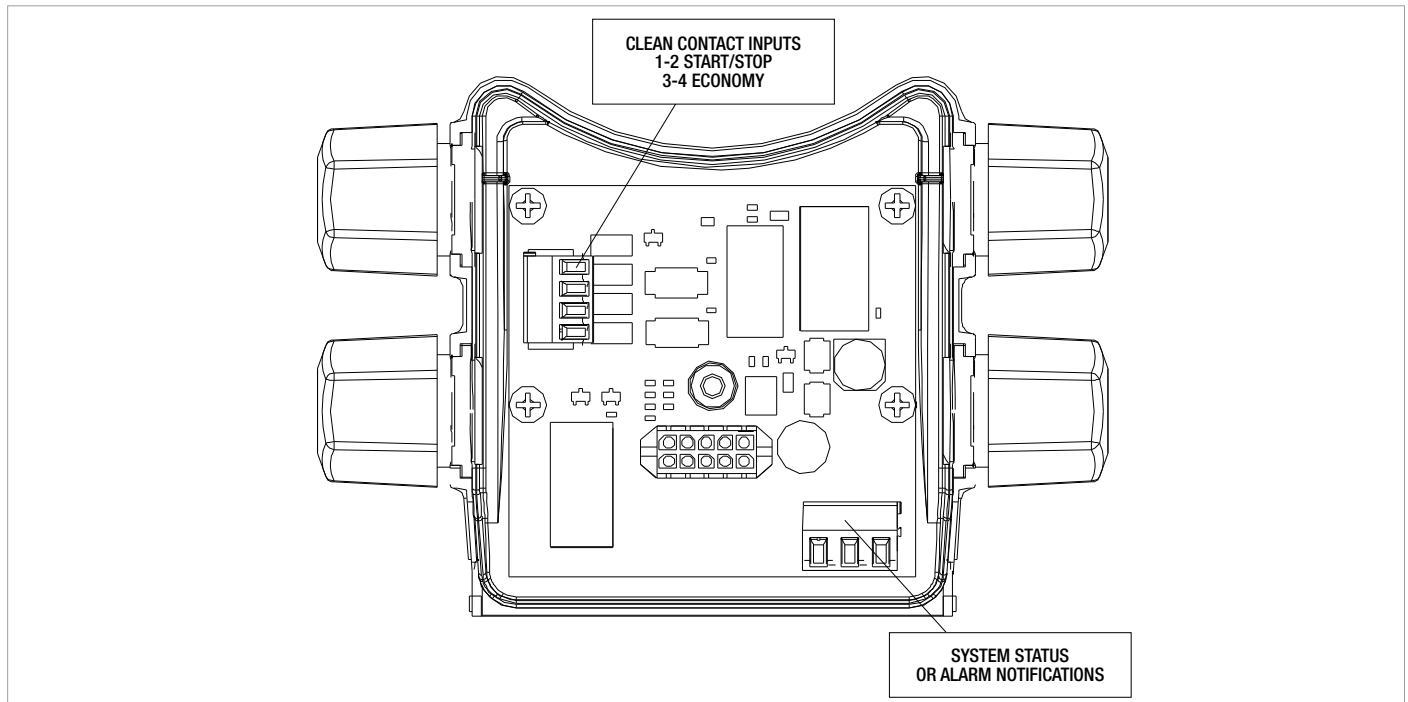
In all the previously listed settings, the Hset value must be replaced with an $Hset \times f.rid$.

TECHNICAL APPENDIX

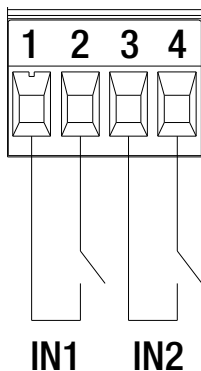
EVOPLUS SMALL / EVOPLUS SMALL SAN

WET ROTOR ELECTRONIC CIRCULATORS

BASE MODULE



Digital inputs



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

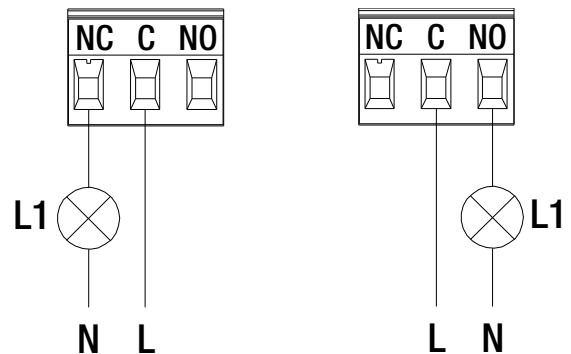
Input	Terminal no.	Type of contact	Associated function
IN1	1	Clean contact	EXT: If it is activated from the control panel, it will be possible to remotely control the switching on and off of the pump.
	2		
IN2	3	Clean contact	Economy: If it is activated from the control panel, it will be possible to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

Output	Terminal no.	Type of contact	Associated function
OUT1	NC	NC	<ul style="list-style-type: none"> • 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).

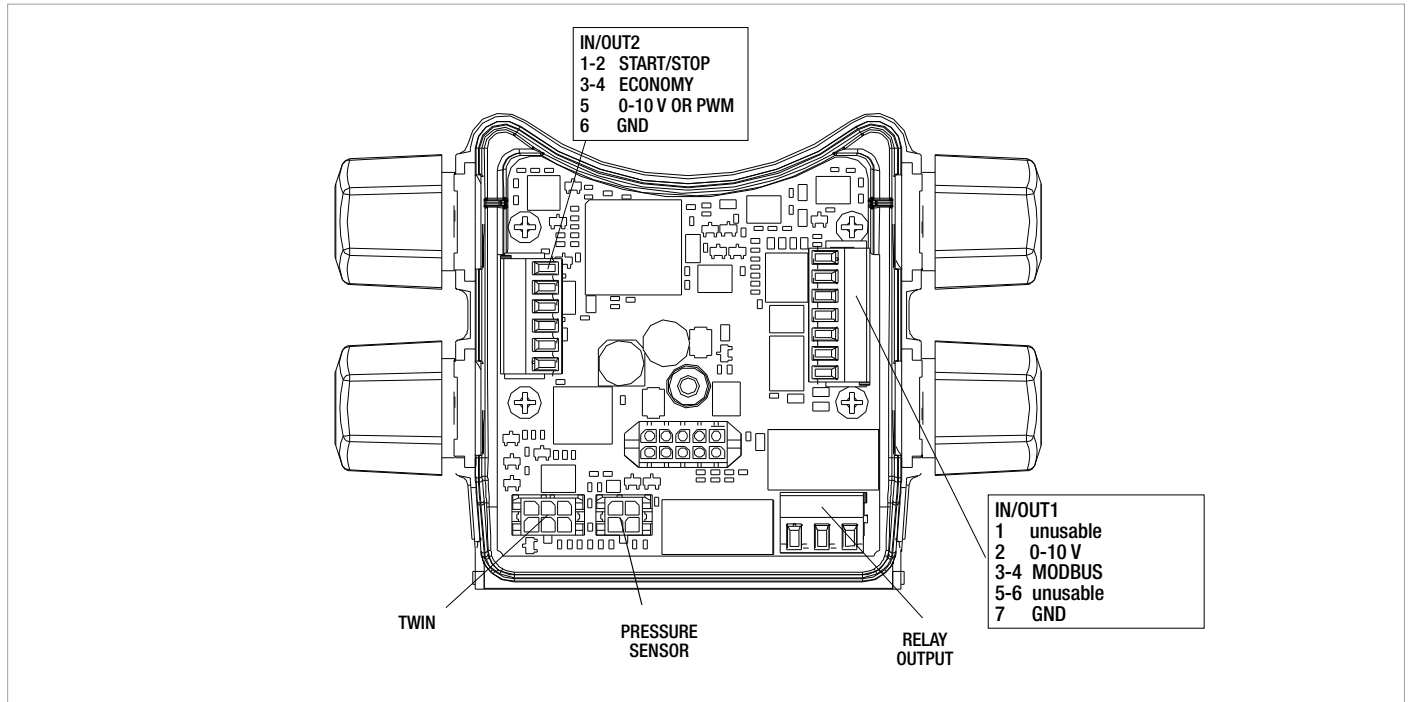
Characteristics of the output contacts	
Max sustainable voltage [V]	250
Max sustainable current [A]	5 - If resistive load 2,5 - If inductive load
Max cable section accepted [mm ²]	1,5

TECHNICAL APPENDIX

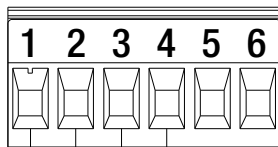
EVOPLUS SMALL / EVOPLUS SMALL SAN

WET ROTOR ELECTRONIC CIRCULATORS

MULTIFUNCTION MODULE



Digital inputs



IN1 IN2

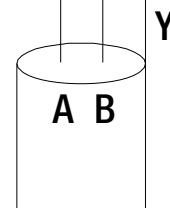
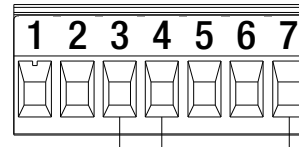
IN/OUT2
 1-2 START/STOP
 3-4 ECONOMY
 5 0-10V, PWM and NTC
 6 GND

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



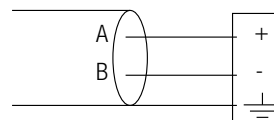
IN/OUT1
 1 unusable
 2 0-10 V
 3-4 modbus
 5-6 unusable
 7 GND

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

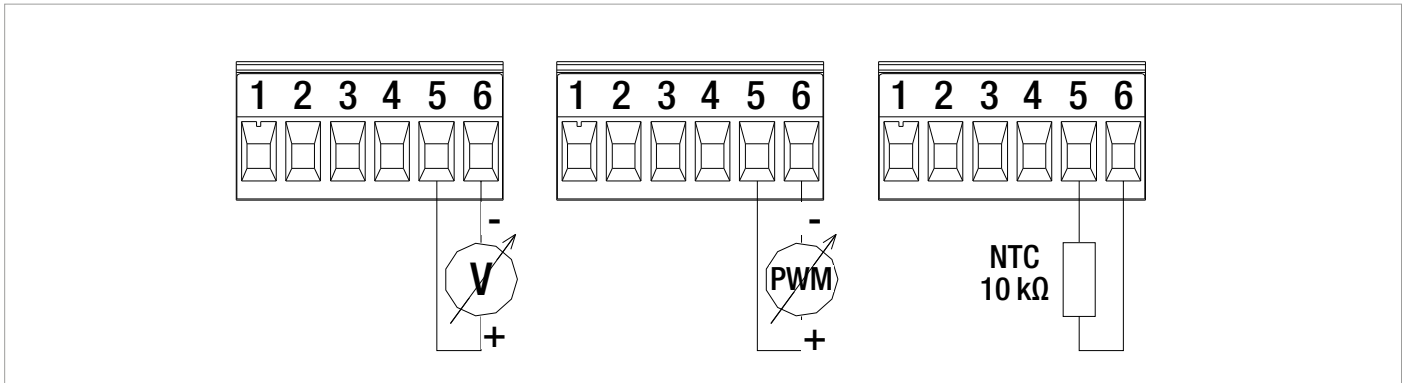
Using some modules available on the market, the circulator, and therefore its status, can also be made available to a LonWorks network. It will then be possible to change the parameters of the circulator by reading and amending the registers as indicated in the "Modbus Protocol instruction manual", available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

TECHNICAL APPENDIX

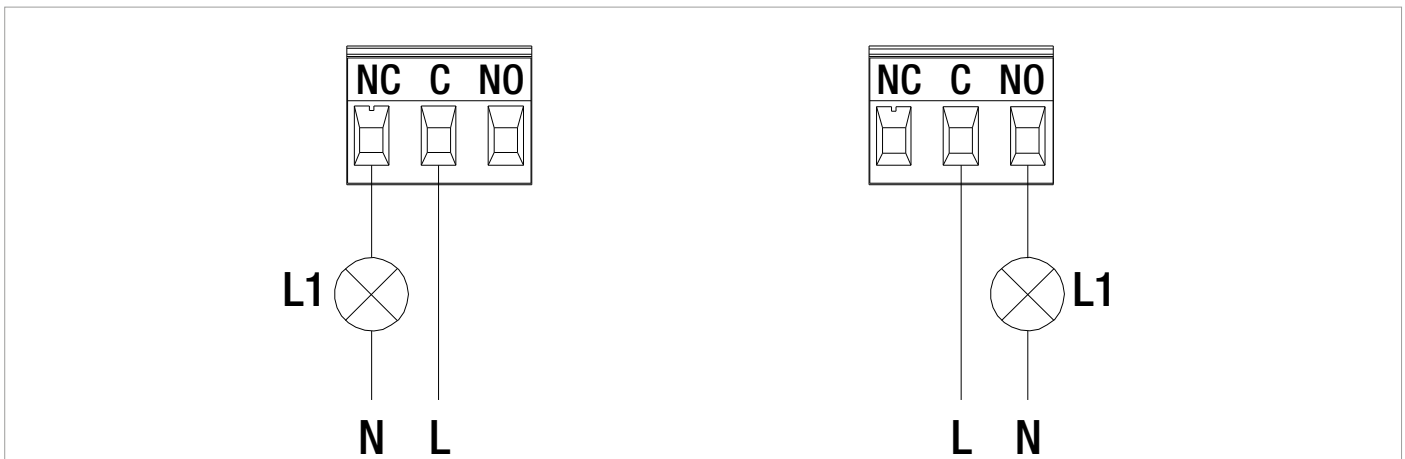
EVOPLUS SMALL / EVOPLUS SMALL SAN

WET ROTOR ELECTRONIC CIRCULATORS

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	<ul style="list-style-type: none"> • 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:

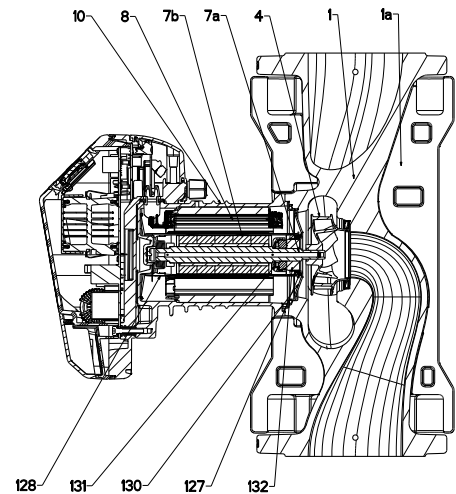
- Sine-wave PWM modulation
- High carrier frequency to eliminate all audio band noise
- 2 dedicated 32 bit processors
 - One for driving the motor;
 - One for the user interface, enabling to perform the following functions:
 - Start/stop command
 - Economy command
 - 0-10 V analogue signal command
 - 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.

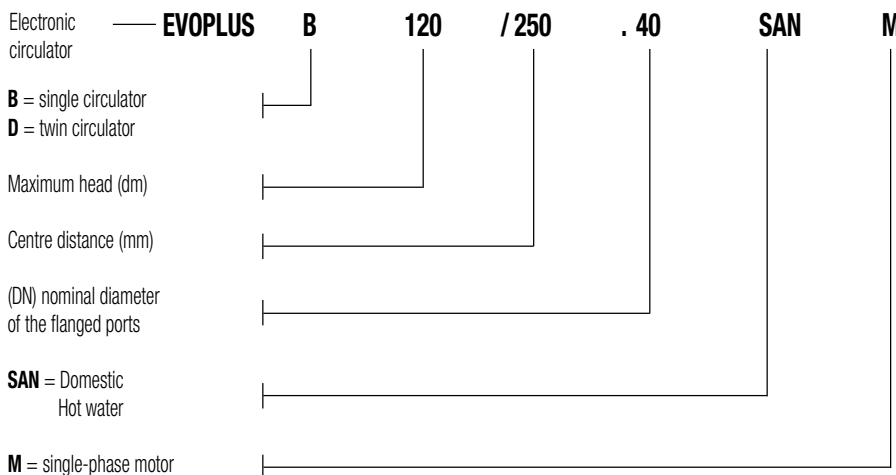
An intuitive and functional user interface guarantees ease of calibration by all users. The easy to read OLED display on the control panel, three simple navigation keys, an in-line cascade menu featuring the latest mobile technology trends, and a wide range of functions, mean that Evoplus circulators 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

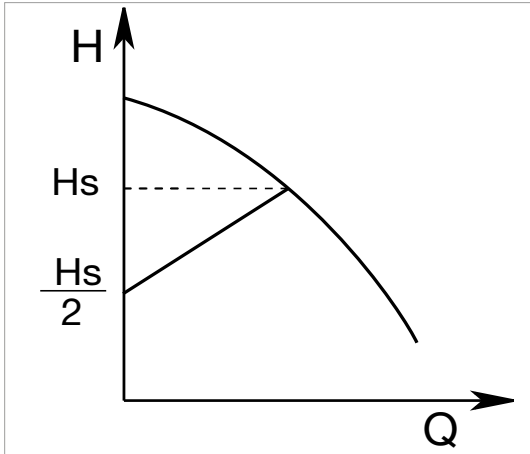
WET ROTOR ELECTRONIC CIRCULATORS

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 H_{setp} to $H_{setp}/2$.



This adjustment is particularly indicated for the following systems:

- 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.
- Under-floor central heating systems with thermostatic valves and significant pressure drops in the boiler circuit.**
- Systems with primary circuit pumps with high pressure drops.**

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

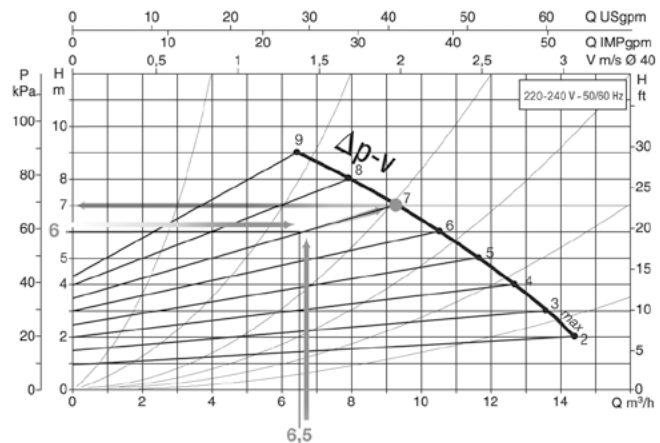
The following operating point is required:

$$Q = 6,5 \text{ m}^3/\text{h}$$

$$H = 6 \text{ m}$$

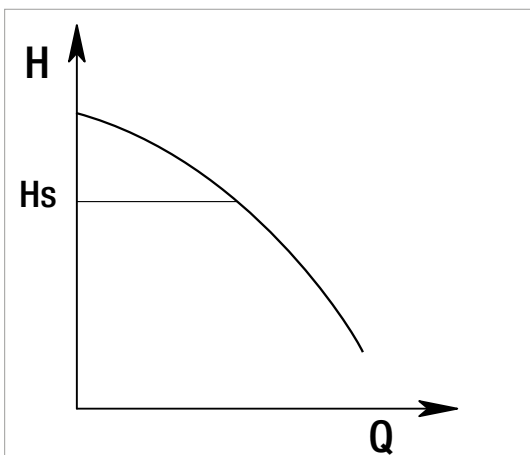
PROCEDURE:

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:

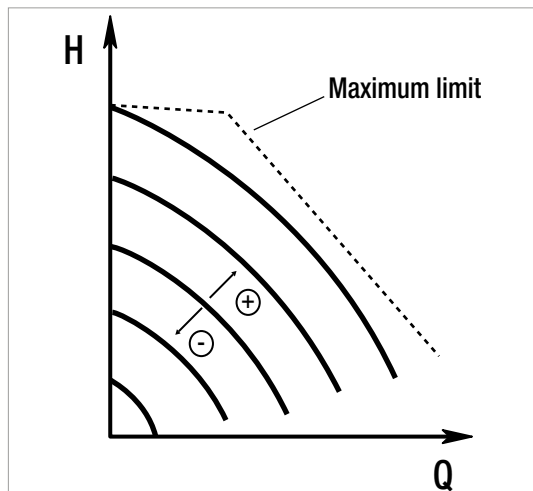
- Two-pipe heating systems with thermostat valves and with:**
 - Head lower than 2 metres;
 - Natural circulation;
 - Low pressure drops in those parts of the system carrying the entirety of the water flow rate;
 - High differential temperature (central heating).
- Under-floor heating systems with thermostat valves**
- Single-pipe heating systems with thermostat valves and calibration valves**
- Systems with primary circuit pumps with low pressure drops.**

TECHNICAL APPENDIX

EVOPLUS / EVOPLUS SAN

WET ROTOR ELECTRONIC CIRCULATORS

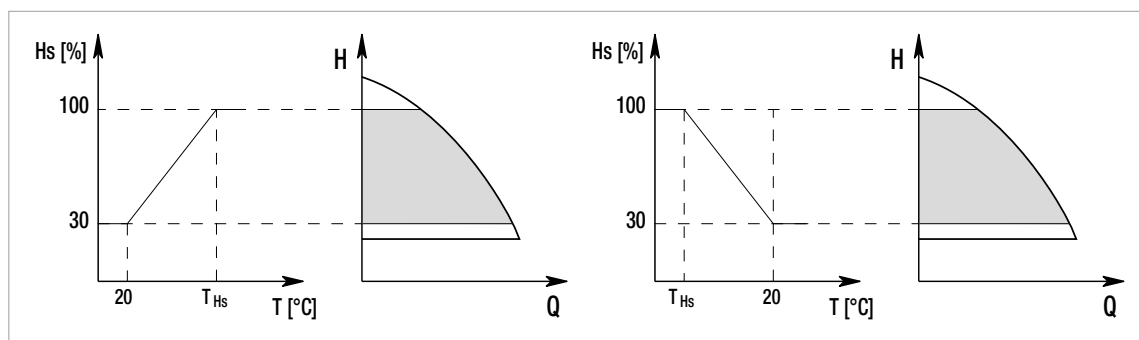
3 - Constant curve adjustment modes



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:

- 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.
- 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.

ECONOMY MODE

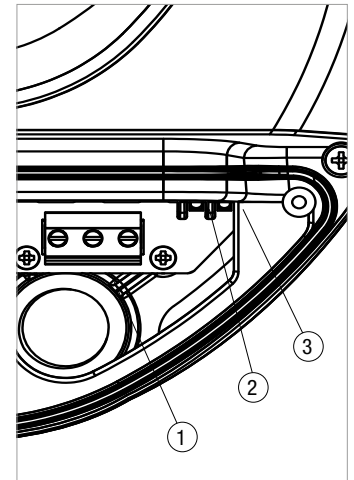
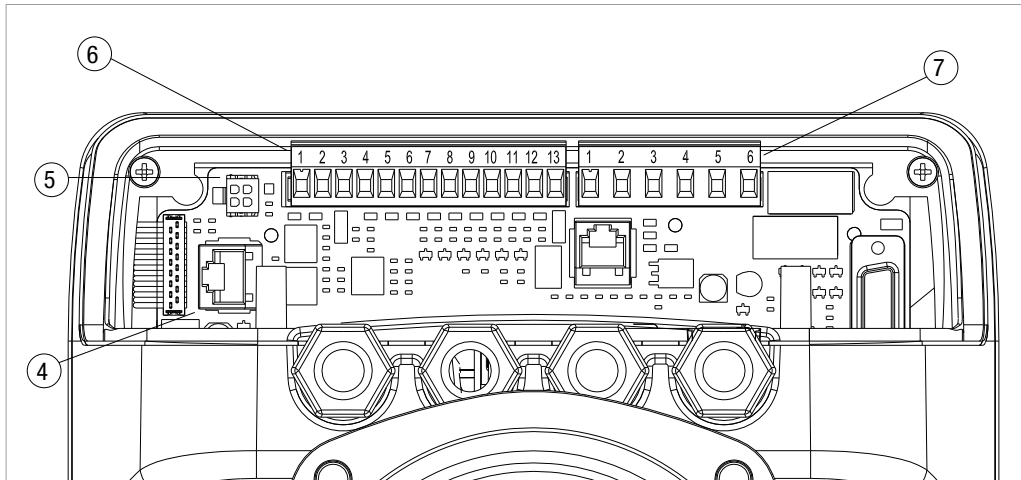
The economy function can be set directly on the control panel, by setting a reduction value (f.rid), the maximum value of which can be 50%. In all the previously listed settings, the Hset value must be replaced with an Hset x f.rid.

TECHNICAL APPENDIX

EVOPLUS / EVOPLUS SAN

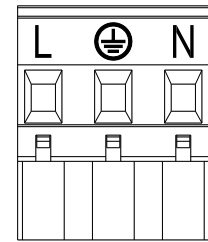
WET ROTOR ELECTRONIC CIRCULATORS

CONNECTION DIAGRAM



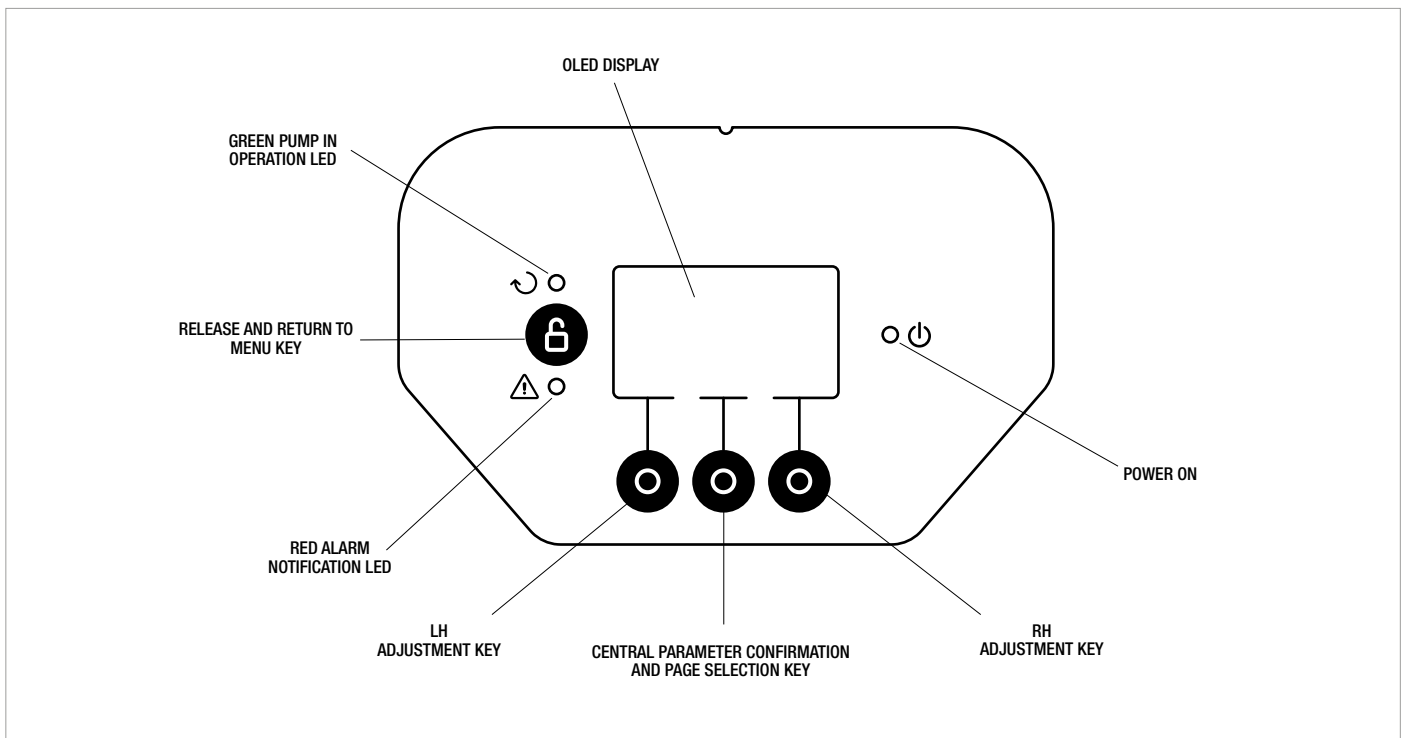
1	Removable terminal box for the connection of the power input line: 1x220-240 V, 50/60 Hz
2	Auxiliary LED
3	High voltage LED
4	Connector for twin circulators
5	Connector for pressure and temperature sensor on the circulator (as standard)
6	Removable 13-pole terminal box for the connection of MODBUS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

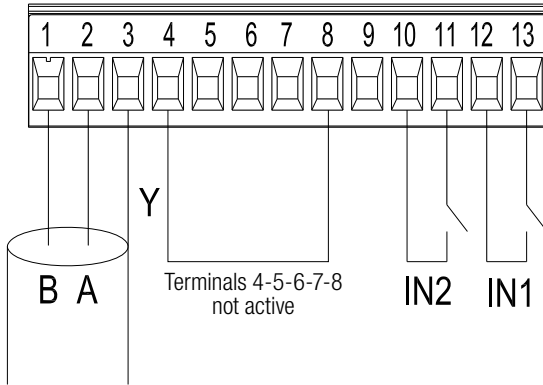


TECHNICAL APPENDIX

EVOPLUS / EVOPLUS SAN

WET ROTOR ELECTRONIC CIRCULATORS

Digital inputs

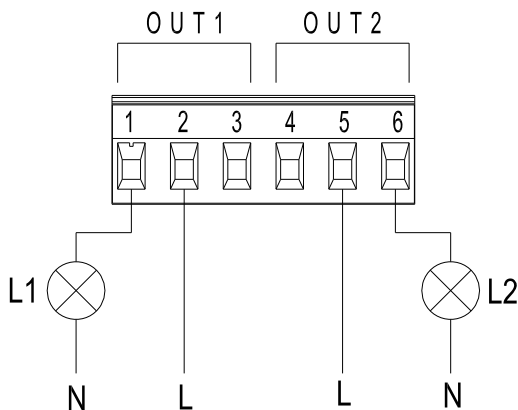


Input	Terminal no.	Type of contact	Associated function
IN1	12	Clean contact	EXT: If it is activated from the control panel, it will be possible to remotely control the switching on and off of the pump.
	13		
IN2	10	Clean contact	Economy: If it is activated from the control panel, it will be possible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

Digital outputs



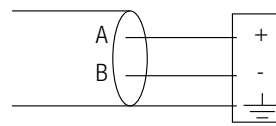
Light L1 comes on when the system includes an alarm, and goes off when no faults are detected, while light L2 comes on when the pump is in operation, and goes off when the pump is stopped.

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

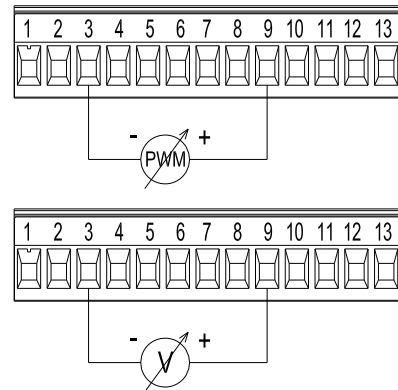
LONBUS



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.

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

esybox LINE



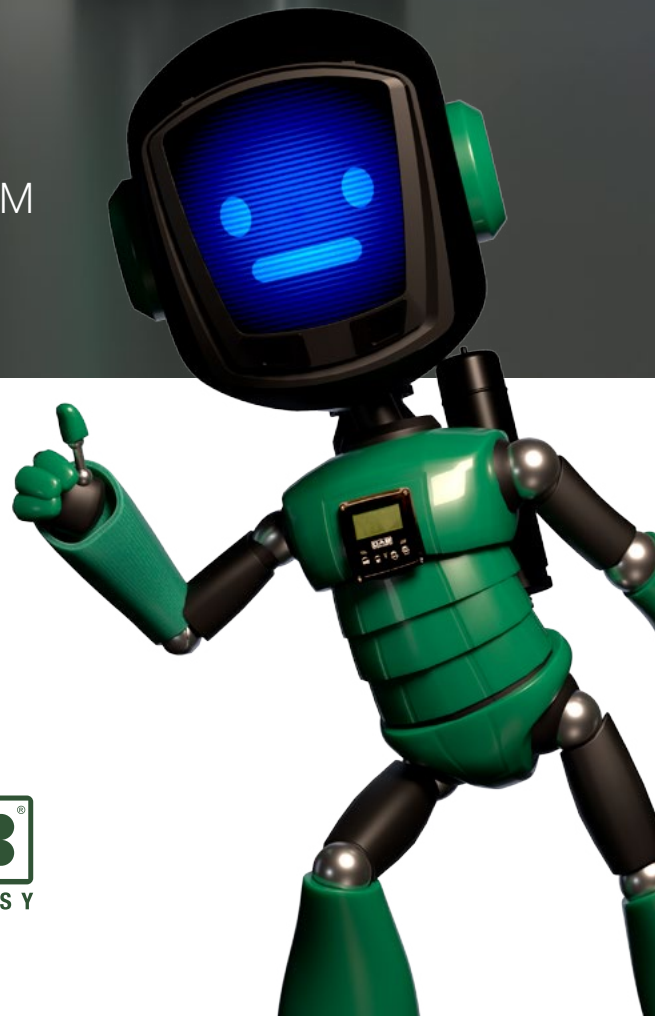
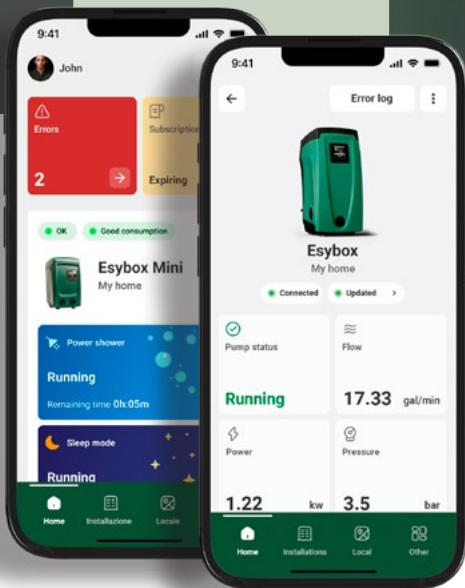
MODULARITY AND CONNECTIVITY THE REVOLUTION OF WATER PRESSURISATION



DAB'S DIGITAL SOLUTION
ARE EVOLVING!

ESYBOXLINE.COM



DAB
MAKING WATER EASY

CONTENTS - ESYBOX LINE



ESYBOX POP

ELECTRONIC PRESSURIZATION SYSTEM

NEW

G1

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2 ESYBOX MINI WITH ESYTWIN MINI

ELECTRONIC BOOSTER SET

E7

PAGE 111



ESYBOX MINI 3

ELECTRONIC PRESSURIZATION SYSTEM

E7

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2 ESYBOX WITH ESYTWIN

ELECTRONIC BOOSTER SET

E7

PAGE 112



ESYBOX

ELECTRONIC PRESSURIZATION SYSTEM

E7

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ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM

G4

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ESYBOX DIVER

7" ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS WITH BUILT-IN VARIABLE FREQUENCY DRIVE

E7

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ACCESSORIES

PAGE 121

DISCOVER THE HISTORY OF
esybox LINE



esybox LINE

Installed **all around the world** to **Make water management experience easier.**

With the launch of our first EsyBox, over 10 years ago, revolutionized the concept of pressurization systems with a fully integrated electronic solution.

More than just a range of products, the EsyBox Line today represents a new experience in water management for a diversity of applications.





Gardening & irrigation



Water boosting



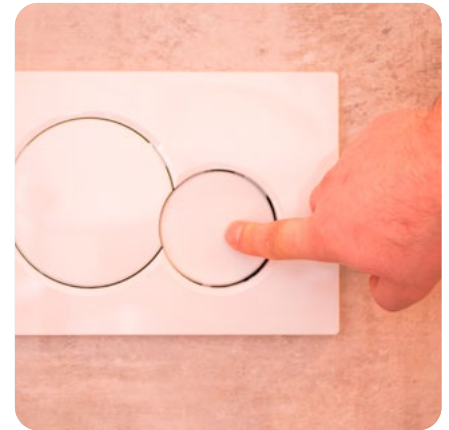
Water purifying



Rainwater reuse



Hydroponic



Grey water reuse



HO.RE.CA.

The fluid being pumped must be clean, free from solid particles or abrasives, non-viscous, non-corrosive, non-crystallizing, and chemically stable.

WHICH ESYBOX DO YOU NEED? FOLLOW THESE STEPS:

CALCULATION OF THE HEAD

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

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, ...).

SELECTION TABLE

If you're in the market for a domestic water pressure boosting system, then the EsyBox Line is just what you're looking for. EsyBox is DAB's integrated system for domestic pressure boosting; it's quiet and saves you energy by supplying constant pressure based on your actual water demand. Don't delay, discover the full EsyBox Line today!

		WATER PRESSURE BOOSTING	
		SMALL APARTMENT with 1 bathroom (6* 🚰)	MEDIUM-SIZE APARTMENT with 2 bathrooms (10* 🚰)
		MAXIMUM NUMBER OF APARTMENTS	
		4 taps turned on at the same time (with no suction pressure)	
		6 taps turned on at the same time (1 bar suction - where allowed)	
		10 taps turned on at the same time (2 bar suction - where allowed)	
ESYBOX POP 	All on the same floor	4	3
	GF + 1 floor	3	2
	GF + 2 floors	1	1
ESYBOX MINI³ 	All on the same floor	14	9
	GF + 1 floor	10	7
	GF + 2 floors	7	5
2 ESYBOX MINI WITH ESYTWIN MINI 	All on the same floor	50	35
	GF + 1 floor	40	30
	GF + 2 floors	30	20
ESYBOX 	All on the same floor	14	9
	GF + 1 floor	10	7
	GF + 2 floors	7	5
2 ESYBOX WITH ESYTWIN 	All on the same floor	14	9
	GF + 1 floor	10	7
	GF + 2 floors	7	5
ESYBOX DIVER 	GF + 1 floor	40*	40*
	GF + 3 floors	20*	20*
	GF + 5 floors	10*	10*
	ESYBOX MAX 45/120	GF + 1 floor	60*
	ESYBOX MAX 60/120	GF + 3 floors	35*
		GF + 5 floors	25*
ESYBOX MAX 85/120		GF + 1 floor	50*
	GF + 3 floors	45*	
	GF + 5 floors	40*	

* We recommend installing 2 pumps to ensure uninterrupted service

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 POP

ELECTRONIC PRESSURIZATION SYSTEM



NEW



This electronic pressurisation system is designed for small residential environments: it features sound-absorbing materials and a water-cooled permanent magnet motor, ensuring quiet operation, which makes it particularly suitable for home use.

The professional performance of this device is ensured by its advanced components, which include: an anti-cycling feature, which detects leaks by monitoring the frequency of starts and stops; an automatic shut-off mechanism that activates in the event of dry running; an anti-freeze system - to prevent ice formation in the hydraulic components, the pump activates when temperatures drop below 5°C; a motor-protection technology to prevent issues from prolonged inactivity.

The adjustable connections facilitate installation. Integrated connectivity enables users to configure settings via a smartphone and access cloud services without the need for additional accessories. The remote control works with H₂D app.

Operating range

flow rate up to 3.9 m³/h; head up to 32 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range

5°C to +50°C

Maximum ambient temperature +50°C.

Maximum working pressure

6 bar (600 kPa).

Protection degree IPX5.

Insulation class F.

Installation

vertical or wall-mounting using the dedicated accessory

esybox pop



REMOTE MONITORING
Via web portal and
H₂D App

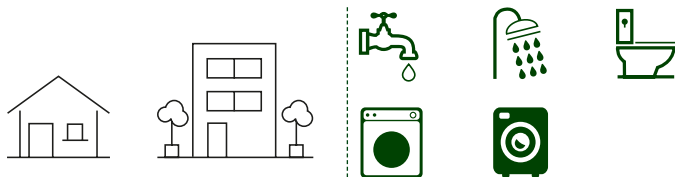


H2D
PAGE 11

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 - 60 Hz	P1 MAX		In A	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6				
			kW	HP		Q=l/min	0	10	20	30	40	50	60				
ESYBOX POP	60220687	1x220-240 V ~	0.3	0.4	1.5	H (m)	32	31	26.8	21.6	16	10.1	5	3/4	3/4	4.4	76

APPLICATIONS



EsyBox Pop

- 4 taps running simultaneously (with zero inlet pressure)
 - 6 taps running simultaneously (1 bar inlet pressure – where permitted)
 - 10 taps running simultaneously (2 bar inlet pressure – where permitted).
- Indicative data. Refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS



SUITABLE FOR PUMPING WATER FROM:



RAINWATER COLLECTION
TANKS



AQUEDUCT
where permitted by law



CISTERNS



Work just got smarter...and for you home too!



OVERVIEW

H₂D shows you your real-time consumption along with device status.



SMART HOME, TALK TO ESYBOX POP!

You can even ask your voice assistant to activate comfort modes: it's that easy!



POWER SHOWER

Provides a "power shower" by increasing water pressure just for the time it takes to shower.



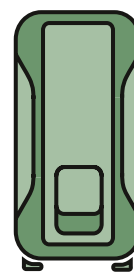
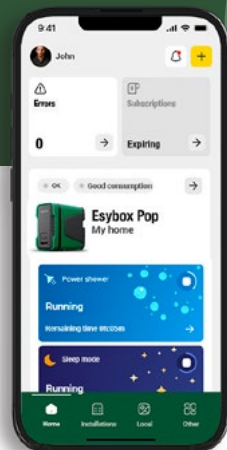
GOOD NIGHT

A useful feature for nighttime, or when taking a quick nap: it switches the already super quiet pump to whisper-quiet operation, further reducing energy usage.



HOLIDAY MOOD

Minimizes device activity and energy usage when you're away for extended periods.



SOUND
PRESSURE** 40
db(A)

22,4 x 20,9 x 12,2 cm

** In "good night" mood.

** Sound pressure measured at a distance of 1 metre in free field.

discover **esybox LINE**



The latest revolution from the EsyBox Line that revolutionized water.

esybox pop



Perfect pressure

Enjoy water that always flows at your perfect intensity. Even in multiple spots at once, without compromise.



All-in-one

EsyBox Pop has everything you need to work right out of the box. No components required: simply plug & play. And with its accessories, it easily adapts to your specific needs.



Compact and light

EsyBox Pop looks great, but when needed, it's not afraid of tight spaces, whether it's a garage or a basement.



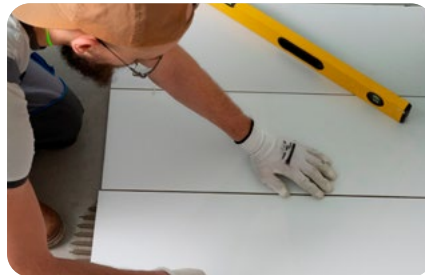
Smart and connected

Set comfort mode, and track consumption: discover how you can even talk directly to your smart pump!



The solution you've been waiting for

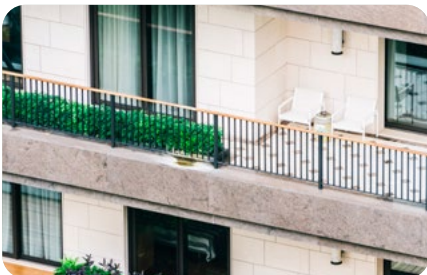
From its compact size to its smart management, **EsyBox Pop** is designed to **simplify every step**: from installation to maintenance, including setup and use.



Bathroom renovation



Areas affected by water rationing



Apartments, even on upper floors



Whole-house renovation



Replacing noisy pumps

Ultimate home comfort, made simple.



Quick maintenance

The modular design makes the pump easy to maintain. Components can be replaced quickly, reducing downtime and lowering service costs.



Maximum versatility

With its compact size, reduced weight, and rotatable fittings, EsyBox Pop can be installed in spaces where no other product can fit.



Small size, big performance

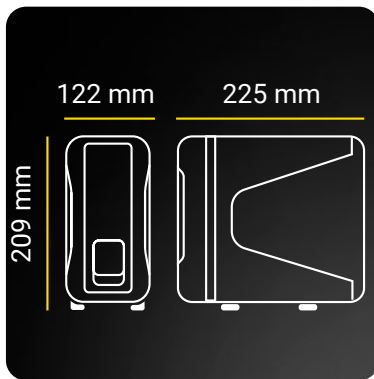
Compact yet technologically advanced, with minimal consumption and ultra-quiet operation. Smart connectivity ensures an optimal user experience.



Intuitive setup

Configure the pump quickly and easily via the DAB H₂D app, monitor its operation and troubleshoot remotely, saving both time and money.

Compact and light



Ultra-quiet and all-in-one



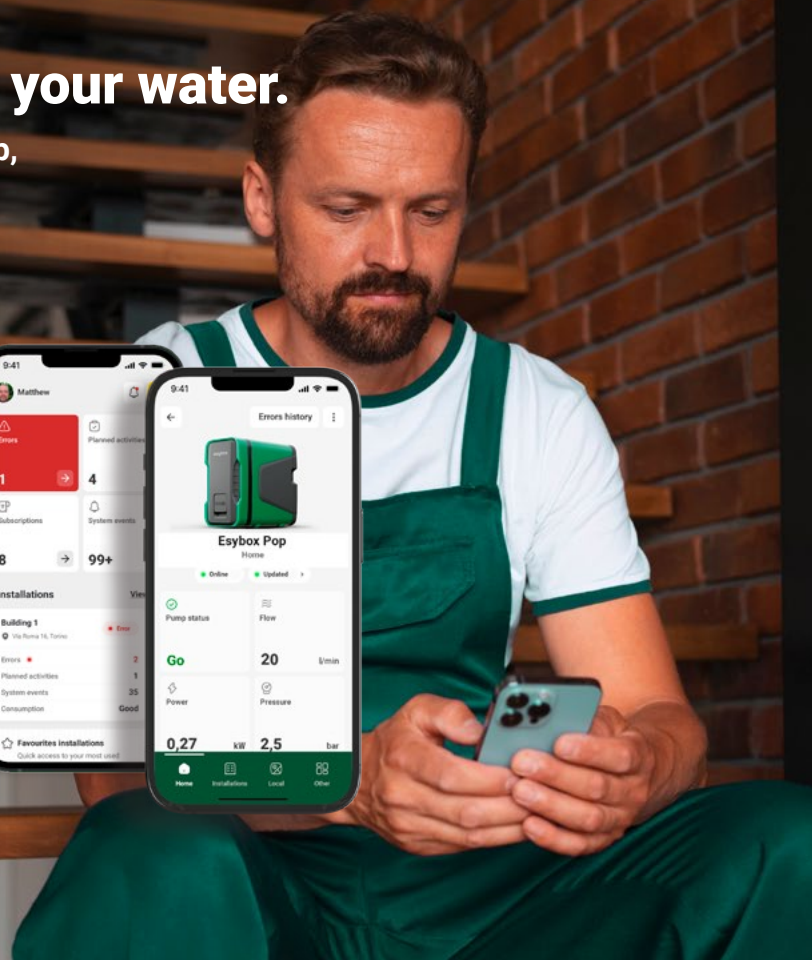
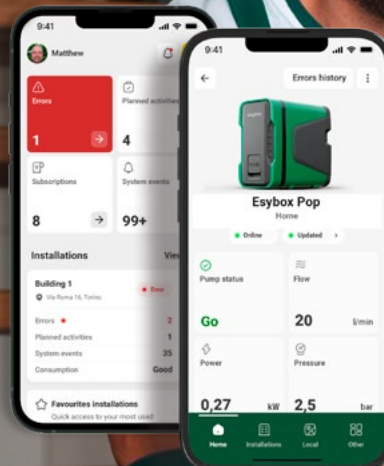
Certified for drinking water



take full control of your water.

H₂D Compatible with EsyBox Pop,
it's your ideal app.

- Save time and work more efficiently
- Plan interventions in advance
- Monitor faults remotely
- Deliver better service for happier customers



ESYBOX MINI³

ELECTRONIC PRESSURIZATION SYSTEM



Multi-impeller self-priming electronic system for pressurization, gardening and irrigation, rainwater reuse, in domestic and residential installations.

Compact, fully integrated and ready to use without the need for additional components, including the 1-litre expansion tank, power cable and plug. Once the desired pressure is set, the variable frequency drive keeps it constant regardless of the demand.

The carefully selected materials (ABS) and the water-cooled motor make it low noise (45 dB) and installable even in inhabited rooms, either vertically or horizontally depending on available space.

The large display allows easy and precise configuration of operating parameters.

Built-in Wi-Fi module. For professionals, the H₂D service allows remote monitoring via app or web portal. In addition, end users can monitor consumption levels and manage comfort functions. It is also possible to receive alarms via e-mail or app notifications.

Sets of up to two pumps can be created.

Operating range

flow rate up to 4.8 m³/h; head up to 55 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range

0°C to +40°C

Maximum ambient temperature +50°C.

Maximum suction depth 8 metres.

Maximum working pressure

7.5 bar (750 kPa).

Protection degree IPX4.

Insulation class F.

Installation

horizontal, vertical or wall-mounted position

esybox mini³



ONLINE
TRAINING



BUILT-IN
CONNECTIVITY

REMOTE MONITORING

Via web portal and
H₂D App



H2D
PAGE 11

ACCESSORIES
PAGE 121

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET				
		POWER SUPPLY 50 - 60 Hz	P1 MAX		In A	Q=m ³ /h	0.6	1.2	1.8	2.4	3	3.6	4.2					4.8	Q=l/min	10	20
ESYBOX MINI 3	60212597		1x220-240 V~	0.85		1.1	4.8	H (m)	55	55	49	39	31	23	14	4	1"	1"	14	18	
ESYBOX MINI 3 - KIWA	60212602	1x220-240 V~	0.85	1.1	4.8	H (m)	55	55	49	39	31	23	14	4	1"	1"	14	18			

APPLICATIONS



EsyBox Mini³

Flats up to 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS



SUITABLE FOR PUMPING WATER FROM:



PITS UP TO 8 METRES DEEP



RAINWATER COLLECTION
TANKS



CISTERNS



AQUEDUCT
where permitted by law

Work just got smarter... and for you home too!

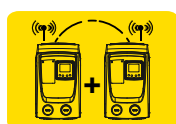
H₂D

OVERVIEW
H₂D shows you your real-time consumption along with device status.

SMART HOME, TALK TO ESYBOX!
You can even ask your voice assistant to activate comfort modes: it's that easy!

POWER SHOWER
Provides a "power shower" by increasing water pressure just for the time it takes to shower.

GOOD NIGHT
A useful feature for nighttime, or when taking a quick nap: it switches the already super quiet pump to whisper-quiet operation, further reducing energy usage.

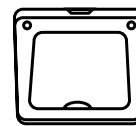


DOUBLES ITS VALUE!

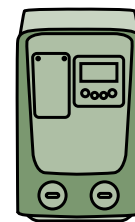
CREATING GROUPS THROUGH WIRELESS:
SERVICE CONTINUITY AND INCREASED PERFORMANCE



* Calculated with a price of 0.25 €/kWh, compared to a conventional autoclave (or booster set) under average conditions of use.



► HORIZONTAL



► VERTICAL

SOUND PRESSURE** 45 db(A)

44 x 27 x 24 cm

** Sound pressure measured at a distance of 1 metre in free field.

discover **esybox LINE**



ESYBOX

ELECTRONIC PRESSURIZATION SYSTEM



Autoclave system for efficient management of water pressurization in residential and commercial installations for gardening, irrigation or agriculture: it is compact, fully integrated and needs no additional components. Thanks to the variable frequency drive it keeps the water pressure constant regardless of demand and can be used in detached houses and small apartment buildings up to 6 floors and a maximum of 9 flats. With the EsyTwin quick connection station, sets of up to 4 pumps can be easily created. For the same performance, consumption is reduced and the footprint is minimal compared to an equivalent conventional system. The Esytank modular tank (500 or 300 litres), supplied with Esydock, is quickly assembled with Esy-Box. Built-in Wi-Fi module. Control and monitoring is possible with H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications. The carefully selected materials and the water-cooled motor make the pump particularly quiet (43 dB) and installable even in inhabited rooms. Can be positioned vertically, horizontally or wall-mounted with appropriate accessories (supplied separately). Built-in 2-litre expansion tank.

Operating range

flow rate up to 7.2 m³/h; head up to 65 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range 40 °C

Maximum ambient temperature +50 °C.

Maximum suction depth

self-priming up to 8 metres.

Maximum working pressure 8 bar (800 kPa).

Protection degree IPX4.

Insulation class F.

Installation horizontal, vertical or wall-mounted position.

esybox



ONLINE TRAINING



BUILT-IN CONNECTIVITY

REMOTE MONITORING
Via web portal and H₂D App



+11% Energy Saving

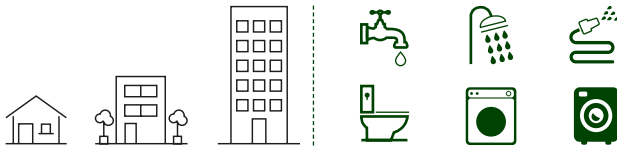


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ACCESSORIES PAGE 121

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA																DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET							
		POWER SUPPLY 50 - 60 Hz	P1 MAX		I MAX A	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2	Q=l/min					0	10	20	30	40	50	60
ESYBOX	60212309		1x220-240 V ~	1.4		1.9	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						

APPLICATIONS



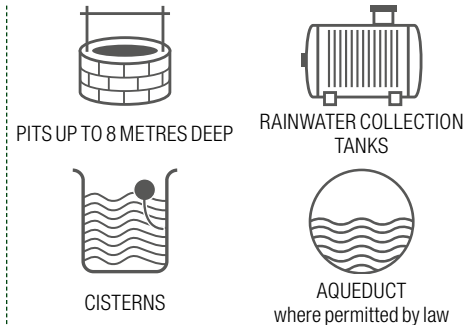
EsyBox

Up to 7 apartments with one bathroom across 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS

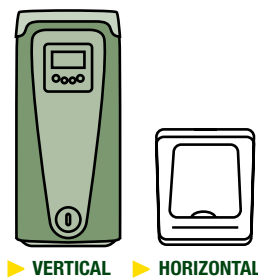


SUITABLE FOR PUMPING WATER FROM:



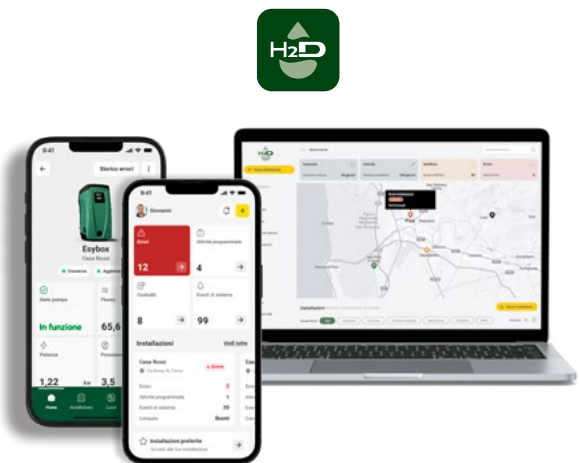
57 x 27 x 35 cm

SOUND PRESSURE** 43 db(A)



* Calculated with a price of 0.25 €/kWh, compared to a conventional autoclave (or booster set) under average conditions of use.

**Sound pressure measured at a distance of 1 metre in free field.



ESYBOX DIVER

7" ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS WITH BUILT-IN VARIABLE FREQUENCY DRIVE



Electronic multi-impeller submersible 7 inch variable frequency drive-controlled pump for clean water, designed for use in pits, cisterns or tanks. Can be used submerged, partially submerged or on the surface (with the appropriate accessory supplied separately). Suitable for pressurization, rainwater reuse, gardening and irrigation in domestic and residential installations.

Built-in variable frequency drive-controlled electronics for operation according to demand, a non-return valve and a stainless steel carry handle. Electronic operation also protects against running dry and the variable frequency drive saves energy. The innovative design means that the hydraulics, motor, electronics and filter can be dismantled separately, making maintenance much easier. The suction height is adjustable from the bottom to 8 cm. A float and a level sensor can be connected without compromising the watertightness of the pump thanks to the NFC (Near Field Communication) pocket. Built-in 0.04-litre expansion tank with no need for maintenance or refilling. 15-metre power cable with plug. Includes the DConnect Box 2. Control and monitoring is possible with the H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications.

Also available in X version with 1" inlet and X kit including 1 metre suction hose and float to prevent suction of impurities from the bottom. The entire pump is rated IP68. With the DOC68 accessory (supplied separately), it becomes an IP68 surface pump to be used under head.

Operating range

flow rate up to 7.2 m³/h; head up to 55 m.

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range
+0 °C to +50 °C.

Maximum immersion depth
12 m standard version.

Maximum suction depth 15 m.

Pump protection degree IP68.

Thermal classification of motor insulation
F.

Free passage 2 mm.

Set cut-in 2.4 bar (+/- 0.2).

Delivery flanging or threading
Threaded 1 1/4".

Power cable 15 m with plug.

Maximum pump diameter 185 mm.

Type of installation possible fixed, horizontal or vertical. Submerged or semi-submerged. Surface, under head installation in vertical position is possible with external accessory DOC68 (supplied separately).

esybox DIVER



ONLINE
TRAINING



BUILT-IN
CONNECTIVITY

REMOTE MONITORING

Via web portal and
H₂D App

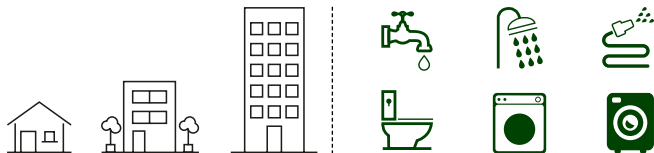


H2D
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ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	5.4	6	6.6	7.2		
ESYBOX DIVER	60188296	1x220-240V~	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

Up to 7 apartments with one bathroom across 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS



SUITABLE FOR PUMPING WATER FROM:



CISTERNS



RAINWATER COLLECTION
TANKS



PITS

X VERSION

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



ø 18.5 x 65 cm



* Calculated with a price of 0.25 €/kWh, compared to a conventional autoclave (or booster set) under average conditions of use.

discover esybox LINE



2 ESYBOX MINI WITH ESYTWIN MINI

ELECTRONIC BOOSTER SET



2 EsyBox Mini with EsyTwin Mini is the electronic booster set for domestic and residential installations. Compact and fully integrated, it requires no additional components for installation: it consists of two self-priming multistage pumps with variable frequency drive-controlled electronics, pressure and flow sensors, a high-resolution LCD and one built-in 1-litre expansion tank per pump. Once the desired pressure is set, the variable frequency drive keeps it constant regardless of the demand. The carefully selected materials (ABS), water-cooled motor and anti-vibration feet make it a low noise product (45 dB). Connectivity is built-in and the wireless module facilitates the creation of 2-pump booster sets. Control and monitoring is possible with the H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications. The kit consists of 2 EsyBox Mini 3 and 1 EsyTwin Mini. Components are supplied unassembled.

Operating range

Flow rate up to 8.8 m³/h; head up to 55 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum liquid temperature 40 °C.

Maximum ambient temperature +50°C.

Maximum suction depth

self-priming up to 8 metres.

Maximum working pressure 7.5 bar (750 kPa).

Protection degree IPX4.

Insulation class F.



ONLINE
TRAINING

BUILT-IN
CONNECTIVITY

REMOTE MONITORING

Via web portal and
H₂D App

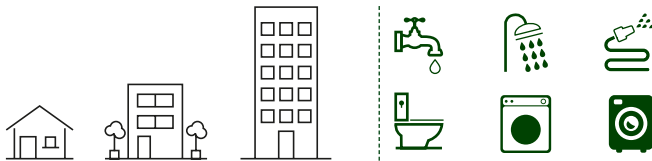


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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG
		POWER SUPPLY 50 - 60 Hz	P1 MAX		IMAX 2 x A	Q=m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4				
			2 x kW	2 x HP		Q=l/min	0	20	40	60	80	100	120	140				
2 ESYBOX MINI WITH ESYTWIN MINI	60218781	1x220-240 V~	0.85	1.1	4.8	H(m)	55	55	54	45	34	26	16	6	1" 1/4	1" 1/4	37	

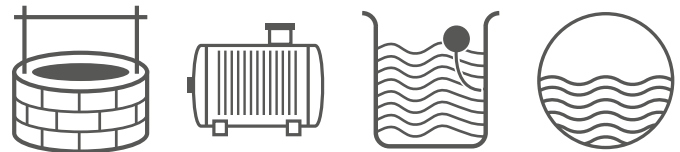
APPLICATIONS



2 Esybox Mini with Esytwin Mini

Up to 7 apartments with one bathroom across 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.

SUITABLE FOR PUMPING WATER FROM:



PITS UP TO 8
METRES DEEP

RAINWATER
COLLECTION
TANKS

CISTERNS

AQUEDUCT
where permitted by
law

SINGLE ESYBOX
FOOTPRINT
44 x 27 x 24 cm

SOUND
PRESSURE** 45
db(A)



KIT FOOTPRINT
75 x 61 x 27 cm



** Sound pressure measured at a distance of 1 metre in free field.

*** Supplied unassembled.

discover **esybox LINE**



2 ESYBOX WITH ESYTWIN

ELECTRONIC BOOSTER SET



2 EsyBox with EsyTwin is the electronic unit for water pressurization in domestic and residential installations. Compact and fully integrated, it requires no additional components for installation: it consists of two self-priming multistage pumps with variable frequency drive-controlled electronics, pressure and flow sensors, a high-resolution LCD and one built-in 2-litre expansion tank per pump. Once the desired pressure is set, the variable frequency drive keeps it constant regardless of the demand. The carefully selected materials (ABS), water-cooled motor and anti-vibration feet make it a low noise product (43 dB). Connectivity is built-in and the wireless module facilitates the creation of up to 4-pump booster sets. Control and monitoring is possible with the H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications.

The kit consists of 2 EsyBox and 1 EsyTwin. Components are supplied unassembled.

Operating range

Flow rate up to 14.4 m³/h; head up to 65 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and 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).

Protection degree IPX4.

Insulation class F.



ONLINE
TRAINING



BUILT-IN
CONNECTIVITY

REMOTE MONITORING

Via web portal and
H₂D App

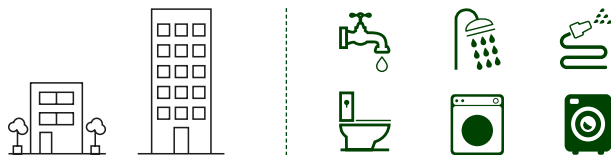


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ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA GAS	DNM GAS	WEIGHT KG
		POWER SUPPLY 50-60 Hz	P1 MAX		I MAX 2 x A	Q=m ³ /h	0	1.2	2.4	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2	14.4			
			2 x kW	2 x HP																		
KIT 2 ESYBOX + ESYTWIN ***	60218693	1x220-240 V~	1.4	1.9	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



2 Esybox with EsyTwin

Up to 30 apartments with one bathroom across 3 floors.
Indicative data. Refer to the technical catalogue or DNA for correct sizing.

CERTIFICATIONS



SUITABLE FOR PUMPING WATER FROM:



PITS UP TO 8 METRES DEEP



RAINWATER COLLECTION
TANKS



CISTERNS



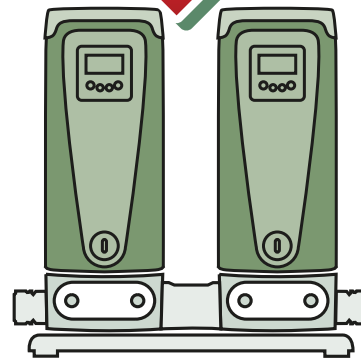
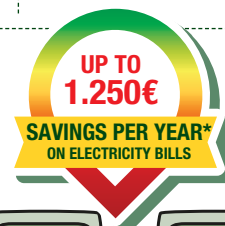
AQUEDUCT
where permitted by law

SINGLE ESYBOX
FOOTPRINT
68 x 29 x 35 cm

SOUND
PRESSURE**
43 db(A)



KIT FOOTPRINT
23 x 75 x 35 cm



discover **esybox LINE**



* Calculated with a price of 0.25 €/kWh, compared to a conventional autoclave (or booster set) under average conditions of use.

** Sound pressure measured at a distance of 1 metre in free field.

*** Supplied unassembled.

2 ESYBOX WITH ESYTWIN

ELECTRONIC BOOSTER SET



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE


GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

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

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	

Kit 2 ESYBOX with ESYTWIN
60218693




COMPACT DIMENSION



HIGH EFFICIENCY


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



REMOTE MONITORING
via web portal
and H₂D app



ESYBOXLINE.COM



ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM



Integrated pumping system for civil and commercial pressurization. Available in three power sizes, the system consists of **modular elements** that allow different configurations: single, double, triple or quadruple (using an accessory kit for connecting two double bases), so as to cover the needs of medium/large apartment blocks and tall 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, delivery non-return valve and expansion tank, **fully integrated**.

The innovative support base of the pumping unit and wireless communication between the pumps allow **the unit to be built directly at the installation site (O.S.A. concept)** even by just one person. The variable frequency drive keeps the pressure constant by varying the motor speed according to demand, and thanks to the water-cooled permanent magnet motor, it enables greater efficiency and energy savings.

The large display allows easy configuration of operating parameters with the possibility of viewing them on a smartphone: control and monitoring is possible with the H₂D app and web portal for display and management of parameters, settings and comfort functions. It is also possible to receive alarms via e-mail or app notifications. The expansion module (esy I/O, available as an accessory) means Esybox max can interface with BMS.

Operating range

up to 17.4 m³/h (single pump); head up to 96 m.

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature +50°C.

Maximum ambient 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)

Pressure regulation range
1-12 bar (factory setting 3 bar).

Maximum suction height
4m (with foot valve).

Motor protection degree IPX5.

Insulation class F.

Impeller construction material

technopolymer with stainless steel shim rings

Single-phase power supply 208-240V
50/60 Hz.

Three-phase power supply 380-480V
50/60 Hz.

Type of installation possible fixed, vertical.

Certifications WRAS, NSF61, ACS

esybox max



ONLINE TRAINING



BUILT-IN CONNECTIVITY



REMOTE MONITORING
Via web portal and H₂D App



IE5*



OSA
ON SITE ASSEMBLY

H2D
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* Internal laboratory tests show that the electric motor has efficiency comparable to efficiency class IE5.

MODEL (pump unit only)	CODE	ELECTRICAL DATA				DNA GAS	DNM GAS	DELTA P MAX		SET POINT	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 - 60 Hz	P1 MAX		In A			Hmax m.w.c.	bar			
			kW	HP								
ESYBOX MAX 45/120 M	60217358	1x208-240V ~	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	3x380-480V ~	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	1x208-240V ~	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	3x380-480V ~	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	3x380-480V ~	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	QTY PER PALLET
ESYDOCK MAX	60195200	9	12
2ESYDOCK MAX	60198332	18	6
3ESYDOCK MAX	60198333	27	3



ESYDOCK



2ESYDOCK



3ESYDOCK

APPLICATIONS



45/120 model

Up to 20 apartments with one bathroom across 4 floors

60/120 model

Up to 35 apartments with one bathroom across 4 floors

85/120 model

Up to 45 apartments with one bathroom across 4 floors

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

CERTIFICATIONS



CISTERNS



AQUEDUCT
where permitted by law

**SUITABLE FOR PUMPING WATER FROM:
NO SELF-PRIMING**



* Calculated with a price of 0.25 €/kWh and referring to EsyBox Max 85/120, compared to a conventional autoclave (or booster set) under average conditions of use.

discover **esybox line**



ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM

**SELECTION TABLE**

MODEL	Q=m ³ /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 (m)	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 85/120 T		96	96	96	96	96	84	75	71	65	56.7	51.6	29	9

MODEL	Q=m ³ /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	H (m)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
2 ESYBOX MAX 60/120		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	56.7	51.6	29	9

MODEL	Q=m ³ /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	H (m)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
3 ESYBOX MAX 60/120		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	56.7	51.6	29	9

MODEL	Q=m ³ /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	H (m)	58	58	58	58	52	45	38.5	35.5	32.3	26	23	7	-
4 ESYBOX MAX 60/120		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	56.7	51.6	29	9

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ESYBOX MAX

ELECTRONIC PRESSURIZATION 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



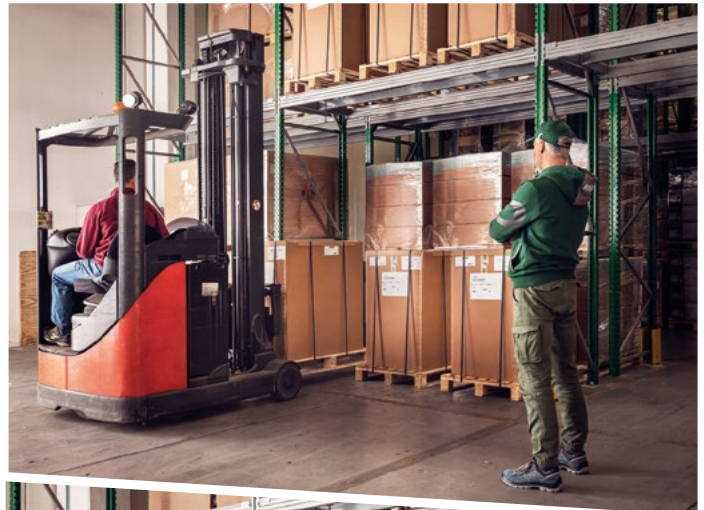
What about logistics

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 2 ESYDOCK 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 H₂D app completes your installation project.



ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM



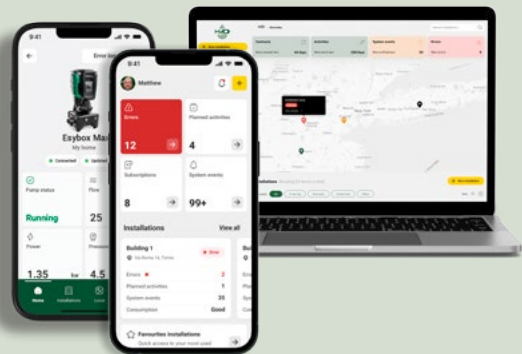
Easy to move & install

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.



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. H₂D makes monitoring DAB products easy and intuitive with email and App notifications in case of alarms.



ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS










DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

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 PRESSURIZATION 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	
2KVC A.D. 60/120 T	
2KVC A.D. 70/120 T	
2KVC A.D. 85/120 T	

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	
2NKV 10/9 S T	
2NKV 10/10 S 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	



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	
2NKV 10/9 T S EBOX 400/50	
2NKV 10/10 T S EBOX 400/50	



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	
2NKVE 10/9 S T MCE 400-50	2 ESYBOX MAX 85/120 T
2NKVE 10/10 S T MCE 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	
2KVC 60/120 T 400/50	
2KVC 70/120 T 400/50	
2KVC 85/120 T 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	
2NKVE 10/10 S T MCE 400-50	2 ESYBOX MAX 85/120 T

ACCESSORIES

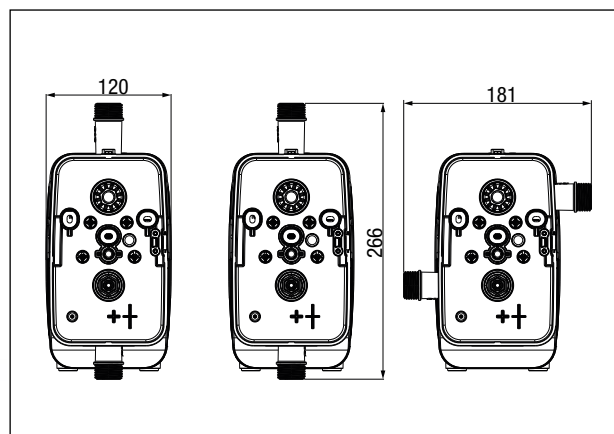
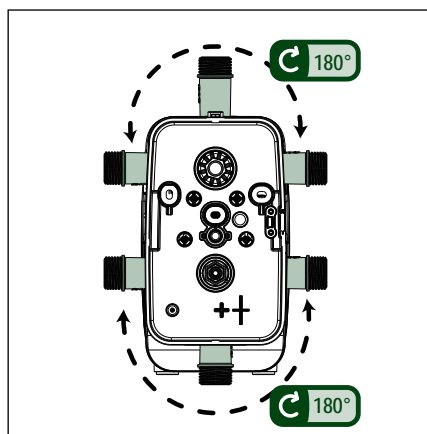
ESYBOX LINE

ESYBOX POP ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM


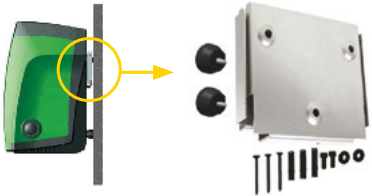

	DESCRIPTION	CODE
	<p>NEW</p> <h2>ESYWALL POP</h2> <p>Complete wall-mounting kit including bracket, screws, and wall plugs.</p>	60217717
<p>26,6 x 12 x 14 cm</p> 	<p>NEW</p> <h2>ESYDOCK POP</h2> <p>With 4 hydraulic configuration options, it offers even faster, easier and more flexible installation. Comes complete with all the necessary interfaces for connection to the system. Includes wall-mounting kit and bypass connection.</p>	60217710

POSSIBILITY OF INSTALLATION WITH ESYDOCK POP



ESYBOX MINI³ ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

	DESCRIPTION	CODE
	3-PIECE INLET Kit consisting of 2 3-piece inlets to facilitate the connection to the system.	SP00000630
	ESYWALL Complete kit with brackets, screws, dowels and two vibration-absorbing accessories.	60161442
	ESYTWIN MINI Quick connection base for 2 pumps with 4 different hydraulic combinations.	60216881



KIT OUTDOOR	DESCRIPTION	CODE
	ESYCOVER + ESYGRID KIT OUTDOOR ESYBOX MINI³ Consisting of Esycover + Esygrid mini, which allows the EsyBox Mini ³ to be installed outdoors, protecting it from rain and ingress of foreign bodies. Vertical installation only.	60203672



ESYGRID

STOP GRILLES

Suitable for vertical and horizontal installations.

ESYBOX MINI³ ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

	DESCRIPTION	CODE
 <p>* EsyBox Mini³ not included with Esytank 500 Mini</p> <p>166 x 87 x 60 cm</p>	<h2>ESYTANK 500 MINI</h2> <p>Specially designed cistern for optimal integration with EsyBox Mini 3 and equipped with</p> <ul style="list-style-type: none"> - Esydock (dedicated version) for quick connection - suction pipe with foot valve - water mains filling valve with float - overflow - flow connection - provision for ground anchoring - inspection cap <p>500 L capacity with possibility of expansion on 3 sides.</p>	60219002
	<h3>OPTIONAL CISTERNS FOR ESYTANK</h3> <p>The Esytank OPTIONAL CISTERN is supplied without fittings and with provision for the quick connection of the Esybox. The cistern easily couples with other Esytank cisterns making the system expandable to the required capacity. Can be connected on three sides (side and rear) via the Esytank CISTERN COUPLING KIT.</p>	60166063
 <p>FOR ESYTANK 500 MINI</p>	<h3>ESYTANK COUPLING KIT</h3> <p>The Esytank cistern coupling kit consists of a PVC sleeve with seal (D.160 mm L=150), two PVC alignment pipes (D.50mm x L=60) and connection ring for 2-pump option. It makes it possible to connect several Esytanks or connect Esytank to Esytank auxiliary cisterns.</p>	60166008
 <p>FOR ESYTANK 500 MINI</p>	<h3>ESYTANK OPTIONAL DELIVERY KIT</h3> <p>Consisting of 1" PP pipe. Enables an optional delivery for single-cistern systems or, in combination with the COUPLING KIT, allows several Esytank and Esybox systems to be connected together and multi-pump pressure sets with several cisterns to be created.</p>	60162079
 <p>* EsyBox Mini³ not included with Esytank 300 Mini</p> <p>115 x 81 x 57 cm</p>	<h2>ESYTANK 300 MINI</h2> <p>Specially designed cistern for optimal integration with Esybox Mini 3.</p> <ul style="list-style-type: none"> - Esydock (dedicated version) for quick connection - suction pipe with foot valve - water mains filling valve with float - overflow - flow connection - provision for ground anchoring - inspection cap. <p>Capacity 300 L.</p>	60217732

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

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END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ESYBOX ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

	DESCRIPTION	CODE
	<p>3-PIECE INLET Kit consisting of 2 3-piece inlets to facilitate the connection to the system.</p>	SP00000630
	<p>ESY WALL Complete kit with brackets, screws, dowels and two vibration-absorbing accessories.</p>	60161442
	<p>ESY DOCK With 4 hydraulic configuration options, it offers even faster, easier and more flexible installation. Comes complete with all the necessary interfaces for connection to the system. Anti-vibration feet to ensure the same low noise as Eskybox.</p>	60147247
	<p>ESY TWIN A level up from Eskydock, with all the same benefits, for the creation of two-pump sets. Offers outstanding performance through combined operation, with a 50% smaller footprint than any equivalent conventional system.</p>	60160491
	<p>ESY TWIN DOUBLE UNION KIT Kit of 2" T-piece suction and delivery manifold fittings to connect 2 Eskytwin and create boosters for up to 4 Eskyboxes. Suction and delivery manifold each consisting of: 2 1 1/4" Nipples 2 Reducers 1 1/4" Female - 2" Male 3 2" 3-piece fittings 1 2" Female T-connector</p>	60184281



DELIVERY AND SUCTION FITTINGS 1 1/4"


68 x 29 x 35 cm



**KIT FOOTPRINT
73 x 75 x 35 cm**

ESYBOX ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

KIT OUTDOOR	DESCRIPTION	CODE
	<p style="text-align: center;">ESYCOVER + ESYGRID</p> <p>KIT OUTDOOR ESYBOX Consisting of Esyscover + Esysgrid, which allows the Esysbox to be installed outdoors, protecting it from rain and ingress of foreign bodies.</p> <p>Vertical installation only.</p>	60203669



ESYGRID

STOP GRILLES

Suitable for vertical and horizontal installations.

ESYCOVER

OUTDOOR INSTALLATION



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

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BOOSTER
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VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING


ESYBOX ACCESSORIES




ELECTRONIC PRESSURIZATION SYSTEM

	DESCRIPTION	CODE
 <p>* ESYBOX not included</p> <p>166 x 87 x 60 cm</p>	<h3>ESYTANK</h3> <p>Specially designed cistern for optimal integration with ESYBOX and equipped with:</p> <ul style="list-style-type: none"> - ESYDOCK (specially versioned) for quick connection. - suction pipe with foot valve - water mains filling valve with float - overflow - flow connection - provision for ground anchoring - inspection cap <p>500 L capacity with possibility of expansion on 3 sides.</p>	60161819
	<h3>OPTIONAL CISTERNS FOR ESYTANK</h3> <p>The ESYTANK OPTIONAL CISTERN is supplied without fittings and with provision for the quick connection of the ESYBOX. The cistern easily couples with other ESYTANK cisterns making the system expandable to the required capacity. Can be connected on three sides (side and rear) via the ESYTANK CISTERN COUPLING KIT.</p>	60166063
 <p>FOR ESYTANK</p>	<h3>ESYTANK COUPLING KIT</h3> <p>The ESYTANK cistern coupling kit consists of a PVC sleeve with seal (D.160 mm L=150), two PVC alignment pipes (D.50mm x L=60) and connection ring for 2-pump option. It makes it possible to connect several ESYTANKS or connect ESYTANK to ESYTANK auxiliary cisterns.</p>	60166008
 <p>FOR ESYTANK</p>	<h3>ESYTANK OPTIONAL DELIVERY KIT</h3> <p>Consisting of 1" PP pipe. Enables an optional delivery for single-cistern systems or, in combination with the COUPLING KIT, allows several ESYTANK and ESYBOX systems to be connected together and multi-pump pressure sets with several cisterns to be created.</p>	60162079
 <p>* ESYBOX non includes with ESYTANK 300</p> <p>115 x 81 x 57 cm</p>	<h3>ESYTANK 300</h3> <p>Specially designed cistern for optimal integration with ESYBOX and equipped with:</p> <ul style="list-style-type: none"> - ESYDOCK (specially versioned) for quick connection. - suction pipe with foot valve - water mains filling valve with float - overflow - flow connection - provision for ground anchoring - inspection cap <p>Capacity 300 L.</p>	60217731
	<p>NEW</p> <h3>ESY I/O - V2</h3> <p>Electronic expansion module for external connection via analog, digital, or Modbus protocol.</p>	60219806

ESYBOX DIVER ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

		GROUPING: E7
	DESCRIPTION	CODE
	<p>NFC LEVEL SENSOR</p> <p>Connected to the DConnect Box 2, it monitors the water level in the tank and communicates it to the user via the app.</p>	60184570

		GROUPING: AA
	DESCRIPTION	CODE
	<p>NFC FLOAT</p> <p>Detects the water level in the tank, preventing the tank from being emptied and the pump from running dry due to too low a water level.</p>	60184577
	<p>SUCTION KIT FOR X VERSION</p> <p>Combined with the X version, it allows water to be drawn up to a level that prevents the pumping of dust and sludge from the bottom of pits and tanks.</p>	60195974
	<p>DOC68</p> <p>With DOC68, DTron can also be installed outdoors as an IP68-certified surface pump.</p>	60192274

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE





GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

ESYBOX MAX ACCESSORIES

ELECTRONIC PRESSURIZATION SYSTEM

	DESCRIPTION	ESYBOX MAX	2 ESYBOX MAX	3 ESYBOX MAX	4 ESYBOX MAX	CODE
	<p>ESy I/O</p> <p>The electronic expansion module that allows Esybox Max to interface with external input/output devices (e.g. float, pressure switch, remote alarm) and with BMS (Building Management System).</p>	•	•	•	•	60200914
	<p>ELECTRICAL CONTROL PANELS</p> <p>Electrical connection panels for 2 or 3 pumps complete with thermomagnetic circuit breakers for supplying multi-pump sets. Can be installed on the wall or directly on Esybox Max units using the dedicated support</p>	ELECTRICAL PROTECTION PANEL 2G5,2 M 230V	• 1 x 230 V		• 2 x 1 x 230 V	60201595
		ELECTRICAL PROTECTION PANEL E2G7 T 400V	• 3 x 400 V		• 2 x 3 x 400 V	60201596
		ELECTRICAL PROTECTION PANEL E3G7.8 M 230V		• 1 x 230 V		60206676
		ELECTRICAL PROTECTION PANEL E3G10.5 T 400V		• 3 x 400 V		60201597
	<p>COLUMN KIT</p> <p>Column for mounting the electrical control panel directly on the frame of the multi-pump system.</p>		•	•	• 2 x	60201600
	<p>2 X 2 ESYBOX MAX JOINT KIT</p> <p>Kit consisting of 2 3-piece inlets and 2 2" nipples to connect the delivery and suction of a pair of 2 Esydock max for the creation of 4-unit Esybox sets.</p>				•	60202520

NOTES

Grid area for notes.

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

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CONTENTS - CONTROL UNITS

VARIABLE SPEED CONTROL UNIT



NGDRIVE

VARIABLE SPEED CONTROL UNIT
(CIRCULATION AND PRESSURIZATION)

ED

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ADAC

VARIABLE SPEED CONTROL UNIT
WALL MOUNTING
(PRESSURIZATION)

EA

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MCE-C

VARIABLE SPEED CONTROL UNIT
DIRECT ASSEMBLY ON ELECTRIC MOTOR
(CIRCULATION)

ED

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ACTIVE DRIVER PLUS

VARIABLE SPEED CONTROL UNIT
MOUNTING ON PUMP DELIVERY
(PRESSURIZATION)

AS

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MCE-P

VARIABLE SPEED CONTROL UNIT
DIRECT ASSEMBLY ON ELECTRIC MOTOR
(PRESSURIZATION)

ED

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ELECTRICAL CONTROL PANELS



NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANELS
(DRAINAGE)

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EBOX

ELECTRONIC PROTECTION AND CONTROL PANELS
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AT

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ON-OFF CONTROL DEVICES



QUICK PRESS

ON-OFF CONTROLLER FOR ELECTRIC PUMPS

AR

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CONTROL-D

ON-OFF CONTROLLER
FOR ELECTRIC PUMPS

AR

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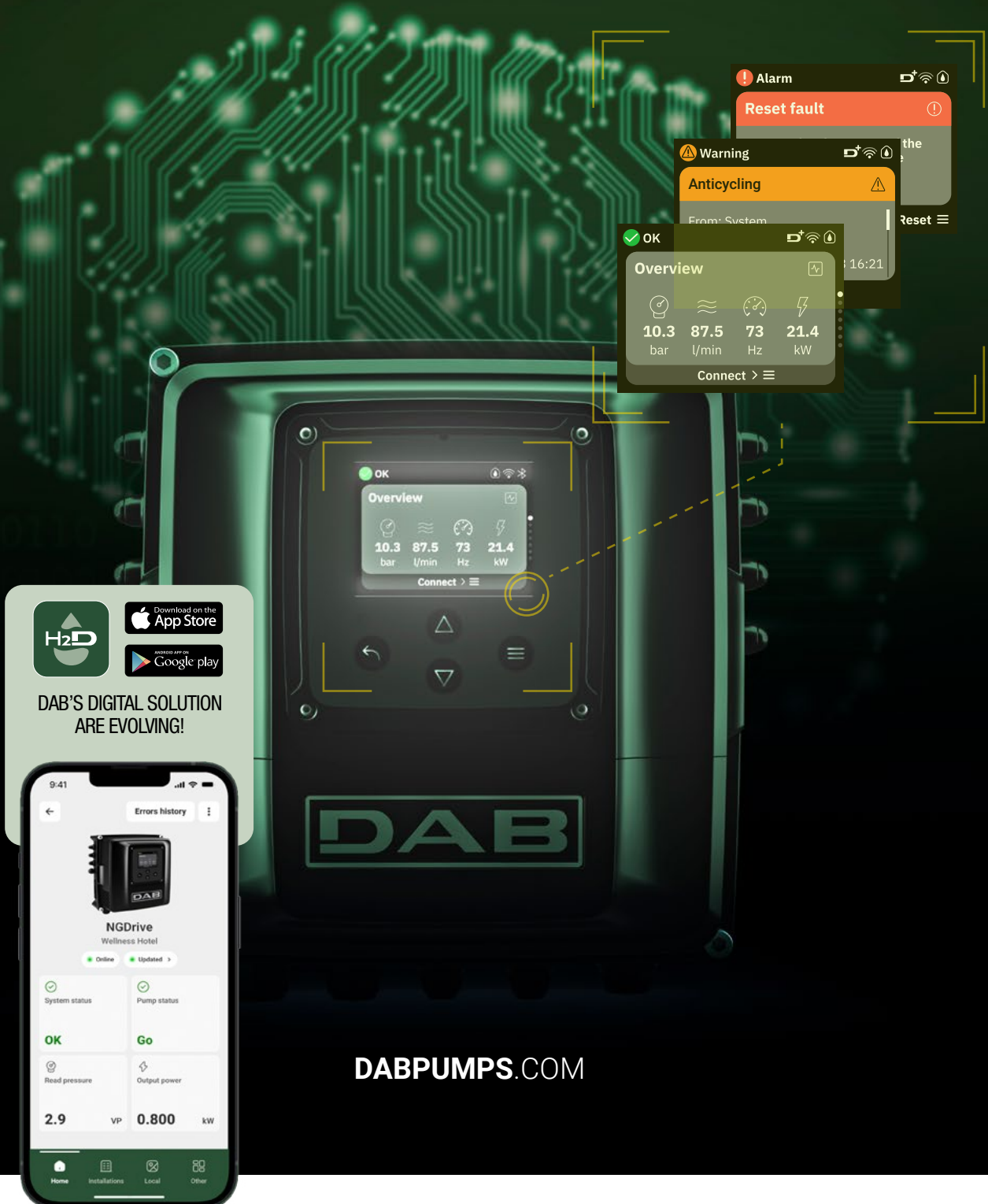


ACCESSORIES

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ngdrive

THE NEXT GENERATION VARIABLE FREQUENCY DRIVE CONTROL AND SAVINGS FOR PRESSURE BOOSTING AND CIRCULATION



DABPUMPS.COM

DAB
MAKING WATER EASY

NGDRIVE

VARIABLE SPEED CONTROL UNIT



Control unit with colour display. Different applications can be managed with a single software. The same control unit can manage pressurization systems or circulation systems, the type can be selected in the initial menu (wizard). NgDrive is installed directly on the wall without the use of additional accessories, thanks to the wall mounting plate provided. NgDrive can control in-line pumps in heating or air-conditioning systems, pumps for domestic hot water circulation, and pumps for pressurization in residential and commercial installations. The control unit 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 a built-in fan provides protection against overheating. The revolutions of the pump motor are matched to demand, saving energy and reducing component wear. The graphical display allows easy reading of operations and a wizard start-up menu facilitates system start-up. Adaptable to existing systems, it is also used in systems with submersible pumps for pressurizing water. Built-in Wi-Fi module. Control and monitoring is possible with the H₂D App and web portal platform for display and management of parameters, settings and other functions.

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

6 A (M/T 1.1kW) 10.5 A (M/T 2.2 kW) 8 A (T/T 3.5 kW) 10.5 A (T/T 230V 2.2 kW)

Protection degree

IP 55

Ambient operating temperature

0°C + 50°C

Communication protocols

RS485 MODBUS RTU

Built-in connectivity

WIFI - BLUETOOTH

Communication between drives (up to 6) is wireless

ngdrive



REMOTE MONITORING
Via web portal and
H₂D App



H2D
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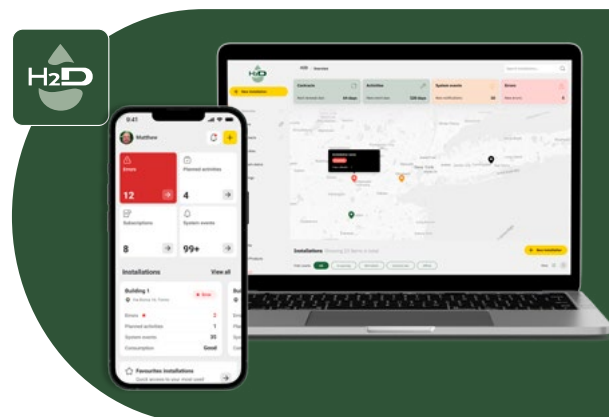
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MODEL	CODE	MAX. RATED CURRENT TO MOTOR A	INPUT VOLTAGE VAC	OUTPUT VOLTAGE VAC
NGDRIVE 6A M/T 220-240V 50/60 1.1KW	60211460	6	1 x 220-240 +/- 10%	3 x 230
NGDRIVE 10.5A M/T 220-240V 50/60 2.2KW	60211457	10.5	1 x 220-240 +/- 10%	3 x 230
NGDRIVE 10.5A T/T 220-240V 50/60 2.2KW	60211458	10.5	3 x 220-240 +/- 10%	3 x 230
NGDRIVE 8A T/T 380-400V 50/60 3.5 KW	60211459	8	3 x 400 +/- 10%	3 x 400

DAB SMART SYSTEM

NgDrive used in conjunction with DAB Virtual Cockpit and H₂D, 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.



H₂D allows you to access the integrated experience of DAB smart systems, giving you the ability to connect your devices and use many of the main digital functionalities for free.



MCE-C

VARIABLE SPEED CONTROL UNIT



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



MCE-C are variable frequency drives for managing circulation pumps and are characterised by their ease of use, power, simple installation and operation.

MCE-C are variable frequency drives designed to manage circulation pumps, allowing simple differential pressure adjustment and enabling the performance of the circulation pump to be adapted to the actual demands of the system. They are mounted on the bottom of the motor. This makes pump installation with MCE-C particularly quick and easy.

Easy programming is ensured by the use of a user-friendly graphical interface.

MCE-C variable frequency drives have a dual microprocessor architecture that guarantees maximum efficiency and reliability.

MCE-C variable frequency drives protect the pump and have built-in protections to extend the pump's service life as they eliminate water hammer and make the pump run at the minimum speed capable of meeting the user's requirements.

Finally, they create energy savings by making the pump consume only the power strictly necessary to meet the user's demands.

They are sold with the kit needed to mount them on the pump except the pressure differential sensor.

Equipped with communication for the creation of twin sets.

If the P-v proportional differential pressure control mode is required, please specify the electric pump model on which the variable frequency drive will be installed.

To create twin sets, the connection cable must be ordered separately.

Boost function: used to run the pumps simultaneously or alternately every 24 h.

Control at constant T°C*

Control at constant T*

* The temperature sensor is not included.

Quick pump start-up function to ensure immediate flow and avoid boiler blockage during start-up.

Communication protocols:

- RS485 MODBUS RTU
- DConnect



ONLINE
TRAINING



ACCESSORIES
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MODEL	CODE	MAXIMUM MECHANICAL PUMP (P2) POWER kW	MAX. RATED CURRENT MOTOR A	MIN. RATED CURRENT MOTOR A	POWER SUPPLY 50 Hz	ELECTRIC PUMP POWER SUPPLY	DIM. MOTOR (MEC)	WEIGHT kg
MCE/C 30	60144660	3	7.5	2.0	Three-phase 3x400	Three-phase 3x400	100	7.6
MCE/C 55	60144662	5.5	13.5	2.0	Three-phase 3x400	Three-phase 3x400	112 132	7.6
MCE/C 110	60144664	11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160	12
MCE/C 150	60144665	15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160	12

MCE-P

VARIABLE SPEED CONTROL UNIT



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



MCE-P are variable frequency drives for managing pressurization pumps in complex professional applications. MCE-Ps can control three-phase pumps up to 15kW.

Combine simplicity with the robustness and power of the variable frequency drive. Mounted on the pump, these devices must be equipped with pressure sensors and **optionally with flow sensors**.

The latter provides better pressure regulation.

Booster sets can also be assembled with these models.

The **MCE-P** range combines comfort and savings, integrates all protections, and is easy to install and configure.

MCE-P are air-cooled.

MCE-P provide maximum comfort and increase the system's average service life, while also allowing high energy savings of up to 60%.

Easily mounted in existing systems and can work with all pumps except submersible ones. In addition, with MCE-P it is possible to create sets with up to 8 pumps interchanging.



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TRAINING



ACCESSORIES
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MODEL	CODE	MAXIMUM MECHANICAL PUMP (P2) POWER KW	MAX. RATED CURRENT MOTOR A	MIN. RATED CURRENT MOTOR A	POWER SUPPLY 50 Hz	ELECTRIC PUMP POWER SUPPLY	DIM. MOTOR (MEC)	WEIGHT kg
MCE/P 30	60145922	3	7.5	2.0	Three-phase 3x400	Three-phase 3x400	100	7.6
MCE/P 55	60145923	5.5	13.5	2.0	Three-phase 3x400	Three-phase 3x400	112 132	7.6
MCE/P 110	60145924	11.0	24	2.0	Three-phase 3x400	Three-phase 3x400	132 160	12
MCE/P 150	60145925	15.0	32	2.0	Three-phase 3x400	Three-phase 3x400	160	12

ADAC

VARIABLE SPEED CONTROL UNIT



ADAC

ADAC are variable frequency drives designed for **HEAVY DUTY PROFESSIONAL APPLICATIONS.**

Can control three-phase pumps up to 15 kW.

Combine the simplicity of the **ADAC** series with the robustness and power of the variable frequency drive.

Mounted in the panel, these devices must be equipped with pressure sensors and optionally with a flow sensor.

The latter provides better pressure regulation.

Booster sets can also be assembled with these models.

The **ADAC** range combines comfort and savings, integrates all protections, and is easy to install and configure.

ADAC are air-cooled. Extremely robust panel-mounted variable frequency drives, with a metal body and suitable for heavy-duty use.

Ensure maximum comfort and increase the system's average service life.



ONLINE
TRAINING



ACCESSORIES
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MODEL	CODE	Maximum Mechanical Pump (P2) Power kW	MAX. RATED CURRENT MOTOR A	MIN. RATED CURRENT MOTOR A	POWER SUPPLY 50 Hz	ELECTRIC PUMP POWER SUPPLY 50 - 200 Hz	WEIGHT kg
ADAC T/T 3.0	60145525	3	9	2	3x400	3x400	7.6
ADAC T/T 4.0	60145526	4	11	2	3x400	3x400	7.6
ADAC T/T 5.5	60145527	5.5	15	2	3x400	3x400	7.6
ADAC T/T 7.5	88002773	7.5	22	2	3x400	3x400	12
ADAC T/T 11	88002774	11	31	2	3x400	3x400	12
ADAC T/T 15	88002775	15	41	2	3x400	3x400	12

ACTIVE DRIVER PLUS

VARIABLE SPEED CONTROL UNIT



Active Driver Plus are variable frequency drives for monitoring and controlling hydraulic pumps and are designed for constant pressure pumping systems: domestic, industrial and agricultural. The OLED display provides an extremely user-friendly graphical interface. Viewing or changing any parameter is extremely simple, which simplifies maintenance. Installation is very simple thanks to the installation wizard, the variable frequency drive prompts the user for the necessary parameters to be configured. Active Driver Plus enable a reduction in electricity consumption thanks to variable frequency drive technology, while at the same time ensuring maximum comfort through constant pressure. They are extremely versatile as they do not require external sensors and non-return valves. They have a built-in pressure sensor, flow switch and non-return valve.

The advantages of Active Driver Plus are:

- comfort through constant pressure.
- energy savings thanks to variable frequency drive technology.
- lower noise
- compact size
- all protections built-in: dry run, amperometric, abnormal voltage, overheat and frost.

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 or horizontal (M/M and M/T only).

Maximum liquid temperature +50°C.

Max operating temperature 50 °C

Max flow rate 18m³/h.

Max pressure 13 bar.

Pressure regulation range 1 to 13 bar.

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

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

Protection degree IP55.

Communication interface for sets

YES one Active Driver Plus per pump.

No non-return valve required. Equipped with graphical display

ACTIVEDRIVER PLUS



ONLINE
TRAINING






MODEL	CODE	MAX MOTOR CURRENT A	MAX MOTOR POWER KW	POWER SUPPLY 50 Hz V	ELECTRIC PUMP POWER SUPPLY	COMMUNICATION INTERFACE FOR SETS	USE WITH PUMP TYPE	PRESSURE REGULATION BAR	WEIGHT kg	QTY PER PALLET
ACTIVE DRIVER PLUS M/M 1,1	60149661	8.5	1.1	1x230	1x230	YES	Surface, submersible 4" and 5" pumps with single-phase motor and motor absorption 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	1x115 1x230	1x115 1x230	YES	Surface, submersible 4" and 5" pumps with single-phase motor and motor absorption up to 11 A	1-9	3.5	32
ACTIVE DRIVER PLUS M/M 1.8/DUAL VOLTAGE	60170689	14	1,0 1,8	1x115 1x230	1x115 1x230	YES	Surface, submersible 4" and 5" pumps with single-phase motor and motor absorption up to 14 A	1-9	3.8	32
ACTIVE DRIVER PLUS M/T 1	60169777	4.7	1	1x230	3x230	YES	Surface, submersible 4" and 5" pumps with three-phase 230V motor and motor absorption up to 4.7 A	1-9	3.5	32
ACTIVE DRIVER PLUS M/T 2,2	60170687	10.5	2.2	1x230	3x230	YES	Surface, submersible 4" and 5" pumps with three-phase 230V motor and motor absorption up to 10.5 A	1-13	3.5	32
ACTIVE DRIVER PLUS T/T 3	60169808	7.5	3	3x400	3x400	YES	Surface, submersible 4" and 5" pumps with three-phase 400V motor and motor absorption up to 7.5 A	1-13	4.5	32
ACTIVE DRIVER PLUS T/T 5,5	60170715	13.3	5.5	3x400	3x400	YES	Surface, submersible 4" and 5" pumps with three-phase 400V motor and motor absorption up to 13.3 A	1-13	4.6	32

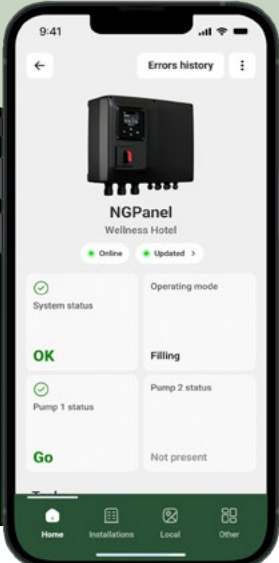
ngpanel

THE NEXT GENERATION CONTROL PANEL
TO MANAGE DRAINAGE AND FILLING PUMPS



**DAB'S DIGITAL SOLUTION
ARE EVOLVING!**



DABPUMPS.COM



NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANELS



Electrical control panel for the protection and automatic operation of one or two submersible pumps, both single-phase and three-phase, in residential, commercial and livestock installations.

Thanks to the possibility of current adjustment, the panel is compatible with all pump models supplied with current between 1 and 29 A as shown in the product compatibility table.

A wizard on the display or other connected devices enables pump start-up in just a few steps.

All configuration, control and alarm display is also done directly on a smartphone via the app, or on a web portal from a PC, via H₂D App and web portal platform digital services.

Built-in Bluetooth and Wi-Fi connectivity. Modbus support.

In the absence of a Wi-Fi connection, a USB Wi-Fi modem can be used, powering it directly from the dedicated USB port inside the panel.

Single-phase power supply 1 x 230 V

Three-phase power supply
3x400 V 50 Hz

Protection degree IP55

Maximum ambient temperature
-10 °C + 50 °C

Starting capacitor
supplied as accessory KIT

Communication protocols

RS485 MODBUS RTU

Built-in connectivity
WIFI - BLUETOOTH

ngpanel



REMOTE MONITORING
Via web portal and
H₂D App



H2D
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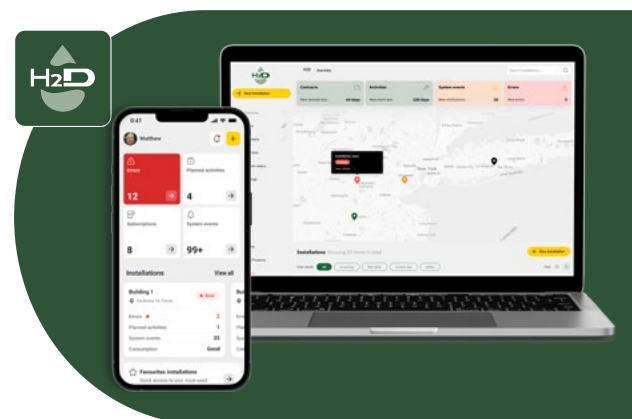
ACCESSORIES
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MODEL	CODE	POWER SUPPLY 50/60 Hz	START-UP	MAXIMUM CURRENT SINGLE PUMP A
NGPANEL 1 PUMP 29 A	60212822	1x230V 3x400V	DIRECT	29 12
NGPANEL 2 PUMPS 20 A	60212821	1x230V 3x400V	DIRECT	20 12
NGPANEL 2 PUMPS 12 A	60211088	1x230V 3x400V	DIRECT	12 12

DAB SMART SYSTEM

NgPanel used in conjunction with **DAB Virtual Cockpit** and **H₂D**, 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.



H₂D allows you to access the integrated experience of DAB smart systems, giving you the ability to connect your devices and use many of the main digital functionalities for free.



EBOX

ELECTRONIC PROTECTION AND CONTROL PANELS



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



EBox Plus is an electronic control panel for the protection and automatic operation of one or two submersible or pressurization electric pumps, both single-phase and three-phase, in domestic, civil and industrial installations.

Thanks to the possibility of current adjustment, the **EBox** panel is compatible with all pump models supplied with current between 1 and 12 A and power up to 5.5 kW as shown in the product compatibility table.

EBox Basic is an electronic control panel for the protection and automatic operation of one or two submersible single-phase electric pumps for domestic installations.

The **EBox** panel is compatible with all pump models with current between 1 and 12 A and power up to 2.2 kW as shown in the product compatibility table.

Nominal supply voltage

EBox Plus 1x 230 V / 3 x 230 V - 3 x 400 V (automatic selection).

EBox Basic 1x 230 V.

Frequency 50 - 60 Hz.

Maximum operating power

EBox Plus 5.5 kWatt +5.5 kWatt.

EBox Basic 2.2 kWatt +2.2 kWatt.

Maximum operating current 12 A +12 A.

Starting capacitor

supplied as accessory KIT.

Maximum ambient temperature
+ 40°C.

Protection degree IP55.

ebox



ONLINE
TRAINING

ACCESSORIES
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MODEL	CODE	POWER SUPPLY 50 HZ	START-UP	MAXIMUM CURRENT SINGLE PUMP A
EBOX BASIC 230/50-60	60163214	1 X 230V	DIRECT	12+12
EBOX PLUS 230-400V/50-60	60163215	1 X 230V 3 X 230V 3 X 400V	DIRECT	12+12

QUICK PRESS

ON-OFF CONTROLLER FOR ELECTRIC PUMPS



Quick Press is an ON/OFF device that controls the start or stop of the pump according to demand.

Stops the pump in the event of a water shortage and protects it from running dry.

It is used with surface and submersible pumps.

The compact device is reliable and mainly dedicated to residential installations.

Quick Press can be mounted directly on the pump or between the pump and the first point of use: it starts and stops the pump according to ON/OFF demand.

In the event of a power failure, the device automatically resets itself when power returns.

Single-phase power supply

1x230 Vac (+/- 10%) 50/60 Hz

Maximum operating power 1.1 - 2.2 kW

Maximum operating current 12 A

Protection degree IP65

MODEL	CODE	CALIBRATION PRESSURE bar	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
QUICKPRESS 1.1 - 2.2 KW 1X230V WIRELESS	60219664	1.5	1"	1"	1.3	288

GROUPING: AP

ACCESSORIES

	DESCRIPTION	CODE
	SCHUKO CABLE KIT - SCHUKO 150 CM - 50 CM	60219671
	SCHUKO CABLE KIT - FERRULES 150 CM - 68 CM	60219672
	KIT UK PLUG 150 CM - 3 PIN CABLE 68 CM	60219674
	QUICK CONNECTOR 1" GAS M/F	60219675

CONTROL D-SET - CONTROL D G-SET

ON-OFF CONTROLLER FOR ELECTRIC PUMPS



CONTROL D G-SET



CONTROL D-SET

Pump control and protection device, for use in residential installations for pressurization systems, gardens and small allotment irrigation.

Automatically starts and stops the pump based on the opening or closing of a utility, stops the pump in the event of a water shortage and protects it from running dry.

Equipped with automatic reset in the event of a blockage and an anti-blocking function.

Maintenance-free. To be installed on the delivery.

Fitted with lights indicating the operating and water shortage alarm status.

Single-phase power supply

115 V / 230 V 50 / 60 Hz

Maximum operating power 0.75 kW (1 HP)

1x115 V - 1.5 kW (2 HP) 1 x 230 V

Maximum operating current 10 A

Protection degree IP 65

Temperature (water/ambient) 65 °C

Connectors 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 + MANOMETER	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 CONTROL UNIT

VARIABLE SPEED CONTROL UNIT ACCESSORIES

NGDRIVE INSTALLATION NOTES

SINGLE INSTALLATION (accessories to be ordered)	MULTIPLE INSTALLATIONS (accessories to be ordered)
Circulation: pressure differential sensor Pressurization: pressure sensor (optional: flow sensor, flow sensor bracket, flow sensor cable)	Circulation: pressure differential sensor
MULTIPLE INSTALLATIONS 2 TO 6 DRIVES (accessories to be ordered)	
Pressurization: pressure sensor (note: due to the wireless connection between the drives, the use of a pressure sensor for each drive installed is recommended)	

MCE-C INSTALLATION NOTES






SINGLE INSTALLATION (accessories to be ordered) sensor cable provided with the product	MULTIPLE INSTALLATIONS (accessories to be ordered)
- pressure differential sensor	- pressure differential sensor - connection cable

ADAC - MCE-P INSTALLATION NOTES

SINGLE INSTALLATION (accessories to be ordered)	MULTIPLE INSTALLATIONS 2 to 8 Variable frequency drives* (accessories to be ordered)
- pressure sensor OPTIONAL: flow sensor, flow sensor bracket, flow sensor cable.	- pressure sensor - connection cable (as many as needed to connect the number of variable frequency drives installed e.g. 7 connection cables for 8 variable frequency drives).


* **CAUTION:** as an option, several pressure sensors can be mounted (minimum 1 on one variable frequency drive, max 1 per variable frequency drive). Option: flow sensor, flow sensor bracket, flow sensor cable.

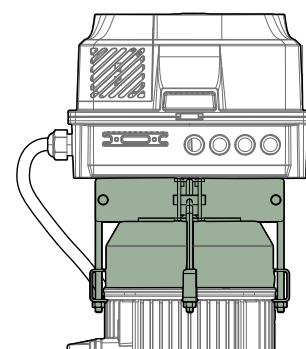
* **CAUTION:** only 1 flow sensor can be mounted on the delivery manifold or 1 flow sensor on the delivery of each pump.

PRESSURE SENSORS	DESCRIPTION	NGDRIVE	MCE/C	ADAC	MCE/P	CODE
	PRESSURE DIFFERENTIAL SENSOR 4BAR HUBA ©	•	•			60144674
	PRESSURE DIFFERENTIAL SENSOR 10BAR HUBA ©	•	•			60144675
	PRESSURE SENSOR 25 BAR COMPLETE WITH CABLE (2 M)	•		•	•	60146289
	PRESSURE SENSOR 25 BAR COMPLETE WITH CABLE (4 M)	•		•	•	88002533
	PRESSURE SENSOR 4-20 MA - 25 BAR WIRED (1.5 M)	•		•	•	60162878
	KIT TEMPERATURE SENSOR CPL -IN LINE 3M CABLE	•				60231759
	KIT TEMPERATURE SENSOR CPL -IN LINE 5M CABLE	•				60231760
	INPUT FILTER NGDRIVE M/T 6-10,5 A 1X230 V 50/60 HZ	•				60242965
	OUTPUT FILTER NGDRIVE M/T 6-10,5 A 3X230 V 50/60 HZ	•				60242966

NGDRIVE


ASSEMBLY KIT

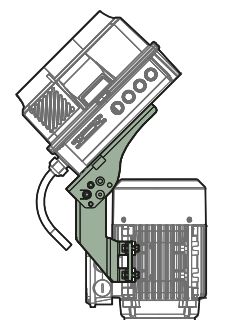
ASSEMBLY KIT - TOP	DESCRIPTION	CODE
	NGDRIVE BRACKET KIT MOTOR ASSEMBLY SIZE 71-80-90	60219370
	NGDRIVE BRACKET KIT MOTOR ASSEMBLY SIZE 100-112	60219517
	NGDRIVE FAN COVER KIT MOTOR ASSEMBLY SIZE 71	60219371
	NGDRIVE FAN COVER KIT MOTOR ASSEMBLY SIZE 80	60219372




ASSEMBLY KIT - TOP (Codes to be ordered)	NGDRIVE BRACKET KIT ASSEMBLY ON MOTOR SIZE 71-80-90	NGDRIVE BRACKET KIT ASSEMBLY ON MOTOR SIZE 100-112	NGDRIVE FAN COVER KIT ASSEMBLY ON MOTOR SIZE 71	NGDRIVE FAN COVER KIT ASSEMBLY ON MOTOR SIZE 80
		60219370	60219517	60219371
DAB MCE REPLACEMENT ON SIZE 71-80-90 MOTORS	•			
DAB MCE REPLACEMENT ON SIZE 100-112 MOTORS		•		
PUMP WITH DAB MOTOR SIZE 71	•		•	
PUMP WITH DAB MOTOR SIZE 80	•			•
PUMP WITH DAB MOTOR SIZE 90	•			
PUMP WITH LAFERT/AEG MOTOR SIZE 71-80-90	•			
PUMP WITH MOTOR BY OTHER MANUFACTURERS SIZE 71-80-90*	•			•
PUMP WITH DAB/LAFERT/AEG MOTOR SIZE 100-112		•		
PUMP WITH MOTOR BY OTHER MANUFACTURERS 100-112*		•		

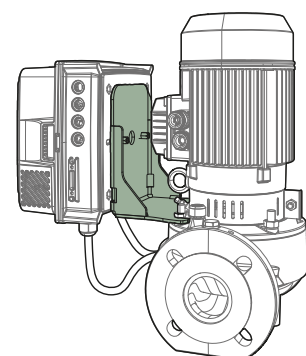
* **NOTE:** the use of a metal fan cover is highly recommended.
Size 90 DAB motors and all Lafert / AEG motors are already fitted with metal fan covers as standard.
NgDrive can be installed on the wall without additional accessories (brackets).

KIT FOR NKV	DESCRIPTION	CODE
	NGDRIVE-NKV-LAFERT/AEG BRACKET KIT SIZE 71	60219373
	NGDRIVE-NKV-LAFERT/AEG BRACKET KIT SIZE 80	60219374
	NGDRIVE-NKV-LAFERT/AEG BRACKET KIT SIZE 90	60219375




NOTE: These kits can **ONLY** be used with Lafert / AEG motors.


KIT FOR CP2 / CM2	DESCRIPTION	CODE
	NGDRIVE-INLINE-LAFERT/AEG BRACKET KIT SIZE 71	60219376
	NGDRIVE-INLINE-LAFERT/AEG BRACKET KIT SIZE 80	60219377
	NGDRIVE-INLINE-LAFERT/AEG BRACKET KIT SIZE 90	60219378
	NGDRIVE-INLINE-LAFERT/AEG BRACKET KIT SIZE 100-112	60219522








NOTE: These kits can **ONLY** be used with Lafert / AEG motors.

VARIABLE SPEED CONTROL UNIT ACCESSORIES



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


FLOW SENSOR BRACKET	DESCRIPTION	NGDRIVE	ADAC	MCE/P	CODE
	FLOW SENSOR BRACKET F3H13 FOR PLASTIC TUBE 2" (63 MM)	•	•	•	88002228
	FLOW SENSOR BRACKET F3H13 FOR PLASTIC TUBE 2 1/2" (75 MM)	•	•	•	88002229
	FLOW SENSOR BRACKET F3H13 FOR PLASTIC TUBE 3" (90 MM)	•	•	•	88002227
	FLOW SENSOR BRACKET F3H13 FOR PLASTIC TUBE 4" (110 MM)	•	•	•	88002154
	FLOW SENSOR BRACKET F3H15 FOR PLASTIC TUBE 6" (160 MM)	•	•	•	88002236
	FLOW SENSOR BRACKET F3H13 FOR METAL TUBE 2" (63 MM)	•	•	•	88002442
	FLOW SENSOR BRACKET F3H13 FOR METAL TUBE 3" (88.9 MM)	•	•	•	88002152
	FLOW SENSOR BRACKET F3H13 FOR METAL TUBE 4" (114.3 MM)	•	•	•	88002153
	FLOW SENSOR BRACKET F3H15 FOR METAL TUBE 6" (168.3 MM)	•	•	•	88002440
	FLOW SENSOR BRACKET F3H15 FOR METAL TUBE 8" (219.1 MM)	•	•	•	88002439


CABLES	DESCRIPTION	NGDRIVE	ADAC	MCE/P	MCE/C	CODE
	PRESSURE SENSOR CABLE MCE 1 MT				•	60120929
	PRESSURE SENSOR CABLE MCE 2 MT				•	60145637
	FLOW SENSOR CABLE 2 M	•	•	•		60146292
	FLOW SENSOR CABLE 4 M	•	•	•		88002311
	FLOW SENSOR CABLE 10 M	•	•	•		88002617
	FLOW SENSOR CABLE 32 M	•	•			88002618
	FLOW SENSOR CABLE 49 M	•	•			88002619
	FLOW SENSOR CABLE 99 M	•	•			88002621
	CABLE PRESSURE SENSOR 0-5V NGDRIVE 2 MT.	•				60243683
	CABLE PRESSURE SENSOR 0-5V NGDRIVE 4 MT.	•				60243684
	CABLE PRESSURE SENSOR 0-5V NGDRIVE 10 MT.	•				60243685
	RATIOMETRIC PRESSURE SENSOR CABLE 4 M		•	•		88002310
	RATIOMETRIC PRESSURE SENSOR CABLE 10 M		•	•		88002614
	RATIOMETRIC PRESSURE SENSOR CABLE 32 M		•			88002615
	RATIOMETRIC PRESSURE SENSOR CABLE 49 M		•			88002616
	RATIOMETRIC PRESSURE SENSOR CABLE 99 M		•			88002620
	CABLE FOR ADAC CONNECTION		•			88002479
	CABLE FOR MCE TWIN CONNECTION			•		60144673

NGPANEL - EBOX ACCESSORIES

ELECTRICAL CONTROL PANELS

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

LEVEL TRANSDUCER	DESCRIPTION	CODE
	PRESSURE TRANSDUCER 0-5 M - 20 M. EBOX CABLE	60114675


LEVEL PROBE	DESCRIPTION	CODE
	<p>ELECTRODE PROBE Suitable for conductive liquids with a maximum temperature of +40°C. To be connected with 1.5 mm² cable - 550 V insulation. Sensitivity: ≤ 53 kOhm.</p>	002775000


PRESSURE SWITCH	DESCRIPTION	CODE
	PRESSURE SWITCH FOR DRY RUN PROTECTION	002717002

NGPANEL - EBOX ACCESSORIES

ELECTRICAL CONTROL PANELS

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

ALARM	DESCRIPTION	CODE
	<p>ORANGE FLASHING LIGHT 230V</p> <p>With 5W incandescent bulb.</p>	60169271

PRESSURE SENSOR	DESCRIPTION	CODE
	<p>PRESSURE TRANSMITTER 16 BAR</p> <p>EBox used in pressurization.</p>	60116837

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

VARIABLE SPEED CONTROL UNIT ACCESSORIES



1x

Max 2x



1x



1x
each variable
frequency drive /
group

MODEL	Codes available on page 134
MCE-C	

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

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
CABLE FOR MCE CONNECTION 2 M + CABLE GLAND	60188147



1x

Max 8x



1x



1x
each variable
frequency drive /
group

MODEL	Codes available on page 135
MCE-P	

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

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
CABLE FOR MCE CONNECTION 2 M + CABLE GLAND	60188147



1x

Max 8x



1x



1x
each variable
frequency drive /
group

MODEL	Codes available on page 136
ADAC	

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

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
CABLE FOR ADAC CONNECTION 2 M	60188150

VARIABLE SPEED CONTROL UNIT ACCESSORIES



1x

+



1x

+



1x
each variable
frequency drive/
group

Max 8x

MODEL	Codes available on page 137
ACTIVE DRIVER PLUS	

Requires the following version update: VE 2.X or later

MODEL	CODE
DCONNECT BOX	60172819

MODEL	CODE
CONNECTION CABLE AD PLUS 5 M + CABLE GLAND	60188148
SPECIAL CABLE FOR A SECOND SET 5 M + CABLE GLAND	60189926

MODEL	CODE
 <p>ETHERNET CABLE 2M (TO BE USED FOR LAN CONNECTION)</p>	60188146
 <p>DCONNECT BMS ADAPTER KIT (MODBUS RTU RS485)</p>	60198693
 <p>MINI UPS POWER SUPPLY KIT FOR DCONNECT BOX</p>	60198905
 <p>DCONNECT BOX PANEL (DCONNECT BOX INCLUDED)</p>	60198153

NOTES

DIVERTRON + DTRON

A WINNING TEAM



FROM **DIVERTRON** TO **DTRON**, WE HAVE BROUGHT TO THE MARKET
EFFICIENT, RELIABLE, AND VERSATILE PRODUCTS.

Electronic on/off pumps offering the most functional solutions for every type of
installation, thanks also to a set of modular and built-in accessories.

DAB[®]
MAKING WATER EASY

CONTENTS - WATER PRESSURIZATION



JET, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS

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GARDEN JET, GARDEN INOX, GARDEN COM

SELF-PRIMING CENTRIFUGAL PUMPS

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EURO, EURO INOX, EURO COM

MULTISTAGE CENTRIFUGAL PUMPS

AJ - AM - AL

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MULTI INOX

HORIZONTAL MULTISTAGE SELF-PRIMING ELECTRIC PUMPS

AM

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JET, JET INOX, EURO INOX - M-P

CENTRIFUGAL PUMPS FITTED

AN - AO

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KPS, KPF

PERIPHERAL PUMPS

AB

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KI

AISI 304 STAINLESS STEEL SINGLE-IMPELLER CENTRIFUGAL ELECTRIC PUMPS

EP

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JET, JET INOX, EURO INOX - CONTROL-D

AUTOMATIC ON/OFF PRESSURIZATION SYSTEMS

DD

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JET COM, EURO INOX - CONTROL-D GSET

AUTOMATIC ON/OFF PRESSURIZATION SYSTEMS

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AUTOMATIC SELF-PRIMING BOOSTER SETS

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MULTI-IMPELLER SUBMERSIBLE PUMPS

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DIVERTRON

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS

AA-EZ

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DTRON 2

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS

AA

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DTRON 3

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS

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NBB

ASSEMBLY KIT FOR STORAGE AND PRESSURIZATION

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ACTIVE SWITCH

RAIN WATER SYSTEM

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AQUAPROF

RAIN WATER SYSTEM

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JET, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS



JET



JET INOX



JET COM

Self-priming centrifugal pump with excellent suction capacity even in the presence of air bubbles.

Particularly suitable for water supply in domestic systems, small-scale agriculture, gardening and in general where the self-priming function is required.

Jet: cast iron pump body.

Jet Inox: stainless steel pump body.

Jet Com: technopolymer pump body.

Cast iron motor support, technopolymer impeller, diffuser, venturi tube and sand guard. Stainless steel shim rings. Carbon/ceramic mechanical seal. Asynchronous motor, enclosed and cooled by external ventilation. Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version. For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Operating range

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

Liquid temperature range

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

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-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 and Jet 200, 300, 151, 251.

Protection degree IP44 (IP55 at terminal board).

Insulation class F.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	> 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

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JET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	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 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 T	60204049H	3X230-400V~	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 T	60179394H	3X230-400V~	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 T	60179414H	3X230-400V~	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 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 T	60179413H	3X230-400V~	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 INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	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	H (m)	47	40	34	30	26.2	23.5	20.3			1*	1*	7.8	28	
JETINOX 82 T	60204048H	3X230-400V~	0.82	0.6	0.82	2,9-1,7		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 T	60179395H	3X230-400V~	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 T	60179416H	3X230-400V~	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 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 T	60179415H	3X230-400V~	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, JET INOX, JET COM

SELF-PRIMING CENTRIFUGAL PUMPS



JET COM

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET							
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=1/min																						
				KW	HP		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8														
JETCOM 62 M	60213271H	1x230V	0.7	0.55	0.75	3.2	H(m)												1"	1"	7.5	28							
JETCOM 82 M	60213266H	1x230V	0.8	0.55	0.75	3.9	42	35	29.2	25.6	22.9	13														1"	1"	7.7	28
JETCOM 102 M	60212474H	1x230V	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 T	60179396H	3X230-400V~	1.04	0.75	1	3,3-1,9	53.8	47	41	36.3	32.4	28.8	25.8													1"	1"	9.5	28
JETCOM 92 M	60213272H	3X230-400V~	1.04	0.75	1	3,3-1,9	53.8	47	41	36.3	32.4	28.8	25.8													1"	1"	9.5	28
JETCOM 132 M	60212525H	1x230V	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 T	60179417H	3X230-400V~	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 200...251



MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET								
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=1/min																										
				Kw	HP		0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.2	9	9.6	10.5													
JET 151 M	60211567	1x230V	1.41	1.1	1.5	6.3	H(m)															1 1/4"	1"	31	18								
JET 151 T	60179886	3X230-400V~	1.56	1.1	1.5	5,5-3,2	61	58.2	56	53	50	46	43	36																1 1/4"	1"	31	18
JET 200 M	60211843	1x230V	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 1/2"	1 1/4"	27.1	18	
JET 200 T	60179888	3X230-400V~	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 1/2"	1 1/4"	27.6	18	
JET 251 M	60211842	1x230V	2.21	1.1	1.5	10	62	60	58	56	54	51	48.5	46	43.5	39	34.2												1 1/4"	1"	35	15	
JET 251 T	60179885	3X230-400V~	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 1/4"	1"	30.8	18	
JET 300 M	60211911	1x230V	2.58	1.8	2.45	11.6	51			48	47	46	44.5	43	42	40	37	33	32	29									1 1/2"	1 1/4"	31.5	15	
JET 300 T	60179887	3X230-400V~	2.5	2.2	3	7,4-4,3	51			48	47	46	44.5	43	42	40	37	33	32	29									1 1/2"	1 1/4"	19	18	

SELF-PRIMING AND MULTISTAGE CENTRIFUGAL PUMPS

SELECTION TABLES

DP

HYDRAULIC DATA (n ~ 2800 1/min.)																	
MODEL	P2 NOMINAL		EJECTOR TYPE	SUCTION DEPTH	Delivery pressure in bar												
	kW	HP			1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	
					Flow rate table in l/h												
DP 102 M	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 = available in SINGLE-PHASE (M) and THREE-PHASE (T) versions.

DP

DEEP SUCTION PUMPS



DP 82-102



DP 151-251

Self-priming centrifugal pump for suction of up to 27 metres, by fitting the ejector (to be ordered separately). Cast iron pump body and motor support. Technopolymer impeller and diffuser. Stainless steel shim rings. Carbon/ceramic mechanical seal. Cast iron ejector body, technopolymer venturi tube and brass nozzle. Asynchronous motor, enclosed and cooled by external ventilation. Built-in thermo-ampereometric protection and permanently inserted capacitor for the single-phase version. For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Operating range up to 4.3 m³/h

Liquid temperature range

0°C to +40°C for other uses.

0°C to +35°C for domestic use.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-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 degree IP44 (IP55 at terminal board)

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	≥ 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

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MODEL	CODE	ELECTRICAL DATA				WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL				
				KW	HP			
DP 102 M	60212479H	1x230V	1.02	0.75	1	4.4	13	28
DP 151 M	60211568	1x230V	1.39	1.1	1.5	6.3	28	21
DP 251 M	60211829	1x230V	2.18	1.8	2.45	9.6	32.5	21

GROUPING: AP

DP EJECTORS*

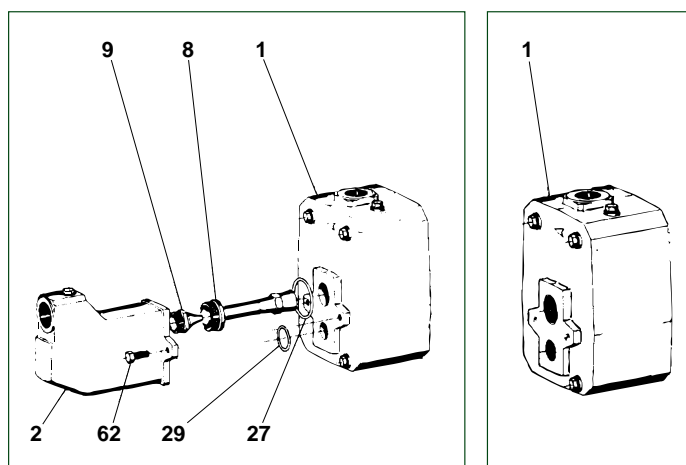
MODEL	CODE	QUANTITY PER PACKAGE
EJECTOR E 20	109200000	12
EJECTOR E 25	109200020	12
EJECTOR E 30	109200010	12



* NOT SUPPLIED WITH THE PUMP, MUST BE ORDERED SEPARATELY.

GROUPING: RI

CONVERSION INSTRUCTIONS

**Conversion from DP 151-251 to JET 151-251**

Screw the nozzle (9) into the ejector body (2) and then the Venturi tube (8).

Place the O-rings (27) and (29) in their seats and fasten the ejector body (2) to the pump body (1) using the two screws (62).

MODEL	CODE
JET 151 EJECTOR COMPLETE	R00009981
JET 251 EJECTOR COMPLETE	R00009983

Conversion from JET 151-251 to DP 151-251

Loosen and remove the two screws (62) fastening the ejector body (2) to the pump body (1). Retrieve the O-rings (27) and (29), the Venturi tube (8) and the nozzle (9).

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).

Protection degree IP44

Terminal board protection degree IP55

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 working 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

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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	H(m)														
				kW	HP		Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	Q=l/min				
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 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 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		
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 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 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-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 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 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		

EURO, EURO INOX, EURO COM

MULTISTAGE CENTRIFUGAL PUMPS



Multistage centrifugal pump with horizontal shaft, extremely low operating noise, suitable for domestic use for water supply and pressurization, irrigation of gardens and allotments, and general water handling.

Euro: UNI ISO 185 200 cast iron pump body.

Euro Inox: stainless steel pump body.

Euro Com: technopolymer pump body.

Die-cast aluminium motor support, AISI 304 steel seal cover. Carbon/ceramic mechanical seal. AISI 304 steel rotor shaft. Technopolymer impellers, diffuser bodies and diffusers. Stainless steel shim rings.

Motor protection degree IP44.

Terminal board protection degree IP55.

Insulation class F.

Operating range

10 to 120 L/min with head up to 72 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0°C to +35°C for domestic use

(EN 60335-2-41)

0°C to +40°C for other uses.

Maximum working pressure 8 bar (800 kPa).

Euro Inox self-priming version

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	≥ 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

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EURO

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=																		
				kW	HP		Q=m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.2	Q=l/min						0
EURO 25/30 M	60213207	1x230V	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 30/30 M	60213202	1x230V	0.71	0.55	0.75	3.3	46	42.2	37.8	31.2	23.3	14.3							4	1"	1"	12.7	28		
EURO 40/30 M	60213200	1x230V	0.84	0.55	0.75	3.8	57	52.7	47	38.8	29	17.7							5	1"	1"	12.8	28		
EURO 30/50 M	60213201	1x230V	0.83	0.55	0.75	3.8	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	1x230V	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 T	60179428	3x230-400V ~	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	1x230V	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 T	60179426	3x230-400V ~	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	1x230V	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 40/80 M	60212487	1x230V	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 T	60179422	3x230-400V ~	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		

DAB SERVICES
HEATING AND AIR CONDITIONING
ESYBOX LINE
CONTROL UNIT
WATER PRESSURIZATION
BOOSTER SETS
END SUCTION AND VERTICAL MULTISTAGE PUMPS
DRAINAGE AND SEWAGE
GROUNDWATER AND IRRIGATION
SWIMMING POOL PUMPS
FIRE FIGHTING

EURO, EURO INOX, EURO COM

MULTISTAGE CENTRIFUGAL PUMPS



EURO INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³h	0	0.6	1.2	1.8	2.4	3	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 25/30 M	60213216H	1x230 V	0.58	0.55	0.75	2.8	H (m)	34	31.7	28.3	23.5	17.5	11						3	1"	1"	9.7	28		
EUROINOX 30/30 M	60213219H	1x230 V	0.71	0.55	0.75	3.2		46	42.4	37.8	32.2	23.3	14.3							4	1"	1"	11.7	28	
EUROINOX 40/30 M	60213226H	1x230 V	0.84	0.55	0.75	3.8		57	52.7	47	38.8	29	17.7							5	1"	1"	11.9	28	
EUROINOX 30/50 M	60213217H	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 T	60204059H	3x230-400 V~	0.79	0.6	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	60212488H	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 T	60179419H	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	60212489H	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 T	60179421H	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	60212490H	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 T	60179423H	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	60212491H	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 T	60179418H	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	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8									
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80									
EUROCOM 30/50 M	60213205H	1x230 V	0.88	0.55	0.75	4	H (m)	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	60212480H	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			4	1"	1"	11	28		

MULTI INOX

HORIZONTAL MULTISTAGE SELF-PRIMING ELECTRIC PUMPS



Multi-impeller self-priming pumps ideal for water supply in domestic and garden applications. High-performance and extremely low noise. Available with 3, 4 and 5 AISI 304 stainless steel impellers. Anti-corrosion and anti-oxidation materials. Motor with thermal overheating protection. Double insulation system between motor and hydraulics. Excellent resistance to low temperatures. Equipped with power cable plus plug.

Liquid temperature range

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

MOTORS
SINGLE-PHASE P2 ≥120 W IE2

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8						5.4
				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 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

JET, JET INOX, EURO INOX - M-P

CENTRIFUGAL PUMPS FITTED



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL IN-LINE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



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 working pressure 8 bar (800 kPa).

Installation fixed in a horizontal position.

Special designs on request Different frequencies and/or voltages.

Motor protection degree IP44.

Terminal board protection degree IP55.

Insulation class F.

Standard voltage

Single phase 220/240V - 50 Hz.

Three phase 230/400V - 50 Hz.

THREE-PHASE MOTORS	P2	SINGLE-PHASE MOTORS	
		P2	IE2
		< 0.75 kW	IE2
≥ 0.75 kW < 75 kW	IE3		
≥ 75 kW	IE4		

ACCESSORIES
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JET, 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 NOMINAL		In A	Q=H(m)																			
				KW	HP		Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.2	9	9.6	10.5					
JET 62 M-P	60213267H	1x230V	0.7	0.55	0.75	3.2	42	35	29.2	25.6	22.9	21.1									1"	1"	11.5	24		
JET 82 M-P	60213268H	1x230V	0.8	0.55	0.75	3.9	47	40	34	30	26.2	23.5	20.3								1"	1"	12.1	24		
JET 102 M-P	60212521H	1x230V	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 132 M-P	60212523H	1x230V	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 200 M-P	60211847	1x230V	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 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	1x230V	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 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	1x230V	1.41	1.1	1.5	6.3	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	1x230V	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 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 INOX 82 M-P	60213261H	1x230V	0.8	0.55	0.75	3.9	47	40	34	30	26.2	23.5	20.3								1"	1"	13.6	18		
JET INOX 102 M-P	60212535H	1x230V	1.02	0.75	1	4.5	53.8	47	41	36.3	32.4	28.8	25.8								1"	1"	14.8	18		
JET INOX 132 M-P	60212536H	1x230V	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		

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=H(m)																			
				KW	HP		Q=m ³ /h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8	6	7.2								
EUROINOX 30/50 M-P	60213221H	1x230V	0.8	0.55	0.75	3.8	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	60212492H	1x230V	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 30/80 M-P	60212493H	1x230V	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 40/80 M-P	60213281H	1x230V	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		

KPS, KPF

PERIPHERAL PUMPS



Peripheral type centrifugal pump, small footprint. Capable of generating high heads, it is suitable for domestic and small-scale industrial use.

Cast iron pump body and motor support. Cathaphoresis treated for KPF 30/16 and KPF 45/20 models. Side suction for KPS models, front suction for KPF. Brass impeller. Carbon/ceramic mechanical seal. Asynchronous motor, enclosed and cooled by external ventilation. Built-in thermo-ampereometric protection and permanently inserted capacitor for the single-phase version. For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Operating range

5 to 50 L/min with head up to 84 metres.

Liquid temperature range

0°C to +35°C for domestic use.

-10°C to +50°C for other uses.

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum ambient temperature +40°C.

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

Protection degree IP 44.

Insulation class F.

Versions with special seals on request.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	MOTORS SINGLE-PHASE	P2	≥120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4*				

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ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET						
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³/h		0.3		0.6		0.9						1.2		1.8		2.4	
				Q=l/min	0		5	10	15	20	30	40	0	5					10	15	20	30	40	
KPF 30/16 M	60213251H	1x230V	0.5	0.25	0.33	2.4	H(m)	32.5	31	25	22	17.5	10		1°G	1°G	5.3	110						
KPF 30/16 T	60204073	3x230-400V~	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	1x230V~	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 T	60204072	3x230-400V~	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	1x230V~	0.5	0.25	0.33	2.4		32.5	31	25	22	17.5	10		1°G	1°G	5.4	36						
KPS 38/18 M	60213280H	1x230V~	0.78	0.55	0.75	3.6		54	50	46	41	36	27.5	17.5	1°G	1°G	7.5	68						
KPS 38/18 T	60204064H	3x230-400V~	0.88	0.6	0.8	2,9-1,7		54	50	46	41	36	27.5	17.5	1°G	1°G	7.5	68						
KPF 45/20 M	60212510H	1x230V~	1.2	0.85	1.15	5.3		84	76	68	62	56	38	24	1°G	1°G	9	39						
KPF 45/20 T	60179405H	3x230-400V~	1.2	1	1.34	4-2,3		84	76	68	62	56	38	24	1°G	1°G	9	39						

¹ **KPS-setup** - Peripheral pump equipped with manometer, pressure switch, power cable with plug and five-way connector for connection to a tank.

KI

AISI 304 STAINLESS STEEL SINGLE-IMPELLER CENTRIFUGAL ELECTRIC PUMPS



AISI 304 stainless steel single-impeller centrifugal pump with axial suction, suitable for civil and industrial pressurization (for cold, hot, refrigerant liquids), hot springs, industrial washing.

Standard construction materials ensure greater resistance to oxidation (rust) and subsequent erosion, and above all operation at high temperatures (90°C).

Other possible uses are: chiller systems with propylene glycol (V version) and ethylene glycol (E version); industrial washing with cold water, hot water, refrigerant or use with moderately oily and aggressive fluids (V and VS version).

Operating range

Up to 10 m³/h with head up to 32 metres.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

-10°C to +90°C.

Maximum ambient temperature +40°C.

Maximum working pressure 8 bar (800 kPa).

Protection degree IP55.

Insulation class F.

Standard voltage single-phase 220-230 V / 50 Hz;

three-phase 230-400 V / 50 Hz.

Installation fixed horizontal or vertical as long as the motor is positioned above the pump.

Special designs on request

Special mechanical seals.

Version V Ceramic Alox/Carbon/FKM for oily liquids (up to 110°C) and propylene glycol.

Version VS SiC/SiC/FKM for oily liquids (up to 110°C) and with abrasive particles.

Version E SiC/Carbon/EPDM water up to 120°C and ethylene glycol.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	MOTORS SINGLE-PHASE	P2	≥ 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

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KI

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													DNA	DNM	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m ³ /h																	
				Q=l/min	0		1.2	3	4.8	5.4	6.6	7.8	8.4	9.6	10.8	11.7								
KI 30/90 M	60212438	1x230V	1.3	0.85	1.15	5.7	H (m)	31.4	30.1	27.8	25.1	24	21.7	19	17.5						1"1/4G	1"G	13.4	27
KI 30/90 T	60184269	3x230-400V	1.25	0.75	1	4-2,3		31.4	30.1	27.8	25.1	24	21.7	19	17.5						1"1/4G	1"G	12.2	27
KI 30/120 M	60212439	1x230V	1.4	0.85	1.15	6.1		32	30.7	28.9	27	26.3	24.8	22.8	21.6	19.2	16.5				1"1/4G	1"G	13.4	27
KI 30/120 T	60179404	3x230-400V	1.4	1	1.36	4,7-2,7		32	30.7	28.9	27	26.3	24.8	22.8	21.6	19.2	16.5				1"1/4G	1"G	12.3	27

LIST PRICE INCREASE FOR SPECIAL SEALS

ADDITIONAL DESCRIPTION	SEAL MATERIAL	ELASTOMERS
-V	Carbon/Ceramic Alox/FKM	FKM
-VS	Silicon/Silicon/FKM	FKM
-E	Carbon/Silicon/EPDM	EPDM

JET, JET INOX, EURO INOX - CONTROL-D

AUTOMATIC ON/OFF PRESSURIZATION SYSTEMS



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 and allotments, and general water handling.

Automatic operation via Control-D, an electronic controller for the control and protection of domestic pumps.

CONTROL-D

Automatic ON/OFF.

Dry run protection with fault LED signalling and automatic reset.

Possibility of manual reset via reset button. Anti-lock function.

Operating range

Flow rate up to 80 L/min and head up to 72 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0°C to +35°C for domestic use (EN 60335-2-41);

0°C to +40°C for other uses.

Maximum working pressure

6 bar (600 kPa) Jet;

8 bar (800 kPa) Jet Inox, Euro Inox.

Protection degree

IP 44 (IP 55 at terminal board);

IP 65 Control-D.

Motor insulation class F

CONTROL-D
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JET, JET INOX - CONTROL-D

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80				
JET 82 M CONTROL-D	60213244	1X220-240V~	0.85	0.6	0.8	3.8	H(m)	47	40	34	30	26.2	23.5	20.3			1*	1*	13.9	14
JET 102 M CONTROL-D	60212446	1X220-240V~	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	1X220-240V~	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
JETINOX 82 M CONTROL-D	60213252	1X220-240V~	0.85	0.6	0.8	3.8		47	40	34	30	26.2	23.5	20.3			1*	1*	11.4	14
JETINOX 102 M CONTROL-D	60215148	1X220-240V~	1.13	0.75	1	5.1		53.8	47	41	36.3	32.4	28.8	25.8			1*	1*	12.6	14
JETINOX 132 M CONTROL-D	60212448	1X220-240V~	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	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m³/h	0	0.6	1.2	1.8	2.4	3	3.6	4.2	4.8				
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80				
EUROINOX 30/50 M CONTROL-D	60213223	1x220-240V ~	0.88	0.55	0.75	3.9	H(m)	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	1x220-240V ~	1.2	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	1x220-240V ~	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



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 use for water supply and pressurization, irrigation of gardens and allotments, and general water handling.

Automatic operation via Control-D-GSET, an electronic controller for the control and protection of domestic pumps.

Lock reset and anti-lock function.

Allows the pump's restart pressure to be set.

Silent operation (multiple turbines).

Mandatory foot valve or non-return valve at suction.

Operating range

Flow rates up to 80 L/min and head up to 72 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0°C to +35°C for domestic use (EN 60335-2-41);

0°C to +40°C for other uses.

Maximum working pressure

6 bar (600 kPa) Jet Com;

8 bar (800 kPa) Euro Inox.

Protection degree

IP 44 (IP 55 at terminal board);

IP 65 Control-D.

Insulation class F.

CONTROL-D
GSET
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JET COM - CONTROL-D GSET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET										
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³/h		0		0.6		1.2		1.8						2.4		3		3.6		4.2		4.8	
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80					0	10	20	30	40	50	60	70	80	
JETCOM 102 M CONTROL D-GSET	60215150	1X220-240V~	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	1X220-240V~	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													DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET								
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³/h		0		0.6		1.2		1.8		2.4		3					3.6		4.2		4.8		N° IMPELLERS	
				kW	HP		Q=l/min	0	10	20	30	40	50	60	70	80	100	120	0					10	20	30	40	50	60		70
EUROINOX 30/30 M CONTROL D-GSET	60213224	1x220-240 V~	0.72	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~	0.88	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~	1.2	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, AQUAJET INOX

AUTOMATIC SELF-PRIMING BOOSTER SETS



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



Automatic water lifting stations, suitable for domestic use, small installations for civil, agricultural and industrial use, washing systems and hobby applications.

The unit consists of a Jet or Jet Inox self-priming electric pump, tank, pressure switch for automatic operation, manometer, pump-motor connector kit, all already assembled.

Horizontal 20-litre tank, internal butyl diaphragm and virgin polypropylene capsule, complete with support brackets at the bottom and housing brackets to secure the pump at the top.

Operating range 0.6 to 5.4 m³/h with head up to 61 metres.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

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

0°C to +40°C for other uses.

Maximum suction depth 8 metres.

Maximum ambient temperature +40°C.

Maximum working pressure 8 bar (800 kPa).

Installation

Fixed or portable in a horizontal position.

Special designs on request

Other voltages and/or frequencies

Motor protection degree IP44.

Terminal board protection degree IP55.

Insulation class F.

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

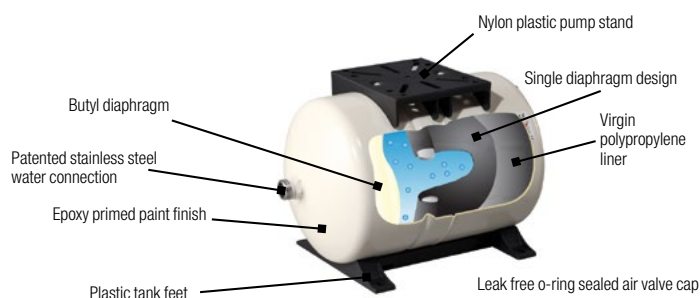
SINGLE-PHASE MOTORS P2 ≥120 W IE2

TANK WITH 5 YEARS OF GUARANTEE

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AQUAJET

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m ³ /h	H(m)								Q=l/min					
				kw	HP			0	0.6	1.2	1.8	2.4	3	3.6	4.2		4.8				
AQUAJET 82 M - G	60213195H	1x230V	0.8	0.55	0.75	3.9	47	40	34	30	26.2	23.5	20.3					1"	1"	18.2	12
AQUAJET 102 M - G	60213102H	1x230V	1.02	0.75	1	4.5	53.8	47	41	36.3	32.4	28.8	25.8					1"	1"	20	12
AQUAJET 112 M - G	60212429H	1x230V	1.2	0.85	1.15	5.7	61	54	47.8	42.8	38.8	34.8	22					1"	1"	21	12
AQUAJET 132 M - G	60212430H	1x230V	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	12



AQUAJET INOX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m ³ /h	H(m)								Q=l/min					
				kw	HP			0	0.6	1.2	1.8	2.4	3	3.6	4.2		4.8				
AQUAJET-INOX 82 M - G	60213197H	1x230V	0.8	0.55	0.75	3.9	47	40	34	30	26.2	23.5	20.3					1"	1"	15.3	12
AQUAJET-INOX 102 M - G	60213094H	1x230V	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 112 M - G	60213096H	1x230V	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 132 M - G	60213097H	1x230V	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

DIVERTEK

MULTI-IMPELLER SUBMERSIBLE PUMPS



Multi-impeller submersible pump for clean water, designed for pressurization, rainwater reuse, gardening and irrigation in domestic and residential installations.

Ideal for use in rainwater harvesting systems and for drawing water from a cistern or tank.

Available in manual or automatic version with float.

The automatic version is single-phase with float switch for protection against dry running.

No control panel required, the starting capacitor is accessible without dismantling the pump.

The motor has built-in thermal overheating protection.

Equipped with retractable carry handle, technopolymer debris filter, non-return valve and 15-metre power cable with plug.

A four-section reducer-connector is supplied as standard.

Flow rate 1 m³/h to 6.3 m³/h (model 500);

1 m³/h to 6 m³/h (model 650);

1 m³/h to 6.3 m³/h (model 900).

Maximum head

45 m (900 model);

30 m (650 model);

25 m (500 model).

Maximum immersion depth 12 m.

Type of liquid pumped clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature +0 °C to +40 °C.

Maximum operating depth 15 m.

Flanging or threading 1" (supplied with a four-section reducer-connector as standard).

Maximum pump diameter 160 mm.

Impeller construction material

Technopolymer.

Maximum number of starts per hour 20/h.

Pump protection degree IP68.

Thermal classification of motor insulation F.

Single-phase power supply 230 V 50 Hz.

Three-phase power supply not available.

Power cable length and plug type 15 m H07RNF with plug.

Type of installation possible fixed or portable vertical only.

Special versions available on request different cable lengths, different plugs.

DIVERTEK

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											N° IMPELLERS	DNM GAS	WEIGHT KG	QTY PER PALLET					
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m ³ /h		1.2		1.8		2.4		3		3.6					4.2		4.8		
				kW	HP		0	20	30	40	50	60	70	80	0	20	30					40	50	60	70	80
DIVERTEK 500 A	60203224H	1 x 220-240 V ~	0.53	0.34	0.46	2.5	H(m)		25.6	24.4	22.9	20.7	18	14.9	11.6	7.8	2	1"	9.1	40						
DIVERTEK 650 A	60203222H	1 x 220-240 V ~	0.63	0.42	0.56	2.9			30.4	28.5	27	24	21	17	13	8.5	2	1"	9.1	40						
DIVERTEK 650 NA	60209617H	1 x 220-240 V ~	0.63	0.42	0.56	2.9			30.4	28.5	27	24	21	17	13	8.5	2	1"	9.1	40						
DIVERTEK 900 A	60203221H	1 x 220-240 V ~	0.92	0.56	0.75	4.2			46.4	42.7	40.1	36.8	32.5	27.3	21.5	15.2	3	1"	10.6	40						

DIVERTRON

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS



Electronic multi-impeller submersible pump for clean water, designed for pressurization, rainwater reuse, gardening and irrigation in domestic and residential installations.

It features a pressure switch, a flow sensor and control electronics for automatically switching on and off.

Automatic operation allows the pump to start up and shut down autonomously according to the demands of the system and protects it from running dry.

Supplied with a built-in starting capacitor, installed in an accessible compartment without dismantling the pump, non-return valve and 15-metre power cable with plug.

Available with technopolymer debris filter or with a connector for float suction kit (X version).

Recommended installation with a small auxiliary expansion tank.

Operating range

1 m³/h to 5.4 m³/h with head up to 45 m (model 900) and 30 m (model 650).

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range

0°C to +40°C for domestic use (EN 60335-2-41).

Maximum suction depth 15 metres.

Maximum pump diameter 160 mm.

Installation

Fixed or portable in vertical position only

Special designs on request

Different cable lengths, different plugs.

Pump protection degree IP 68.

Insulation class F.

Standard voltage single-phase 230 V / 50 Hz.

DIVERTRON

ACCESSORIES
PAGE 175

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		In A	Q=m ³ /h	0	1.2	1.8	2.4	3	3.6	4.2	4.8							
				kW	HP		Q=l/min	0	20	30	40	50	60	70	80							
DIVERTRON 650	60209375H	1x220-240V~	0.63	0.42	0.56	2.9	H (m)	30.4	27.7	25.8	23	19.7	15.2	10.3	4.8	2	-	1"	9.5	32		
DIVERTRON 650 A*	60203223H	1x220-240V~	0.63	0.42	0.56	2.9		30.4	27.7	25.8	23	19.7	15.2	10.3	4.8	2	-	1"	9.5	32		
DIVERTRON X 650	60208444H	1x220-240V~	0.63	0.42	0.56	2.9		30.4	27.7	25.8	23	19.7	15.2	10.3	4.8	2	1"	1"	9.5	32		
DIVERTRON 900	60209373H	1x220-240V~	0.92	0.56	0.75	4.2		45.8	42.1	39.4	35.6	31.1	25.2	18.8	11.9	3	-	1"	11	32		
DIVERTRON 900 A*	60203220H	1x220-240V~	0.92	0.56	0.75	4.2		45.8	42.1	39.4	35.6	31.1	25.2	18.8	11.9	3	-	1"	11	32		
DIVERTRON X 900	60208443H	1x220-240V~	0.92	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"	11	32		
DIVERTRON X 650 + 1M SUCTION KIT	60209611H	1x220-240V~	0.63	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	60209596H	1x220-240V~	0.92	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		

* A float version

GROUPING: AP

ACCESSORIES

	AUXILIARY TANK FOR DIVERTRON	60117315
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DTRON 2

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS



Electronic multi-impeller submersible 7 inch pump for clean water, designed for use in pits, cisterns or tanks. Suitable for domestic and residential use for pressurization, rainwater reuse, gardening and irrigation.

Built-in electronics for automatically switching on and off, a non-return valve and a carry handle. Electronic operation also protects against running dry. The innovative modular design means that the hydraulics, motor, electric and filter can be dismantled separately, making maintenance much easier.

A pressure relief valve withstands the pressure generated by ice and water hammer. The suction height is adjustable from the bottom to 8 cm by means of the accessory supplied as standard. A float can be connected without compromising the watertightness of the pump thanks to the NFC pocket. Built-in 0.04-litre expansion tank with no need for maintenance or refilling. 15-metre power cable with plug. DTRON2 available in X version with 1" inlet and X kit including 1 metre suction hose and float to prevent suction of impurities from the bottom. The entire pump is rated IP68. With the DOC68 accessory (supplied separately), it becomes an IP68 surface pump to be used under head. Certified drinking water version available on request.

Max flow rate 7.2 m³/h.

Maximum head 45 m.

Maximum immersion depth 12 m.

Type of liquid pumped

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Free passage 2 mm.

Min and max liquid temperature
+0 °C to +50 °C.

Maximum operating depth 15 m.

Set cut-in 2.4 bar (+/-0.2)

Delivery flanging or threading

Threaded 1 1/4".

Maximum pump diameter 185 mm.

Pump protection degree IP68

Thermal classification of motor insulation
F.

Power cable 15 m with plug.

Type of installation possible

Fixed, horizontal or vertical. Submerged or semi-submerged. Surface, under head installation in vertical position is possible with external accessory DOC68 (supplied separately).

DTRON 2



ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															WEIGHT KG	QTY PER PALLET		
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM. kW HP		In A	Q=m ³ /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	
DTRON2 35/90	60195238	1 x 220-240 V~	0.75	0.52	0.7	3.4	H(m)	37	35.9	35	33	30	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	43	41.2	38	34.2	29.7	24.7	20	15	9	2.5	0.6					11.4	15
DTRON2 35/120	60195251	1 x 220-240 V~	0.9	0.6	0.8	4		38	37.6	36.3	34	31.5	28.9	26	23.2	20	16.3	12	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 + SUCTION KIT 1M	60196488
DTRON2 X 45/90 + SUCTION KIT 1M	60196489
DTRON2 X 35/120 + SUCTION KIT 1M	60196490



DTRON 2 X



SUCTION KIT

discover **DTRON**



DTRON 3

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS



Electronic multi-impeller submersible 7 inch pump for clean water, designed for use in pits, cisterns or tanks. Can be used submerged, partially submerged or on the surface (with the appropriate accessory). Suitable for domestic and residential use for pressurization, rainwater reuse, gardening and irrigation.

Built-in electronics for automatically switching on and off, a non-return valve and a carry handle. Electronic operation also protects against running dry. The innovative modular design means that the hydraulics, motor, electric and filter can be dismantled separately, making maintenance much easier. A pressure relief valve withstands the pressure generated by ice and water hammer. The suction height is adjustable from the bottom up to 8 cm by means of the accessory supplied as standard. A float can be connected without compromising the watertightness of the pump thanks to the NFC (Near Field Communication) pocket. The starting pressure is adjustable via the Com Box, which is supplied as standard. Built-in 0.04-litre expansion tank with no need for maintenance or refilling. 15-metre power cable with plug.

The Com Box allows the starting pressure to be set and alarms to be monitored. Pump available in X version with 1" inlet and X kit including 1 metre suction hose and float to prevent suction of impurities from the bottom.

Using the optional DConnect Box 2 accessory, Dtron 3 can be remotely monitored via the DConnect platform.

The entire pump is rated IP68. With the DOC68 accessory (supplied separately), it becomes an IP68 surface pump to be used under head. Certified drinking water version available on request.

Max flow rate 7.2 m³/h.

Maximum head 45 m.

Maximum immersion depth 12 m.

Type of liquid pumped

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Free passage 2 mm

Min and max liquid temperature

+0 °C to +50 °C.

Maximum operating depth 15 m

Set cut-in 2.4 bar (+/- 0.2).

Delivery flanging or threading

Threaded 1 1/4".

Maximum pump diameter 185 mm.

Pump protection degree IP68

Thermal classification of motor insulation

F

Power cable 15 m with plug

Type of installation possible

Fixed, horizontal or vertical. Submerged or semi-submerged. Surface, under head installation in vertical position is possible with external accessory DOC68 (supplied separately).

DTRON 3



ACCESSORIES
PAGE 175

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA														WEIGHT KG	QTY PER PALLET				
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m ³ /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			
DTRON3 35/90	60195016	1 x 220-240 V ~	0.75	0.52	0.7	3.4	37	35.9	35	33	30	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	43	41.2	38	34.2	29.7	24.7	20	15	9	2.5	0.6								11.6	15
DTRON3 35/120	60195034	1 x 220-240 V ~	0.9	0.6	0.8	4	38	37.6	36.3	34	31.5	28.9	26	23.2	20	16.3	12	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 + SUCTION KIT 1M	60196491
DTRON3 X 45/90 + SUCTION KIT 1M	60196492
DTRON3 X 35/120 + SUCTION KIT 1M	60202519



DTRON3 X



SUCTION KIT

discover **DTRON**



NBB

ASSEMBLY KIT FOR STORAGE AND PRESSURIZATION



NBB is the solution for creating a pressurization system in a domestic installation.

A concept based on modular components, featuring the NBB cistern kit, a submersible or surface pump, an variable frequency drive - if the pump does not have built-in electronics - and the assembly kit, which includes the expansion tank if this is not built into the pump. In all its many configurations, NBB offers compact dimensions, great comfort and, in the variable frequency drive versions, excellent energy saving. The NBB cistern kit consists of

- 280-litre tank specifically for drinking water in accordance with European standards EN 1717 and EN 13077
- filling and overflow valves fitted
- accessory protective grille loose inside.

By using the auxiliary tank kit, consisting of a 280-litre cistern, connection pipe with seal and band, the system's capacity can be doubled. In addition to NBB, the user must choose the assembly kit corresponding to the specific pump type, or pump plus variable frequency drive, to be used. The pumps to be installed, as well as the variable frequency drive, are not included in the kit and must be ordered separately. The installation kits include all the accessories needed to install the pump and, where applicable, the variable frequency drive on the NBB cistern kit. A 5-litre expansion tank is also provided for Pulsar and Euroinox installation kits.

Operating range

10 to 120 L/min; up to 72 m.

Liquid temperature range

0°C to +35°C for domestic use.

Pumped liquid

Suitable for drinking water in accordance with European standards EN 1717 and EN 13077.

Maximum ambient temperature +40°C.

Maximum working pressure 8 bar (800 kPa) for the surface pump configuration.

Maximum inlet pressure 6 bar.

Protection degree

IP44 for surface pumps.

IP68 for submersible pumps.

Insulation class F.



AD PLUS
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

ACCESSORIES
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MODEL	CODE
NBB CISTERN KIT 280 LITRES - WRAS (INCL. GRILLE)	60149355
ACTIVE KIT FOR NBB	60116646
KIT EUROINOX FOR NBB	60123882
PULSAR INSTALLATION KIT	60116638

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

The installation kits are designed to be used solely with the pump models specified below.

SELECTION TABLE NBB A + B + C KIT = NBB

A	B		C
NBB CISTERN	PUMP MODEL	ACTIVE DRIVER PLUS	INSTALLATION KIT *
 <p>60149355 NBB CISTERN KIT 280 litres (including protection grilles)</p> <p>EXPANDABLE WITH</p>  <p>60123556 AUXILIARY TANK KIT</p>	 <p>EUROINOX M</p>	60149661 AD PLUS M/M 1.1	60123882 - EUROINOX INSTALLATION KIT - suction hose - fittings - viteria - bracket for AD - 5-litre expansion tank - ball valve
	 <p>EUROINOX T</p>	60169777 AD PLUS M/T 1.0	
	 <p>ACTIVE EI M</p>		60116646 - ACTIVE INSTALLATION KIT - suction hose - fittings - screws
	 <p>DTRON 2 / DTRON 3 / ESYBOX DIVER</p>		60203517 - NBB DTRON2/ DTRON3/ ESYBOX DIVER KIT - fittings - screws
	 <p>60210498 - PULSAR 50/50 M-NA</p>	60149661 AD M/M 1.1	60116638 - PULSAR INSTALLATION KIT - fittings - non-return valve - pump fastening bar - bracket for AD - ball valve - screws - 5-litre expansion tank
	 <p>60210510 - PULSAR 40/80 M-NA</p>		
	 <p>60210499 - PULSAR 50/50 T-NA (3X230V)</p>	60169777 AD M/T 1.0	
	 <p>60210511 - PULSAR 40/80 T-NA (3X230V)</p>		
	 <p>DIVERTRON</p>		60123662 - DIVERTRON INSTALLATION KIT - fittings - screws

* All kits are supplied unassembled, with assembly instructions.

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 EURO INOX 30/50 M IE2 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 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".

ACCESSORIES
PAGE 175

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA										IMPELLERS NUMBER	DNA PUMP	DNM PUMP	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	3.6	4.2	4.8	Q=l/min						0	10
ACTIVE SWITCH 30/50 M	60213192	1x230V	0.903	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			

GROUPING: A5

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 Innox 30/50 M or Euro Innox 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 IP42.

Working ambient temperature

min. +5°C - max. +40°C.

Max flow 80 l/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".

ACCESSORIES
PAGE 175


MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA										IMPELLERS NUMBER	DNA PUMP	DNM PUMP	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	3.6	4.2	4.8	Q=l/min						0	10
AQUAPROF BASIC 30/50	60213189	1x230V	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	3	1"	1"	28	3			
AQUAPROF BASIC 40/50	60213076	1x230V	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	4	1"	1"	32	3			
AQUAPROF TOP 30/50	60213190	1x230V	0.8	0.55	0.75	3.8		42.2	40.2	38.2	36.2	33.8	30	24.8	19.5	14	3	1"	1"	28	3			
AQUAPROF TOP 40/50	60213085	1x230V	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	4	1"	1"	32	3			


ACCESSORIES


WATER PRESSURIZATION



WATER PRESSURIZATION ACCESSORIES



SELF-PRIMING AND CENTRIFUGAL PUMPS

EXPANSION TANKS	DESCRIPTION	CODE
 <p>100/310/450 LITRES VERTICAL</p> <p>20/60 LITRES HORIZONTAL</p> <p>2/3/18 LITRES VERTICAL</p>	2-LITRE TANK 10 BAR V - G	60141865
	8-LITRE TANK G 10 BAR V	60141866
	18-LITRE TANK G 10 BAR V	60141867
	18-LITRE TANK G 16 BAR V	60141868
	20-LITRE TANK 10 BAR H - G	60141869
	60-LITRE TANK 10 BAR H - G	60141870
	100-LITRE TANK 10 BAR V - G	60141871
	310-LITRE TANK 10 BAR V - G	60141872
	450-LITRE TANK 10 BAR V - G	60141873

ASSEMBLY KIT	DESCRIPTION	CODE
	AQUAJET FLEXIBLE HOSE KIT 20L RED TANK	547120530
	AQUAJETINOX FLEXIBLE HOSE KIT 20L RED TANK	547120510
	AQUAJET FLEXIBLE HOSE KIT 20L WHITE TANK	60126040
	AQUAJETINOX FLEXIBLE HOSE KIT 20L WHITE / 60L RED TANK	547120570



DIAPHRAGM	DESCRIPTION	CODE
	DIAPHRAGM FOR AQUABOX V. 8 LITRES BUTYL	002139828
	DIAPHRAGM FOR AQUABOX V. 20 LITRES / 16 BAR	002139833
	DIAPHRAGM FOR AQUABOX 19-20 LITRES BUTYL	002139831


MANOMETERS	DESCRIPTION	CODE
	ABS. MANOMETER 6 BAR D.50 ATT.¼"	002125051
	ABS. MANOMETER 12 BAR D.63 ¼" FITTING	002126007
	RAD. MANOMETER 12 BAR D.63 ATT.¼"	002126037


PRESSURE SWITCHES	DESCRIPTION	CODE
	PRESSURE SWITCH 6 BAR	002716710
	PRESSURE SWITCH 6 BAR - COMPLETE	60110618
	PRESSURE SWITCH 12 BAR - XMP	60110619
	PRESSURE SWITCH FOR DRY RUN PROTECTION	002717002

WATER PRESSURIZATION ACCESSORIES

SELF-PRIMING AND CENTRIFUGAL PUMPS

UNIONS	DESCRIPTION	CODE
	3-WAY BRASS CONNECTOR 1"	167320100
	5-WAY BRASS CONNECTOR 1"	60110862

FOOT VALVES	DESCRIPTION	CODE
 FOOT VALVE 3/4"	FOOT VALVE 3/4"	002130903
	FOOT VALVE 1"	002130904
	FOOT VALVE 1 1/4"	002130905

NON-RETURN VALVES	DESCRIPTION	CODE
 NON-RETURN VALVE 3/4"	NON-RETURN VALVE 3/4"	002130063
	NON-RETURN VALVE 1"	002130064
	NON-RETURN VALVE 1 1/4"	002130065
	NON-RETURN VALVE 1 1/2"	002130066

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS





FIRE FIGHTING

WATER PRESSURIZATION ACCESSORIES

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS



GROUPING: FM - E7

DTRON3 ACCESSORIES	MODEL
	<p>DCONNECT BOX 2</p> <p>With DConnect Box 2 and the new app, you can control the pump, set start-up and shutdown parameters, view alarm details and monitor the system status directly from your smartphone.</p> <p>With DConnect Box 2 you can access DAB's cloud service.</p> <div style="display: flex; justify-content: flex-end; gap: 10px;">    </div>



1x

+




1x

Max 1x




MODEL	Codes available on page 171
DTRON 3	
<p>Requires the following version update: VE 5.X or later</p>	


MODEL	CODE
DCONNECT BOX 2	60196424

	DESCRIPTION	CODE
	<p>NFC LEVEL SENSOR</p> <p>Connected to the DConnect Box 2, it monitors the water level in the tank and communicates it to the user via the app (available for Eskybox Diver).</p>	60184570

WATER PRESSURIZATION ACCESSORIES

ELECTRONIC MULTI-IMPELLER SUBMERSIBLE PUMPS

		GROUPING: AA
DTRON2-3 ACCESSORIES	DESCRIPTION	CODE
	<p>NFC FLOAT</p> <p>Detects the water level in the tank, preventing the tank from being emptied and the pump from running dry due to too low a water level.</p>	60184577
	<p>SUCTION KIT FOR X VERSION</p> <p>Combined with the X version, it allows water to be drawn up to a level that prevents the pumping of dust and sludge from the bottom of pits and tanks.</p>	60195974
	<p>DOC68</p> <p>With DOC68, DTron can also be installed outdoors as an IP68-certified surface pump.</p>	60192274

		GROUPING: AP
DIVERTRON ACCESSORIES	DESCRIPTION	CODE
	<p>SUCTION KIT FOR DIVERTRON X</p>	60187735

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CONTENTS - BOOSTER SETS



2 ESYBOX WITH ESYTWIN

ELECTRONIC BOOSTER SET

E7

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ESYBOX MAX

ELECTRONIC PRESSURIZATION SYSTEM

G4

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2 JET, 2 EURO, 2 EURO INOX - AD PLUS

VARIABLE SPEED BOOSTER SETS WITH ACTIVE DRIVER PLUS

BY

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2, 3 KVC

BOOSTER SETS WITH 2-3 KVC VERTICAL MULTISTAGE PUMPS

C3

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2 KV

SETS WITH 2 VERTICAL MULTISTAGE PUMPS

C3

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2, 3, 4 NKV

FIXED SPEED BOOSTER SETS

C2

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2 NKV 10, 15, 20 - EBOX

PRESSURIZATION GROUPS WITH 2 MULTISTAGE CENTRIFUGAL PUMPS WITH A VERTICAL AXIS

C2

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2, 3 NKP-G, K

SETS WITH CENTRIFUGAL PUMPS NKP-G, K

C4

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2, 3 KVC - AD PLUS

VARIABLE SPEED BOOSTER SETS WITH ACTIVE DRIVER PLUS

BY

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2, 3 KVCXE - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SETS WITH MCE-P AND DCONNECT-

EJ

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2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED BOOSTER SETS WITH MCE

EJ

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2, 3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SETS WITH MCE AND DCONNECT

EJ

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AQUATWIN TOP

PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM

C1

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ACCESSORIES

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2 JET, 2 EURO, 2 EURO INOX - AD PLUS

VARIABLE SPEED BOOSTER SETS WITH ACTIVE DRIVER PLUS



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



2 Jet, 2 Euro, 2 Euro Inox - AD Plus are **variable speed booster sets** with 2 horizontal shaft centrifugal pumps particularly suitable for domestic, small civil or industrial use. By using the Active Driver Plus variable frequency drive, they guarantee performance that automatically adapts to

different system requirements by meeting the constant pressure demands of modern system technology. **Constant pressure control** is used in a wide variety of sectors:

Aqueducts - Irrigation - Industry - Hotels - Housing
- Spas.

Highly reliable, easy to operate and low maintenance.

Construction features - main components:

- **2 Jet - AD Plus** has 2 Jet self-priming horizontal shaft pumps with cast iron pump body.

- **2 Euro - AD Plus** has 2 Euro multistage horizontal shaft pumps with cast iron pump body.

- **2 Euro Inox - AD Plus** has 2 Euro Inox self-priming multistage horizontal shaft pumps with stainless steel pump body.

- Tropicalised sheet metal base complete with 4 rubber anti-vibration feet.

- Galvanised steel suction and delivery manifolds (in stainless steel for 2 Euro Inox - AD Plus).

- 2 Active Driver Plus variable frequency drives on the delivery side of each pump.

- 1 8-litre expansion tank per set.

- 1 protection panel.

Operating range 0.4 to 15 m³/h

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0 °C to +40 °C.

Maximum ambient temperature +40°C

Maximum working pressure PN10 (10 bar)

Protection degree IP 44

Special designs on request

Unlisted voltages and/or frequencies.

Includes 1 8-litre expansion tank.



AD PLUS
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ACCESSORIES
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2 JET - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m ³ /h	H m	A	M	
			kW x 2	HP x 2					
2JET AD 132 M / T	500140040	1X230V ~	1	1.36	0,6-9,6	45,6-27,2	2"	1"½	56
2JET AD 151 M / T	500140070	1X230V ~	1.1	1.5	0,6-9	58-38	2"	1"½	96
2JET AD 251 M / T	500140090	1X230V ~	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
		POWER SUPPLY 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	1X230V ~	1	1.36	0,6-14,4	58-16	2"	1"½	57
2EUROINOX AD 40/80 M / T	500140380	1X230V ~	1	1.36	0,6-14,4	58-14	2"	1"½	57
2EURO AD 50/50 M / T	500140260	1X230V ~	1	1.36	0,6-9,6	68-26,5	2"	1"½	57
2EUROINOX AD 50/50 M / T	500140360	1X230V ~	1	1.36	0,6-9,6	68-26	2"	1"½	57

2, 3 KVC

BOOSTER SETS WITH 2-3 KVC VERTICAL MULTISTAGE PUMPS



2, 3 KVC are **fixed speed booster sets** with 2 or 3 vertical multistage centrifugal pumps particularly suitable for domestic, small civil or industrial use.

Thanks to the use of the electrical control panel (2-pump and 3-pump sets), automatic switching of the pumps, control via the main switch and protection of the electric pumps via magnetothermic circuit breakers is guaranteed.

EBox panel with display for 2 KVC sets.

Highly reliable, easy to operate and low maintenance.

Construction features - main components:

2 to 3 KVC vertical multistage electric pumps.

Passivated sheet metal base with 4 anti-vibration rubber feet.

Suction and delivery manifolds in stainless steel.

Command and control:

-2 KVC-->complete with EBox D panel with display.

-3 KVC-->complete with E3G panel with pressure switches.

Operating range 1 to 36 m³/h

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

+0 °C to +40 °C

Maximum ambient temperature +40°C

Maximum working pressure PN12 (12 bar).

Special designs on request

Contact our sales network.

Protection degree IP55.

Sets include 1 18-litre expansion tank for each pump and AISI 304 stainless steel delivery and suction manifolds.



THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m ³ /h	H m	DNA	DNM	
			kW X 2	HP X 2					
2KVC 30/50 M 230-50	60122127	1 X 230V ~	0.75	1	0,5-4,8-9,6	41-35-17	2"	2"	70
2KVC 45/80 M 230-50	60122134	1 X 230V ~	1.5	2	0,7-9,6-18	65-53-21	2"	2"	82
2KVC 45/80 T 400-50	60179972	3 X 400V ~	1.5	2	0,7-9,6-18	65-53-21	2"	2"	82
2KVC 55/80 M 230-50	60122135	1 X 230V ~	1.85	2.5	0,7-9,6-18	76-61-23	2"	2"	84
2KVC 65/50 T 400-50	60179969	3 X 400V ~	1.1	1.5	0,5-4,8-9,6	83-70-42	2"	2"	82
2KVC 65/80 T 400-50	60179974	3 X 400V ~	2.2	3	0,7-9,6-18	88-71-31	2"	2"	85
2KVC 45/120 M 230-50	60122137	1 X 230V ~	1.85	2.5	1,2-12-24	62-52-17	2"	2"	86
2KVC 45/120 T 400-50	60179976	3 X 400V ~	1.85	2.5	1,2-12-24	62-52-17	2"	2"	86
2KVC 60/120 T 400-50	60179977	3 X 400V ~	2.2	3	1,2-12-24	78-63-25	2"	2"	90
2KVC 70/120 T 400-50	60179978	3 X 400V ~	3	4	1,2-12-24	95-78-31	2"	2"	94
2KVC 85/120 T 400-50	60179979	3 X 400V ~	3	4	1,2-12-24	112-90-34	2"	2"	95

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m ³ /h	H m	DNA	DNM	
			kW x 3	HP x 3					
3KVC 45/80 T 400-50	60179981	3 X 400V ~	1.5	2	0,7-14,4-27	65-53-21	2½"	2½"	128
3KVC 65/80 T 400-50	60179982	3 X 400V ~	2.2	3	0,7-14,4-27	88-71-31	2½"	2½"	133
3KVC 45/120 T 400-50	60179983	3 X 400V ~	1.85	2.5	1,2-18-36	62-52-17	2½"	2½"	134
3KVC 60/120 T 400-50	60179984	3 X 400V ~	2.2	3	1,2-18-36	78-63-25	2½"	2½"	140
3KVC 70/120 T 400-50	60179985	3 X 400V ~	3	4	1,2-18-36	95-78-31	2½"	2½"	146
3KVC 85/120 T 400-50	60179986	3 X 400V ~	3	4	1,2-18-36	112-90-34	2½"	2½"	148

The sets are supplied with tanks and air supply connection as standard.

2 KV

SETS WITH 2 VERTICAL MULTISTAGE PUMPS



2 KV are fixed speed pressurisation units with 2 vertical axis multistage centrifugal pumps, particularly suited for domestic use, and for small civil, agricultural, or industrial systems for applications with hot water up to 90°C.

The control panel guarantees automatic switching of the pumps, control at the main switch and protection of the electric pumps with thermal magnetic circuit breakers.

The main features of the EBox D panel with display for 2 KV units are limited space requirements, sturdiness and absolute reliability.

Construction features – main components:

2 KV vertical axis multistage electric pumps.

Tropicalized sheet steel base, complete with 4 anti-vibration rubber feet.

Suction and delivery manifolds in galvanized steel.

Operating range from 3 to 28 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 -15°C to +90°C.

Maximum ambient temperature +40°C.

Maximum working pressure PN16 (16bar).

Special designs on request

Contact our sales network.

Protection class IP55.

Including 1 18-litre expansion vessel for each pump



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



MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		∅		WEIGHT Kg
		VOLTAGE 50 Hz	P2 NOMINAL		Q m ³ /h	H m	DNA	DNM	
			kW	HP					
2 KV10/8T	60180007	3X 400V ~	2.2	3	6-26,4	73,5-28	2"½	2"½	114

2, 3, 4 NKV

FIXED SPEED BOOSTER SETS



Fixed speed booster sets for use in civil and commercial installations or in agriculture, designed for water recirculation in heating and pressurization systems and for irrigation. Each NKV vertical multi-impeller centrifugal pump is equipped with an expansion tank. The standard set is equipped with NKV 10, 15, 20 S pumps in AISI 304 stainless steel; the NKV 32, 45 pumps have a pump body in cataphoresis-treated cast iron, impellers, diffusers and pump liner in AISI 304 stainless steel.

The sets of two, three or four pumps are equipped with an electrical control panel with warning lights. AISI 304 stainless steel suction and delivery manifolds, delivery and suction shut-off valves and a pressure transmitter. The sets are supplied assembled, set up and tested directly at the factory. X version with parts in contact with water in AISI 316 stainless steel available on request.

Operating range 0.5 to 280 m³/h.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range 0°C to +120°C (80°C with expansion vessel installed).

Maximum ambient temperature +50°C.

Maximum working pressure

PN16 (up to PN25 on request).

Protection degree IP 55.

Special designs on request voltages and/or frequencies not listed.

“X” version, materials in contact with water made of AISI 316 stainless steel.

Sets include 1 18-litre expansion tank for each pump and AISI 304 stainless steel delivery and suction manifolds.



THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4

MODEL	CODE	MODEL	CODE	MODEL	CODE
2NKV 10/5 S T	60180265	3NKV 10/5 S T	60180285	4NKV 10/5 S T	60180306
2NKV 10/6 S T	60180266	3NKV 10/6 S T	60180286	4NKV 10/6 S T	60180307
2NKV 10/7 S T	60180267	3NKV 10/7 S T	60180287	4NKV 10/7 S T	60180309
2NKV 10/8 S T	60180268	3NKV 10/8 S T	60180288	4NKV 10/8 S T	60180311
2NKV 10/9 S T	60180269	3NKV 10/9 S T	60180289	4NKV 10/9 S T	60180314
2NKV 10/10 S T	60180270	3NKV 10/10 S T	60180290	4NKV 10/10 S T	60180315
2NKV 10/12 S T	60180271	3NKV 10/12 S T	60180291	4NKV 10/12 S T	60180316
2NKV 10/15 S T	60180272	3NKV 10/15 S T	60180292	4NKV 15/5 S T	60180319
2NKV 15/5 S T	60180275	3NKV 15/5 S T	60180295	4NKV 15/6 S T	60180320
2NKV 15/6 S T	60180276	3NKV 15/6 S T	60180296	4NKV 15/7 S T	60180322
2NKV 15/7 S T	60180277	3NKV 15/7 S T	60180297	4NKV 15/8 S T	60180329
2NKV 15/8 S T	60169709	3NKV 15/8 S T	60169770	4NKV 15/9 S T	60169827
2NKV 15/9 S T	60169710	3NKV 15/9 S T	60169771	4NKV 15/10 S T	60169828
2NKV 15/10 S T	60169711	3NKV 15/10 S T	60169776	4NKV 20/3 S T	60180324
2NKV 20/3 S T	60180278	3NKV 20/3 S T	60180298	4NKV 20/4 S T	60180325
2NKV 20/4 S T	60180279	3NKV 20/4 S T	60180299	4NKV 20/5 S T	60180326
2NKV 20/5 S T	60180280	3NKV 20/5 S T	60180300	4NKV 20/6 S T	60169832
2NKV 20/6 S T	60169722	3NKV 20/6 S T	60169778	4NKV 20/7 S T	60169833
2NKV 20/7 S T	60169724	3NKV 20/7 S T	60169779	4NKV 20/8 S T	60169834
2NKV 20/8 S T	60169725	3NKV 20/8 S T	60169780	4NKV 20/9 S T	60169835
2NKV 20/9 S T	60169726	3NKV 20/9 S T	60169781	4NKV 20/10 S T	60169836
2NKV 20/10 S T	60169727	3NKV 20/10 S T	60169782	4NKV 32/2-2 T	60180329
2NKV 32/2-2 T	60180281	3NKV 32/2-2 T	60180301	4NKV 32/2 T	60180330
2NKV 32/2 T	60180282	3NKV 32/2 T	60180302	4NKV 32/3-2 T	60180331
2NKV 32/3-2 T	60180283	3NKV 32/3-2 T	60180303	4NKV 32/3 T	60169830
2NKV 32/3 T	60169728	3NKV 32/3 T	60169783	4NKV 32/4-2 T	60169831
2NKV 32/4-2 T	60169729	3NKV 32/4-2 T	60169784	4NKV 32/4 T	60169837
2NKV 32/4 T	60169730	3NKV 32/4 T	60169785	4NKV 32/5-2 T	60169838
2NKV 32/5-2 T	60169731	3NKV 32/5-2 T	60169786	4NKV 32/5 T	60169839
2NKV 32/5 T	60169732	3NKV 32/5 T	60169787	4NKV 32/6-2 T	60169840
2NKV 32/6-2 T	60169733	3NKV 32/6-2 T	60169788	4NKV 32/6 T	60169841
2NKV 32/6 T	60169734	3NKV 32/6 T	60169789	4NKV 45/2-2 T	60180332
2NKV 45/2-2 T	60180284	3NKV 45/2-2 T	60180304	4NKV 45/2 T	60169842
2NKV 45/2 T	60169735	3NKV 45/2 T	60169790	4NKV 45/3-2 T	60169843
2NKV 45/3-2 T	60169736	3NKV 45/3-2 T	60169792	4NKV 45/3 T	60169844
2NKV 45/3 T	60169737	3NKV 45/3 T	60169793	4NKV 45/4-2 T	60169845
2NKV 45/4-2 T	60169738	3NKV 45/4-2 T	60169794	4NKV 45/4 T	60169846
2NKV 45/4 T	60169739	3NKV 45/4 T	60169795	4NKV 45/5-2 T	60169847
2NKV 45/5-2 T	60169740	3NKV 45/5-2 T	60169796	4NKV 45/5 T	60169848
2NKV 45/5 T	60169741	3NKV 45/5 T	60169797	4NKV 45/6-2 T	60169849
2NKV 45/6-2 T	60169743	3NKV 45/6-2 T	60169798	4NKV 45/6 T	60169850
2NKV 45/6 T	60169744	3NKV 45/6 T	60169799		

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 multi-stage 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 IP54 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.

Electric pump voltage 400V three phase.

Power frequency 50 Hz.

Installation vertical only.

Operating range from 4 to 280 m³/h.

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



MODEL	CODE	ELECTRICAL DATA			Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		DNA	DNM	
			kW X 2	HP X 2			
2NKV 10/5 T S EBOX 400/50	60180333	3x400 V	2x1,5	2x2	2" 1/2	2" 1/2	238
2NKV 10/6 T S EBOX 400/50	60180334	3x400 V	2x2,2	2x3	2" 1/2	2" 1/2	239
2NKV 10/7 T S EBOX 400/50	60180335	3x400 V	2x2,2	2x3	2" 1/2	2" 1/2	259
2NKV 10/8 T S EBOX 400/50	60180336	3x400 V	2x3	2x4	2" 1/2	2" 1/2	261
2NKV 10/9 T S EBOX 400/50	60180337	3x400 V	2x3	2x4	2" 1/2	2" 1/2	263
2NKV 10/10 T S EBOX 400/50	60180338	3x400 V	2x4	2x5,5	2" 1/2	2" 1/2	282
2NKV 10/12 T S EBOX 400/50	60180339	3x400 V	2x4	2x5,5	2" 1/2	2" 1/2	286
2NKV 10/15 T S EBOX 400/50	60180340	3x400 V	2x5,5	2x7,5	2" 1/2	2" 1/2	342
2NKV 15/4 T S EBOX 400/50	60207810	3x400 V	2x4	2x5,5	100	80	280
2NKV 15/5 T S EBOX 400/50	60180343	3x400 V	2x4	2x5,5	100	80	285
2NKV 15/6 T S EBOX 400/50	60180344	3x400 V	2x5,5	2x7,5	100	80	374
2NKV 15/7 T S EBOX 400/50	60180345	3x400 V	2x5,5	2x7,5	100	80	377
2NKV 20/3 T S EBOX 400/50	60180346	3x400 V	2x3	2x4	100	80	284
2NKV 20/4 T S EBOX 400/50	60180348	3x400 V	2x4	2x5,5	100	80	364
2NKV 20/5 T S EBOX 400/50	60180349	3x400 V	2x5,5	2x7,5	100	80	366

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 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.

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: IP55, 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 in the PS versions

Line voltage 400V three phase.

Electric pump voltage 400V three phase.

Power frequency 50-60 Hz.

Installation vertical only.

Operating range 4 to 720 m³/h.

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

2 K, 2 NKP-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

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
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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

2, 3 KVC - AD PLUS

VARIABLE SPEED BOOSTER SETS WITH ACTIVE DRIVER PLUS



2, 3 KVC - AD Plus are **variable speed booster sets** with 2 or 3 vertical multistage centrifugal pumps particularly suitable for domestic, small civil or industrial use.

Thanks to the use of the Active Driver Plus variable frequency drive, they guarantee performance that automatically adapts to different system requirements by meeting the **constant pressure** demands of modern system technology.

Constant pressure control is used in a wide variety of sectors: Aqueducts - Irrigation - Industry - Hotels - Housing - Spas.

Highly reliable, easy to operate and low maintenance.

Construction features - main components:

- 2 to 3 KVC vertical multistage electric pumps.
- Galvanised sheet metal base complete with 4 rubber anti-vibration feet.
- Suction and delivery manifolds in stainless steel.
- Active Driver Plus variable frequency drive on the delivery side of each pump.
- 1 8-litre expansion tank per set (for 18-litre size 85/120).
- 1 protection panel.

Operating range 0.5 to 36 m³/h

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range
0 °C to +40 °C.

Maximum ambient temperature +40 °C

Maximum working pressure PN12 (12 bar).

Protection degree IP55

Special designs on request up to 4 pumps on request, unlisted voltages and/or frequencies.

Up to 4 pumps on request

All domestic sets with Active Driver Plus include 1 8-litre expansion tank and AISI 304 stainless steel delivery and suction manifolds.



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2 KVC - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m ³ /h	H m	A	M	
			KW X 2	HP X 2					
2 KVC A.D. 30/50 M / T	60122650	1 X 230 V ~	0.75	1	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 ~	1	1.3	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 ~	1.5	2	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

2, 3 KVC - AD PLUS

VARIABLE SPEED BOOSTER SETS WITH ACTIVE DRIVER PLUS



3 KVC - AD PLUS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m³/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⁾ On request with 3x400 V three-phase supply without neutral.

The set comes assembled and tested, in a sturdy cardboard box with wooden pallet and instruction sheet with circuit diagram.

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

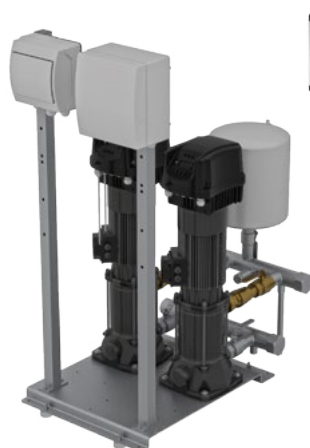
BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

2, 3 KVCXE - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SETS WITH MCE-P AND DCONNECT



DConnect included

Booster sets with 2 or 3 KVCX pumps with MCE-P variable frequency drive and DConnect Box installed as standard. Designed for pressurization in civil and commercial installations and for agricultural irrigation. The use of vertical multi-impeller pumps limits the footprint. One expansion tank per set. Galvanised sheet metal base with rubber anti-vibration feet. Galvanised steel suction and delivery manifolds. Suction non-return valves for each pump.

DConnect Box included as standard, installed in an IP65 panel. The DConnect cloud service can be managed from the internetofpumps.com website or from the DConnect app (Android or iOS), where you can control the installations remotely and receive alarms in real time through an extremely functional and clear user interface.

Operating range

0.5 to 36 m³/h with head up to 112 metres.

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range

0 °C to +40 °C.

Maximum ambient temperature +40°C.

Maximum working pressure

12 bar / 1200 kPa.

Protection degree

IP55.

Special designs on request

Different voltages or frequencies, models with up to four pumps.



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MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA		Ø		WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		Q m ³ /h	H m	A	M	
			kW	HP					
2KVCXE 45/80 T+N MCE/P DCONNECT	60198586	3X400V ~+N	2x1.1	2x1.5	0,7-9,6-18	65-53-21	2"	2"	148.6
2KVCXE 35/120 T+N MCE/P DCONNECT	60198587	3X400V ~+N	2x1.1	2x1.5	1,2-12-24	46-37-12	2"	2"	148.5
2KVCXE 45/120 T+N MCE/P DCONNECT	60198588	3X400V ~+N	2x1.85	2x2.5	1,2-12-24	62-52-17	2"	2"	148.7
2KVCXE 60/120 T MCE/P DCONNECT	60198589	3X400V ~	2x2.2	2x3	1,2-12-24	78-63-25	2"	2"	148.7
3KVCXE 45/120 T+N MCE/P DCONNECT	60198591	3X400V ~+N	3x1.85	3x2.5	1,2-18-36	62-52-17	2"½	2"½	168.5
3KVCXE 60/120 T MCE/P DCONNECT	60198592	3X400V ~	3x2.2	3x3	1,2-18-36	78-63-25	2"½	2"½	169.5

2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED BOOSTER SETS WITH MCE



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



Booster sets with MCE-P variable frequency drive for pressurization in civil and commercial installations and for irrigation. Made up of 2, 3 or 4 NKV multistage pumps with MCE-P variable frequency drive and one expansion tank per pump installed as standard. Models with NKV 10 S, 15 S, 20 S have liquid contact parts in AISI 304 stainless steel. Models with NKV 32 and NKV 45 have a cathophoresis treated cast iron pump body and AISI 304 stainless steel impellers, diffusers and pump liner. MCE-P variable frequency drives installed on board the pump enable constant pressure. There is a protection panel and a pressure transmitter for each set, and a delivery non-return valve for each pump. Suction and delivery manifolds in AISI 304 stainless steel. X version can be fitted with AISI 316 stainless steel water contact parts on request. The sets are delivered assembled, set up and tested at the factory. Pumps coupled via rigid coupling to energy-efficient IE3 electric motors. Remote control is possible thanks to the DConnect service (DConnect Box supplied separately). Remote control is possible thanks to the DConnect service (DConnect Box supplied separately).

Operating range

0.5 to 280 m³/h head up to 140 m.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range 0°C to +120°C (80°C with expansion vessel installed).

Maximum ambient temperature +50°C

Maximum working pressure 16 bar / 1600 kPa.

Protection degree IP55

Special designs on request Yes, different voltages or frequencies or support for particular liquids, sets of up to six pumps, **X version material in contact with water in AISI 316 steel.**

The sets are delivered assembled, set up and tested at the factory and complete with installation and maintenance instructions and test report.

Sets include 1 18-litre expansion tank for each pump and AISI 304 stainless steel delivery and suction manifolds.



MCE-P
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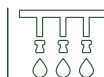
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2 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m ³ /h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			kW	HP							
2NKVE 10/5 S T MCE 400-50	60148092	3 X 400 V ~	2x1.5	2x2	2x3.8	26	5	4.0	2"½	2"½	186
2NKVE 10/6 S T MCE 400-50	60151474	3 X 400 V ~	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 ~	2x2.2	2x3	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

2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED BOOSTER SETS WITH MCE



2 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m ³ /h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			kW	HP							
2NKVE 20/3 S T MCE 400-50	60148107	3 X 400 V ~	2x3	2x4	2x7.1	58	4	3.5	100	80	228
2NKVE 20/4 S T MCE 400-50	60148108	3 X 400 V ~	2x4	2x5.5	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	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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED BOOSTER SETS WITH MCE



3 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m³/h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			KW	HP							
3NKVE 10/5 S T MCE 400-50	60148118	3X400V~	3x1.5	3x2	3x3.8	39	5	4.0	80	80	425
3NKVE 10/6 S T MCE 400-50	60148119	3X400V~	3x2.2	3x3	3x5.8	39	6	5.0	80	80	428
3NKVE 10/7 S T MCE 400-50	60148120	3X400V~	3x2.2	3x3	3x5.8	39	7	6	80	80	468
3NKVE 10/8 S T MCE 400-50	60148121	3X400V~	3x3	3x4	3x7.37	39	8	6.5	80	80	471
3NKVE 10/9 S T MCE 400-50	60148122	3X400V~	3x3	3x4	3x7.1	39	9	7.7	80	80	473
3NKVE 10/10 S T MCE 400-50	60148123	3X400V~	3x4	3x5.5	3x10.1	39	10	8.5	80	80	503
3NKVE 10/12 S T MCE 400-50	60148124	3X400V~	3x4	2x5.5	3x10.1	39	12	10	80	80	508
3NKVE 10/15 S T MCE 400-50	60148125	3X400V~	3x5.5	3x7.5	3x12.6	39	14	10	80	80	593
3NKVE 15/3 T MCE 400-50	60207731	3X400V~	3x2.2	3x3	3x5.8	72	4	3.5	125	100	486
3NKVE 15/4 T MCE 400-50	60207686	3X400V~	3x3	3x4	3x7.37	72	5	4	125	100	516
3NKVE 15/5 S T MCE 400-50	60148128	3X400V~	3x4	3x5.5	3x10.1	72	6.5	5	125	100	520
3NKVE 15/6 S T MCE 400-50	60148129	3X400V~	3x5.5	3x7.5	3x12.6	72	7.5	6.5	125	100	605
3NKVE 15/7 S T MCE 400-50	60148130	3X400V~	3x5.5	3x7.5	3x13.1	72	9	8	125	100	608
3NKVE 15/8 S T MCE 400-50	60148131	3X400V~	3x7.5	3x10	3x17	72	11	10	125	100	645
3NKVE 15/9 S T MCE 400-50	60148132	3X400V~	3x7.5	3x10	3x17.6	72	12	11	125	100	649
3NKVE 15/10 S T MCE 400-50	60148133	3X400V~	3x11	3x15	3x24.8	72	13	12	125	100	818
3NKVE 20/3 S T MCE 400-50	60148134	3X400V~	3x3	3x4	3x7.1	87	4	3.5	125	100	471
3NKVE 20/4 S T MCE 400-50	60148135	3X400V~	3x4	3x5.5	3x10.1	87	6	5	125	100	513
3NKVE 20/5 S T MCE 400-50	60148136	3X400V~	3x5.5	3x7.5	3x12.9	87	7	6	125	100	519
3NKVE 20/6 S T MCE 400-50	60148137	3X400V~	3x7.5	3x10	3x16.5	87	8.5	7.5	125	100	556
3NKVE 20/7 S T MCE 400-50	60148138	3X400V~	3x7.5	3x10	3x16.5	87	10	9	125	100	559
3NKVE 20/8 S T MCE 400-50	60148139	3X400V~	3x11	3x15	3x24.8	87	11.5	10	125	100	655
3NKVE 20/9 S T MCE 400-50	60148140	3X400V~	3x11	3x15	3x24.8	87	13	12	125	100	658
3NKVE 20/10 S T MCE 400-5	60148141	3X400V~	3x11	3x15	3x24.8	87	14	13	125	100	691
3NKVE 32/2 T MCE 400-50	60166819	3x400V~	3x5.5	3x7.5	3x12.6	135	4.8	4	150	125	714
3NKVE 32/3-2 T MCE 400-50	60166820	3x400V~	3x5.5	3x7.5	3x12.6	135	6	5	150	125	726
3NKVE 32/3 T MCE 400-50	60166821	3x400V~	3x7.5	3x10	3x16.5	135	7.3	6	150	125	759
3NKVE 32/4 T MCE 400-50	60166822	3x400V~	3x11	3x15	3x24.8	135	9.8	8	150	125	924
3NKVE 32/5-2 T MCE 400-50	60166823	3x400V~	3x11	3x15	3x24.8	135	10.9	9	150	125	936
3NKVE 32/5 T MCE 400-50	60166824	3x400V~	3x15	3x20	3x33.6	135	12.2	10	150	125	978
3NKVE 32/6 T MCE 400-50	60166825	3x400V~	3x15	3x20	3x33.6	135	14.6	12	150	125	990
3NKVE 45/2-2 T MCE 400-50	60166826	3x400V~	3x5.5	3x7.5	3x12.6	210	3.8	3	200	150	732
3NKVE 45/2 T MCE 400-50	60166827	3x400V~	3x7.5	3x10	3x16.5	210	4.8	4	200	150	765
3NKVE 45/3 T MCE 400-50	60166828	3x400V~	3x11	3x15	3x25.1	210	7.3	6.5	200	150	930
3NKVE 45/4 T MCE 400-50	60166829	3x400V~	3x15	3x20	3x33.6	210	9.7	8.5	200	150	984

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESY BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

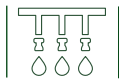
BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

2, 3, 4 NKVE 10, 15, 20, 32, 45 - MCE-P

VARIABLE SPEED BOOSTER SETS WITH MCE



4 NKVE 10, 15, 20, 32, 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m³/h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			KW	HP							
4NKVE 10/5 S T MCE 400-50	60163261	3X400V	4x1.5	4x2	4x4.9	52	5	4	100	80	327
4NKVE 10/6 S T MCE 400-50	60163262	3X400V	4x2.2	4x3	4x5.4	52	6	5	100	80	571
4NKVE 10/7 S T MCE 400-50	60163263	3X400V	4x2.2	4x3	4x5.8	52	7	6	100	80	624
4NKVE 10/8 S T MCE 400-50	60163264	3X400V	4x3	4x4	4x7.1	52	8	6.5	100	80	628
4NKVE 10/9 S T MCE 400-50	60163265	3X400V	4x3	4x4	4x7.1	52	9	7.7	100	80	631
4NKVE 10/10 S T MCE 400-50	60163266	3X400V	4x4	4x5.5	4x10.1	52	10	8.5	100	80	671
4NKVE 10/12 S T MCE 400-50	60163267	3X400V	4x4	4x5.5	4x10.1	52	12	10	100	80	678
4NKVE 15/3 T MCE 400-50	60207662	3X400V	4x2.2	4x3	4x5.8	96	4	3.5	150	125	648
4NKVE 15/4 T MCE 400-50	60207688	3X400V	4x3	4x4	4x7.1	96	5	4	150	125	688
4NKVE 15/5 S T MCE 400-50	60163270	3X400V	4x4	4x5.5	4x10.1	96	6.5	5	150	125	694
4NKVE 15/6 S T MCE 400-50	60163271	3X400V	4x5.5	4x7.5	4x12.6	96	7.5	6.5	150	125	807
4NKVE 15/7 S T MCE 400-50	60163272	3X400V	4x5.5	4x7.5	4x13.1	96	9	8	150	125	811
4NKVE 15/8 S T MCE 400-50	60163273	3X400V	4x7.5	4x10	4x17	96	11	10	150	125	860
4NKVE 15/9 S T MCE 400-50	60163274	3X400V	4x7.5	4x10	4x17.6	96	12	11	150	125	865
4NKVE 15/10 S T MCE 400-50	60163275	3X400V	4x11	4x15	4x24.8	96	13	12	150	125	919
4NKVE 20/3 S T MCE 400-50	60163276	3X400V	4x3	4x4	4x7.1	116	4	3.5	150	125	628
4NKVE 20/4 S T MCE 400-50	60163277	3X400V	4x4	4x5.5	4x10.1	116	6	5	150	125	684
4NKVE 20/5 S T MCE 400-50	60163278	3X400V	4x5.5	4x7.5	4x12.9	116	7	6	150	125	692
4NKVE 20/6 S T MCE 400-50	60163279	3X400V	4x7.5	4x10	4x16.5	116	8.5	7.5	150	125	741
4NKVE 20/7 S T MCE 400-50	60163280	3X400V	4x7.5	4x10	4x16.5	116	10	9	150	125	745
4NKVE 20/8 S T MCE 400-50	60163281	3X400V	4x11	4x15	4x24.8	116	11.5	10	150	125	873
4NKVE 20/9 S T MCE 400-50	60163282	3X400V	4x11	4x15	4x24.8	116	13	12	150	125	877
4NKVE 20/10 S T MCE 400-50	60163283	3X400V	4x11	4x15	4x24.8	116	14	13	150	125	921
4NKVE 32/2 T MCE 400-50	60166830	3x400V~	4x5.5	4x7.5	4x12.6	180	4.8	4	200	150	952
4NKVE 32/3-2 T MCE 400-50	60166831	3x400V~	4x5.5	4x7.5	4x12.6	180	6	5	200	150	968
4NKVE 32/3 T MCE 400-50	60166832	3x400V~	4x7.5	4x10	4x16.5	180	7.3	6	200	150	1012
4NKVE 32/4 T MCE 400-50	60166833	3x400V~	4x11	4x15	4x24.8	180	9.8	8	200	150	1232
4NKVE 32/5-2 T MCE 400-50	60166834	3x400V~	4x11	4x15	4x24.8	180	10.9	9	200	150	1248
4NKVE 32/5 T MCE 400-50	60166835	3x400V~	4x15	4x20	4x33.6	180	12.2	10	200	150	1304
4NKVE 32/6 T MCE 400-50	60166836	3x400V~	4x15	4x20	4x33.6	180	14.6	12	200	150	1320
4NKVE 45/2-2 T MCE 400-50	60166837	3x400V~	4x5.5	4x7.5	4x12.6	280	3.8	3	250	200	976
4NKVE 45/2 T MCE 400-50	60166838	3x400V~	4x7.5	4x10	4x16.5	280	4.8	4	250	200	1020
4NKVE 45/3 T MCE 400-50	60166839	3x400V~	4x11	4x15	4x25.1	280	7.3	6.5	250	200	1240
4NKVE 45/4 T MCE 400-50	60166840	3x400V~	4x15	4x20	4x33.6	280	9.7	8.5	250	200	1312

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

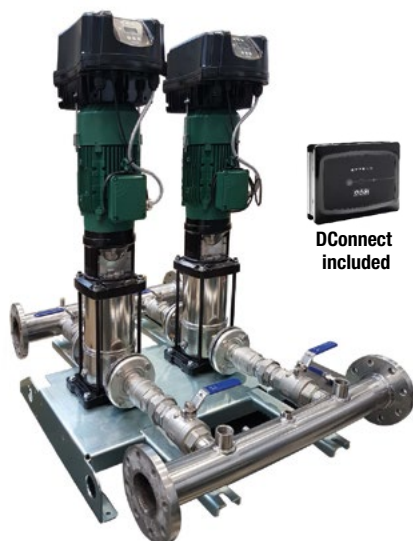
BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

2, 3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SETS WITH MCE AND DCONNECT



DConnect included

Booster sets with MCE-P variable frequency drive for pressurization in civil and commercial installations and for irrigation. Consisting of 2, 3 or 4 NKV multistage pumps with an MCE-P variable frequency drive and one expansion tank per pump installed as standard. The parts in models NKV 10 S, 15 S, 20 S that come into contact with the liquid are made of AISI 304 stainless steel. The pump body in models NKV 32 and NKV 45 is made of cataphoresis-treated cast iron, with impellers, diffusers and liner made of AISI 304 stainless steel. The MCE-P variable frequency drives installed on the pump allow for a constant pressure. There is a protection panel and a pressure transmitter for each set, and a delivery non-return valve for each pump. AISI 304 stainless steel suction and delivery manifolds. X version with parts in contact with water in AISI 316 stainless steel available on request. The sets are supplied assembled, set up and tested directly at the factory. Pumps coupled by a rigid coupling to IE3 energy-efficient electric motors. Remote control is possible thanks to the DConnect service.

DConnect Box included as standard.

Operating range

Up to 140 m³/h head up to 102 m

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Liquid temperature range 0°C to +120°C (80°C with expansion vessel installed).

Maximum ambient temperature +50°C.

Maximum working pressure 16 bar / 1600 kPa.

Protection degree IP55.

Special designs on request Yes, different voltages or frequencies or support for particular liquids, sets of up to six pumps, **X version material in contact with water in AISI 316 steel.**

The sets are delivered assembled, set up and tested at the factory and complete with installation and maintenance instructions and test report.

Sets include 1 18-litre expansion tank for each pump and AISI 304 stainless steel delivery and suction manifolds.



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2 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m ³ /h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			kW	HP							
2NKVE 10/6 T MCE 400 DCONNECT	60198186	3 X 400 V ~	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 ~	2x2.2	2x3	2x5.8	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 ~	2x4	2x5.5	2x10.1	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	2x16.5	90	7.3	6	125	100	506
2NKVE 45/3 T MCE 400 DCONNECT	60198256	3 x 400 V ~	2x11	2x15	2x25.1	140	7.3	6.5	150	125	620

2, 3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

VARIABLE SPEED BOOSTER SETS WITH MCE AND DCONNECT



3 NKVE 10, 15, 20, 32, 45 - MCE-P DCONNECT

MODEL	CODE	ELECTRICAL DATA				FLOW RATE m ³ /h	MAXIMUM ACHIEVABLE PRESSURE BAR	STANDARD PRESSURE	DNA	DNM	WEIGHT kg
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A						
			kW	HP							
3NKVE 10/9 T MCE 400 DCONNECT	60198290	3 X 400 V ~	3x3	3x4	3x7.1	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	3x12.6	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 ~	3x4	3x5.5	3x10.1	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	3x16.5	87	10	9	125	100	559
3NKVE 32/3 T MCE 400 DCONNECT	60198260	3 x 400 V ~	3x5.5	3x7.5	3x12.6	135	6	5	150	125	726

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

AQUATWIN TOP

PRESSURIZATION GROUP FOR RAINWATER RECOVERY SYSTEM



Pressurization group for systems management and reuse of rainwater with 2 centrifugal pumps type EUROINOX or JETINOX. Complete with water reserve tank up to 150L implemented in the system. For medium to large systems.

CONTROL PANEL

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.

Liquid temperature range from 0 °C to +40 °C.

Pumped liquid clean, free from solids.

Protection degree IP44.

Installation vertical only.

Maximum ambient temperature 40 °C.

Max pressure 5.5 bar.

Electric pump voltage 230 V single phase.

Frequency 50 Hz.

Line voltage 230 V single phase.

Pressure regulation range 3 to 5 bar.

Suction diameter (DNA) 1".

Delivery diameter (DNM) 1"1/2.

SINGLE-PHASE
MOTORS

P2

≥ 120 W

IE2

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA		Ø		WEIGHT Kg
		VOLTAGE 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q m³/h	H m	A	M	
				kW	HP						
AQUATWIN TOP 4050	60213077	1X230V~	1.11	0.85	1.15	4.8	0,6-9,6	57,6-19	1"	1"½	113
AQUATWIN TOP 4080	60213087	1X230V~	1.32	0.85	1.15	5.5	0,6-14,2	59-16,5	1"	1"½	115

ACCESSORIES BOOSTER SETS

BOOSTER SET ACCESSORIES

PRESSURE SETS

FLEXIBLE HOSE	DESCRIPTION	CODE
	FLEXIBLE HOSE 1 1/2" MF	002260316
	FLEXIBLE HOSE 2 1/2" MF 10B	60118994
ANTI-VIBRATION THREADED UNION	DESCRIPTION	CODE
	ANTI-VIBRATION THREADED UNION FF 2" - PN 16	002139107
	FF 2 1/2" PN16 ANTI-VIBRATION THREADED UNION	002139108
BALL VALVE	DESCRIPTION	CODE
	BALL VALVE MF 1" (FOR TANK MAINTENANCE)	002132054
PRESSURE SWITCH	DESCRIPTION	CODE
	PRESSURE SWITCH FOR DRY RUN PROTECTION	002717002
	MINIMUM PRESSURE SWITCH KIT (DRY RUN)	547120850
	OVERPRESSURE PRESSURE SWITCH KIT	547120860

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE


GROUNDWATER AND IRRIGATION


SWIMMING POOL PUMPS



FIRE FIGHTING


BOOSTER SET ACCESSORIES


PRESSURE SETS

FLOAT	DESCRIPTION	CODE
	FLOAT - 5 METRES	159260030
	FLOAT - 10 METRES	159260040

AIR INLET COUPLING KIT	DESCRIPTION	CODE
	1" AIR INLET COUPLING KIT	547120440
	1 ¼" AIR INLET COUPLING KIT	547120450
	1 ½" AIR INLET COUPLING KIT	547120460


TANK	DESCRIPTION	CODE
 <p>TANK WITH 5 YEARS OF GUARANTEE </p>	8-LITRE TANK G 10 BAR V	60141866
	18-LITRE TANK G 10 BAR V	60141867
	18-LITRE TANK G 16 BAR V	60141868

SWITCHING MODULE	DESCRIPTION	CODE
	SWITCHING MODULE SZ 3 (3 KVC AND 3KVCX)	002773493


PRESSURE TRANSMITTER	DESCRIPTION	CODE
	PRESSURE TRANSMITTER 16 BAR 2-pump sets with EBox panel.	60116837

BOOSTER SET ACCESSORIES

PRESSURE SETS

ANTI-VIBRATION THREADED UNION	DESCRIPTION	CODE
 <p>FF 2 1/2" PN16 Anti-vibration threaded union</p>	FF 2 1/2" PN16 ANTI-VIBRATION THREADED UNION	002139108
	DN80 PN16 ANTI-VIBRATION THREADED UNION	002139209
	DN100 PN16 ANTI-VIBRATION THREADED UNION	002139210
	DN125 PN16 ANTI-VIBRATION THREADED UNION	002139211
	DN150 PN16 ANTI-VIBRATION THREADED UNION	002139212
	DN200 PN16 ANTI-VIBRATION THREADED UNION	002139263
	DN250 PN16 ANTI-VIBRATION THREADED UNION	002139264
	DN300 PN16 ANTI-VIBRATION THREADED UNION	002139215

MINIMUM PRESSURE SWITCH KIT	DESCRIPTION	CODE
	MINIMUM PRESSURE SWITCH KIT (DRY RUN)	547120850

FOOT VALVE WITH FILTER	DESCRIPTION	CODE
 <p>DN 80 Foot valve with filter</p>	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

CONTENTS - END SUCTION, STANDARDISED AND MULTISTAGE VERTICAL PUMPS



K SINGLE-IMPELLER

SINGLE-IMPELLER CENTRIFUGAL ELECTRIC PUMPS

BO

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KDN OVERSIZE

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

BF

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K TWIN-IMPELLER

TWIN-IMPELLER CENTRIFUGAL ELECTRIC PUMPS

BP

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KVCE 30, 50, 80, 120 - MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS

BL

WITH
MCE-P

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KC, KCV

CENTRIFUGAL PUMPS FOR AIR CONDITIONING

BX

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KVC, KVCX

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH INTEGRAL SHAFT

BL - BM

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NKM-GE, NKP-GE - MCE-P

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR PRESSURIZATION SYSTEMS

BG

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WITH
MCE-P



NKVE 1, 3, 6, 10, 15, 20 - S MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS

FG - FH

WITH
MCE-P

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NKM-GE, NKP-GE - MCE-C

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS

BG

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WITH
MCE-C



NKVE 32, 45, 65, 95 - MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS

FI

WITH
MCE-P

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NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

BE

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NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING

FG - FH

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KDNE MCE-P

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS FOR PRESSURIZATION SYSTEMS

BC

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WITH
MCE-P



NKV 32, 45, 65, 95

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING

FI

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KDNE MCE-C

BASE-MOUNTED CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS

BC

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WITH
MCE-C



ACCESSORIES

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KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

BC

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K SINGLE-IMPELLER

SINGLE-IMPELLER CENTRIFUGAL ELECTRIC PUMPS



K 35/1200 T

Single-impeller centrifugal pump, suitable for domestic, civil, industrial and agricultural systems and for transfer, mixing and irrigation applications.

Cast iron pump body and motor support.

Technopolymer impeller.

Carbon/ceramic mechanical seal.

Asynchronous motor, enclosed and cooled by external ventilation.

Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version.

For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Operating range

1.8 to 96 m³/h with head up to 62 metres.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

-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.

-15°C to +110°C for other pumps.

Maximum ambient temperature +40°C.

Maximum working pressure

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).

Protection degree IP44.

Terminal board protection degree IP55.

Insulation class F.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	≥ 120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

K - SINGLE-IMPELLER CENTRIFUGES

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNA	DNM	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		I _n A	Q=m ³ /h	Q=l/min																		
				kW	HP			0	1.8	2.4	3.6	4.8	6	7.2	9	9.6	10.8	12	15	18						
K 20/41 M	60213245	1x230V	0.7	0.55	0.75	3.2	22	20.3	19.4	16.9	13.6	8.3									1" G	1" G	9	39		
K 20/41 T	60204037	3x230-400V~	0.64	0.47	0.64	2.7-1.5	22	20.3	19.4	16.9	13.6	8.3									1" G	1" G	9	39		
K 30/70 M	60212465	1x230V	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	15	27		
K 30/70 T	60179407	3x230-400V~	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	15	27		
K 30/100 M	60211559	1x230V	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	17	21		
K 30/100 T	60179858	3x230-400V~	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	20	21		
K 36/100 M	60211859	1x230V	1.94	1.8	2.45	8.8	34.9		34.8	34.6	34	33	32	29.8	29	26.5					1½" G	1" G	22	18		
K 36/100 T	60179861	3x230-400V~	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	18	21		
K 12/200 M	60212436	1x230V	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	15	30		
K 12/200 T	60179406	3x230-400V~	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	15	30		
K 36/200 T	60179375	3x230-400V~	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	31	18		
K 40/200 T	60179374	3x230-400V~	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	32	18		
K 55/200 T	60179853	3x230-400V~	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	36	18		

K SINGLE-IMPELLER

SINGLE-IMPELLER CENTRIFUGAL ELECTRIC PUMPS



MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA	DNM	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³/h	0	12	15	18	24	30	36	42	60	72	84	96					
				kW	HP		Q=l/min	0	200	250	300	400	500	600	700	1000	1200	1400	1600					
K 14/400 M	60211857	1x230V	2.02	1.4	1.9	9	H (m)	19	18.8	18.5	18	16.3	13.8	10						2" G	2" G	23	18	
K 14/400 T	60179855	3x230-400V~	1.9	1.85	2.5	6-3,5		19	18.8	18.5	18	16.3	13.8	10						2" G	2" G	21	21	
K 11/500 T	60179379	3x230-400V~	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	34	18	
K 18/500 T	60179380	3x230-400V~	3.7	3	4	11,4-6,6		31	30.7	30.4	30	28	24	17.9						2½" G	2" G	38	18	
K 28/500 T	60179882	3x230-400V~	4.6	3.7	5	14,2-8,2		35	34.5	34	32.8	29.3	25.2	20						2½" G	2" G	40	18	
K 40/400 T	60180172	3x400V~	6.7	5.5	7.5	11.7		50.5	49	48	45	37	24							65	50	78	6	
K 50/400 T	60167622	3x400V~	8.5	7.5	10	14.5		62	61	60	59	54.5	46							65	50	81	6	
K 30/800 T	60167623	3x400V~	8.2	7.5	10	14.4		44				42	40	38	35	21.5				80	65	88	6	
K 40/800 T	60167624	3x400V~	10.2	9.2	12.5	17.1		51.5				50	48	47	43.5	32.5	21			80	65	93	6	
K 50/800 T	60167625	3x400V~	12.7	11	15	21		58				56.5	55	53.5	51	41	31			80	65	102	6	
K 20/1200 T	60167626	3x400V~	8.3	7.5	10	14.3		37.5				36.5	36	35	34	30	26	21	15	80	65	86	6	
K 25/1200 T	60167627	3x400V~	9.4	9.2	12.5	16.2		40.7				39	38.5	38	37	33.5	30	25	18	80	65	90	6	
K 35/1200 T	60167628	3x400V~	11.8	11	15	20		45						43	42.5	38.5	35	31.5	27	80	65	98	6	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

K TWIN-IMPELLER

TWIN-IMPELLER CENTRIFUGAL ELECTRIC PUMPS



K 35/40 M



K 70/300 T

Twin-impeller centrifugal pump, suitable for booster sets in domestic, civil and industrial water systems.

Suitable for sprinkler irrigation and other general water supply applications. Cast iron pump body and motor support. Technopolymer impeller.

Stainless steel shaft.

Carbon/ceramic mechanical seal.

Asynchronous motor, enclosed and cooled by external ventilation.

Built-in thermo-ampere protection and permanently inserted capacitor for the single-phase version.

For the protection of the three-phase motor, we recommend the use of a motor protector in accordance with current standards.

Operating range

1.2 to 30 m³/h with head up to 97 metres.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

-10°C to +50°C for K 35/40, K 45/50, K 35/100, K 40/100, K 55/100.

-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 working pressure

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 degree IP 44.

Terminal board protection degree IP55.

Insulation class F.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	>= 120 W	IE2
		>= 0.75 kW < 75 kW	IE3				
		>= 75 kW	IE4				

K - TWIN-IMPELLER CENTRIFUGES

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA	DNM	WEIGHT KG	QTY PER PALLET			
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h																
				kW	HP		0	1.2	1.8	2.4	3.6	4.8	6	7.2	9	9.6					10.8		
K 35/40 M	60212464	1x230V	1.2	0.85	1.15	5.3	43.5	41.5	40	38	33	23.5								1" G	1" G	15	27
K 35/40 T	60179870	3x230-400V~	1.2	0.75	1	3,8-2,2	43.5	41.5	40	38	33	23.5								1" G	1" G	14	27
K 45/50 M	60211561	1x230V	1.93	1.1	1.5	8.7	51	49	47.5	46	42	37	30							1 1/4" G	1" G	22	21
K 45/50 T	60179854	3x230-400V~	1.8	1.1	1.5	7,2-4	51	49	47.5	46	42	37	30							1 1/4" G	1" G	21	21
K 45/50 M-P**	60211563	1x230V	1.93	1.1	1.5	8.7	51	49	47.5	46	42	37	30							1 1/4" G	1" G	22	21
K 55/50 M	60211896	1x230V	2.81	1.8	2.45	12.5	62	60	58	57	52	45	34							1 1/2" G	1" G	25	18
K 55/50 T	60179852	3x230-400V~	2.4	1.85	2.5	8,4-4,8	62	60	58	57	52	45	34							1 1/2" G	1" G	22	21
K 35/100 M	60211562	1x230V	1.59	1.1	1.5	7.1	38.5			37.5	36.5	35	32	28.5	18.5	17.5				1 1/2" G	1" G	20	21
K 35/100 T	60179877	3x230-400V~	1.6	1.1	1.5	6,5-3,5	38.5			37.5	36.5	35	32	28.5	18.5	17.5				1 1/2" G	1" G	20	21
K 40/100 M	60211862	1x230V	1.98	1.8	2.45	9	44			43.4	42.5	41	39	35.7	29	26	18.5			1 1/2" G	1" G	24	18
K 40/100 T	60179869	3x230-400V~	1.8	1.85	2.5	7,0-4	44			43.4	42.5	41	39	35.7	29	26	18.5			1 1/2" G	1" G	21	21
K 55/100 T	60179373	3x230-400V~	3.7	2.2	3	11,6-6,7	62			59.5	57	54.5	51	47	39	36				1 1/2" G	1" G	41	18
K 66/100 T	60179857	3x230-400V~	4.7	3	4	14,6-8,4	73			70	67.5	64	60.5	57	49	47				1 1/2" G	1" G	42	18
K 90/100 T	60179859	3x230-400V~	5.6	4	5.5	16,5-9,5	83.5			82	79.5	76.5	72.5	68	61	58				1 1/2" G	1" G	42	18

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA	DNM	WEIGHT KG	QTY PER PALLET			
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h																
				kW	HP		0	6	7.2	9	9.6	10.8	12	15	18	24					30		
K 70/300 T	60179381	3x400V~	6.9	5.5	7.5	12.9	76	74	73	72	71.5	70	69	65	60.5	43.5				2" G	1 1/4" G	70	6
K 80/300 T	60167629	3x400V~	9.1	7.5	10	15.2	95	93	92.2	91	90.5	90	89.5	87	82	68				2" G	1 1/4" G	75	6
K 70/400 T	60167630	3x400V~	9.2	9.2	12.5	15.5	86			84	83.2	82.5	82	79	76	65	47			2" G	1 1/4" G	83	6
K 80/400 T	60167631	3x400V~	10.8	11	15	18.5	97				95	94.5	94	92	89	80	64			2" G	1 1/4" G	90	6

** Electric pump equipped with manometer, pressure switch, power cable with plug and five-way connector for connection 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 degree IP55.

Insulation class

F (copper wire with class H insulation).

Special designs on request

Three-phase 230-400V/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

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=m ³ /h		Q=l/min								
							0	10	15	20	25	30	40	0			
KC 150 T	60180128	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	1.5	1260	3.1	3.51		16.8	15.7	15	14	11.8	9		2" m Victaulic	2" m Victaulic	16
KCV 250 T	60179377	3x230-400V~	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	3x230-400V~	3	2560	5.8	1.72		24.3		23.4	22.5	21.3	19.5	13.9	2" m Victaulic	2" m Victaulic	23

NKM-GE, NKP-GE - MCE-P

END SUCTION CENTRIFUGAL ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



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

- Water systems in homes and apartment blocks;
- Water systems for campsites and farms;
- Water supply systems from pits;
- Irrigation systems for greenhouses, gardens, agriculture;
- Industrial systems;
- Rainwater reuse systems;

Particularly versatile thanks to the use of the **MCE-P variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant pressure.

Pressure sensor supplied as standard.

Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges to DIN 2533 and DIN 2532 for DN 200.

Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes.

Pump shaft in AISI 304 stainless steel.

Sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Asynchronous, enclosed, externally-ventilated motor, B3/B5 mounting position, two-pole for NKP-GE and four-pole for NKM-GE.

Rotation speed 1450 - 2900 1/min.

Operating range

1 to 360 m³/h with head up to 72 metres.

Liquid temperature range

-10 °C to +80 °C.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40°C.

Maximum working pressure

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

Protection degree IP55.

Insulation class F.

Flanging PN 16 DIN 2533.

Special designs on request Pumps for liquids other than water. Other voltages and/or frequencies. Variable frequency drive modulation with 0-10V signal.



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NKM-GE, NKP-GE - MCE-P - 4 POLES - FOR PRESSURIZATION SYSTEMS

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A				
			kW	HP					
NKM-GE 40-250/245/A/BAQE/2,2/4 MCE30/P	60192059	3x400V	2.2	3	6.6	MCE30/P	65	40	89
NKM-GE40-250/260/A/BAQE/3/4 MCE30/P	60192060	3x400V	3	4	7.9	MCE30/P	65	40	98
NKM-GE50-250/263/A/BAQE/4/4 MCE30/P	60192061	3x400V	4	5.5	10	MCE30/P	65	50	105
NKM-GE65-250/263/A/BAQE/5,5/4MCE55/P	60192062	3x400V	5.5	7.5	13.4	MCE55/P	80	65	168
NKM-GE65-315/279/A/BAQE/7,5/4MCE110/P	60167386	3x400V	7.5	10	17.9	MCE110/P	80	65	195
NKM-GE65-315/309/A/BAQE/11/4 MCE110/P	60167387	3x400V	11	15	27.2	MCE110/P	80	65	263
NKM-GE80-250/240/A/BAQE/7,5/4MCE110/P	60167388	3x400V	7.5	10	17.9	MCE110/P	100	80	185
NKM-GE80-250/270/A/BAQE/11/4 MCE110/P	60167389	3x400V	11	15	27.2	MCE110/P	100	80	237
NKM-GE80-315/305/A/BAQE/15/4 MCE150/P	60167390	3x400V	15	20	36.5	MCE150/P	100	80	294
NKM-GE100-250/250/A/BAQE/11/4 MCE110/P	60167391	3x400V	11	15	27.2	MCE110/P	125	100	245
NKM-GE100-250/270/A/BAQE/15/4MCE150/P	60167392	3x400V	15	20	36.5	MCE150/P	125	100	268
NKM-GE125-250/243/A/BAQE/15/4 MCE150/P	60167393	3x400V	15	20	36.5	MCE150/P	150	125	305

NKM-GE, NKP-GE - MCE-P

END SUCTION CENTRIFUGAL ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE

**NKP-GE - MCE-P - 2 POLES - FOR PRESSURIZATION SYSTEMS**

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A				
			kW	HP					
NKP-GE32-125.1/125/A/BAQE/1.5/2 MCE11/P	60192063	1x230V	1.5	2	13.4	MCE11/P	50	32	56
NKP-GE 32-125.1/140/A/BAQE/2.2/2 MCE15/P	60192064	1x230V	2.2	3	18.5	MCE15/P	50	32	58
NKP-GE 32-125/130/A/BAQE/2.2/2 MCE15/P	60192065	1x230V	2.2	3	18.6	MCE15/P	50	32	58
NKP-GE 32-125/142/A/BAQE/3/2 MCE30/P	60192066	3x400V	3	4	7	MCE30/P	50	32	76
NKP-GE 32-160.1 155/A/BAQE/2.2/2 MCE15/P	60192067	1x230V	2.2	3	19.4	MCE15/P	50	32	53
NKP-GE 32-160.1 166/A/BAQE/3/2 MCE30/P	60192068	3x400V	3	4	6.7	MCE30/P	50	32	70
NKP-GE 32-160.1 177A/BAQE/4/2 MCE55/P	60192069	3x400V	4	5.5	8.5	MCE55/P	50	32	90.6
NKP-GE 32-160/151/A/BAQE/3/2 MCE30/P	60192070	3x400V	3	4	7.1	MCE30/P	50	32	70
NKP-GE 32-160/163/A/BAQE/4/2 MCE55/P	60192071	3x400V	4	5.5	8.9	MCE55/P	50	32	92
NKP-GE 32-160/177/A/BAQE/5,5/2MCE55/P	60192072	3x400V	5.5	7.5	12.7	MCE55/P	50	32	114
NKP-GE 32-200.1 188/A/BAQE/4/2 MCE55/P	60192073	3x400V	5.5	7.5	9.1	MCE30/P	50	32	92
NKP-GE32-200.1 205/A/BAQE/5,5/2 MCE55/P	60192074	3x400V	5.5	7.5	11.4	MCE55/P	50	32	114
NKP-GE 32-200/190/A/BAQE/5,5/2MCE55/P	60192075	3x400V	5.5	7.5	12.4	MCE55/P	50	32	126
NKP-GE 32-200/210/A/BAQE/7,5/2MCE55/P	60167394	3x400V	7.5	10	16.5	MCE110/P	50	32	135
NKP-GE 40-125/120/A/BAQE/2,2/2MCE22/P	60192076	1x230V	2.2	3	20.6	MCE22/P	65	40	74
NKP-GE 40-125/130/A/BAQE/3/2 MCE30/P	60192077	3x400V	3	4	7.2	MCE30/P	65	40	85
NKP-GE 40-125/139/A/BAQE/4/2 MCE55/P	60192078	3x400V	4	5.5	9.6	MCE55/P	65	40	107
NKP-GE 40-160/158/A/BAQE/5,5/2MCE55/P	60192079	3x400V	5.5	7.5	12.4	MCE55/P	65	40	119
NKP-GE40-160/172/A/BAQE/7,5/2MCE55/P	60167395	3x400V	7.5	10	16.5	MCE110/P	65	40	127
NKP-GE 40-200/210/A/BAQE/11/2 MCE110/P	60167396	3x400V	11	15	24.9	MCE110/P	65	40	207
NKP-GE40-250/230/A/BAQE/15/2 MCE150/P	60167397	3x400V	15	20	34.6	MCE150/P	65	40	220
NKP-GE 50-125/125/A/BAQE/4/2 MCE55/P	60192080	3x400V	4	5.5	9.8	MCE55/P	65	50	122
NKP-GE50-125/135/A/BAQE/5,5/2 MCE55/P	60192081	3x400V	5.5	7.5	12.6	MCE55/P	65	50	124
NKP-GE50-125/144/A/BAQE/7,5/2MCE55/P	60167398	3x400V	7.5	10	16.1	MCE55/P	65	50	133
NKP-GE50-160/153/A/BAQE/7,5/2MCE110/P	60167399	3x400V	7.5	10	17.4	MCE110/P	65	50	101
NKP-GE50-160/169/A/BAQE/11/2 MCE110/P	60167400	3x400V	11	15	24	MCE110/P	65	50	132
NKP-GE 50-200/200/A/BAQE/15/2 MCE150/P	60167401	3x400V	15	20	32.5	MCE150/P	65	50	216
NKP-GE 65-125/127/A/BAQE/5,5/2MCE55/P	60192082	3x400V	5.5	7.5	12.8	MCE55/P	80	65	122
NKP-GE65-125/137/A/BAQE/7,5/2MCE110/P	60167402	3x400V	7.5	10	17.4	MCE110/P	80	65	131
NKP-GE65-160/157/A/BAQE/11/2MCE110/P	60167403	3x400V	11	15	23.4	MCE110/P	80	65	202
NKP-GE65-160/173/A/BAQE/15/2MCE150/P	60167404	3x400V	15	20	33.5	MCE150/P	80	65	212
NKP-GE80-160/147-127/A/BAQE/11/2MCE110/P	60167405	3x400V	11	15	24.1	MCE110/P	100	80	215
NKP-GE 80-160/153/A/BAQE/15/2 MCE150/P	60167406	3x400V	15	20	32.6	MCE150/P	100	80	221

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-GE, NKP-GE - MCE-P

END SUCTION CENTRIFUGAL ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



SELECTION TABLES

NKM-GE - MCE-P - 4-POLES

> 1450 1/min

MODEL	P2 NOM.		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	
	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-GE 40-250/245/A/BAQE/2,2/4 MCE30/P	2.2	3	H (m)	20.6	20.5	20.1	19.2	17.8	16																						
NKM-GE40-250/260/A/BAQE/3/4 MCE30/P	3	4		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/5,5/4 MCE55/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-GE65-315/279/A/BAQE/7,5/4 MCE110/P	7.5	10		27							26	25.5	25	24.5	23.6	22.7	21.5	20.2	19												
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-GE80-250/240/A/BAQE/7,5/4 MCE110/P	7.5	10		20.4							20.3	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16									
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	20.9	20	19.8	18	16							
NKM-GE100-250/270/A/BAQE/15/4 MCE150/P	15	20		25.5											25.5	25.5	25.5	25.3	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	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-GE, NKP-GE - MCE-P

END SUCTION CENTRIFUGAL ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



NKP-GE - MCE-P - 2-POLES

> 2900 1/min

MODEL	P2 NOM.		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		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 32-160.1 155/A/BAQE/2.2/2 MCE15/P	2.2	3		29.2	29	26.5	20.5																		
NKP-GE 32-160.1 166/A/BAQE/3/2 MCE30/P	3	4		35.3	35	33	28																		
NKP-GE 32-160.1 177A/BAQE/4/2 MCE55/P	4	5.5		42.7	43.4	42.6	38.5	33.9																	
NKP-GE 32-160/151/A/BAQE/3/2 MCE30/P	3	4		30.5	30	29	27	24	19.5																
NKP-GE 32-160/163/A/BAQE/4/2 MCE55/P	4	5.5		36.2	36	35	33.5	30.5	27	22															
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-GE 32-200.1 188/A/BAQE/4/2 MCE55/P	5.5	7.5		45.3	44.4	40.8	34.4	26.8																	
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	H (m)	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-GE 50-125/125/A/BAQE/4/2 MCE55/P	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						
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-GE50-160/153/A/BAQE/7.5/2MCE110/P	7.5	10		31.9				31.5	31.5	31.5	31.2	31	30.5	29.5	28.5	27.5	26	25	23.5						
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	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
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NKM-GE, NKP-GE - MCE-C

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS



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

- Hot water circulation for heating;
- Cold water circulation for air conditioning;
- Cold water circulation for refrigeration.

Particularly versatile thanks to the use of the **MCE-C variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant differential pressures.

Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges to DIN 2533 and DIN 2532 for DN 200.

Cast iron impeller, closed and dynamically balanced with axial thrust compensation via holes.

Pump shaft in AISI 304 stainless steel.

Sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Asynchronous, enclosed, externally-ventilated motor, B3/B5 mounting position, two-pole for NKP-GE and four-pole for NKM-GE.

Rotation speed 1450 - 2900 1/min.

Operating range

1 To 420 m³/h with head up to 72 metres.

Liquid temperature range

-10 °C to +140 °C.

Pumped liquid clean free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40°C.

Maximum working pressure

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

Protection degree IP55.

Insulation class F.

Flanging PN 16 DIN 2533.

Special designs on request Pumps for liquids other than water. Other voltages and/or frequencies. Variable frequency drive modulation with 0-10V signal.



MCE-C
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SELECTION
TABLE
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ACCESSORIES
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NKM-GE, NKP-GE - MCE-C - 4 POLES - FOR CIRCULATING SYSTEMS

MODEL	FLANGE DIMENSIONS (mm)		POWER SUPPLY 50/60 Hz - 1x230 ~ V						POWER SUPPLY 50 Hz - 3x400 ~ V					
			CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
	DNA	DNM			kW	HP					kW	HP		
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	0.5	5.5	39	-	-	-	-	-	-
NKM-GE 32-160.1/169	50	32	60206460	MCE11/C	0.37	0.5	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	1.1	1.5	10.4	66	60192104	MCE30/C	1.1	1.5	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	9.9	54	60192105	MCE30/C	0.75	1	2.7	56.6
NKM-GE 40-200/219	65	40	60192247	MCE11/C	1.5	2	13.9	70	60192107	MCE30/C	1.5	2	4.5	72.6
NKM-GE 40-250/260	65	40	-	-	-	-	-	-	60192248	MCE30/C	3	4	7.2	98
NKM-GE 50-125/141	65	50	60192249	MCE11/C	0.75	1	9.7	55	60192108	MCE30/C	0.75	1	t.b.d.	57.6
NKM-GE 50-160/177	65	50	60192250	MCE15/C	1.5	2	13.7	64	60192106	MCE30/C	1.5	2	4.4	66.6
NKM-GE 50-200/219	65	50	-	-	-	-	-	-	60192251	MCE30/C	3	4	6.7	90
NKM-GE 50-250/263	65	50	-	-	-	-	-	-	60192252	MCE30/C	4	5.5	9.4	105
NKM-GE 65-125/144	80	65	60192253	MCE11/C	1.1	1.5	10.9	65	60192109	MCE30/C	1.1	1.5	t.b.d.	67.6
NKM-GE 65-160/153	80	65	60192254	MCE11/C	1.1	1.5	11.2	67	60192110	MCE30/C	1.1	1.5	3.5	69.6
NKM-GE 65-160/177	80	65	60192255	MCE22/C	2.2	3	17.3	80	60192111	MCE30/C	2.2	3	5.8	82.6
NKM-GE 65-200/210	80	65	-	-	-	-	-	-	60192256	MCE30/C	3	4	7.8	97
NKM-GE 65-200/219	80	65	-	-	-	-	-	-	60192257	MCE55/C	4	5.5	10.3	105
NKM-GE 65-250/263	80	65	-	-	-	-	-	-	60192258	MCE55/C	5.5	7.5	12.7	168
NKM-GE 65-315/309	80	65	-	-	-	-	-	-	60167494	MCE110/C	11	15	26.6	263
NKM-GE 80-160/163	100	80	-	-	-	-	-	-	60192262	MCE22/C	2.2	3	19.6	87
NKM-GE 80-160/163	100	80	-	-	-	-	-	-	60192112	MCE30/C	2.2	3	t.b.d.	89.6
NKM-GE 80-160/177	100	80	-	-	-	-	-	-	60192263	MCE30/C	3	4	7.6	96
NKM-GE 80-200/222	100	80	-	-	-	-	-	-	60192264	MCE55/C	5.5	7.5	12.9	156
NKM-GE 80-250/270	100	80	-	-	-	-	-	-	60167495	MCE110/C	11	15	24.4	237
NKM-GE 80-315/305	100	80	-	-	-	-	-	-	60167496	MCE150/C	15	20	34.7	294
NKM-GE 100-200/200	125	100	-	-	-	-	-	-	60192265	MCE55/C	5.5	7.5	13.7	169
NKM-GE 100-200/214	125	100	-	-	-	-	-	-	60167497	MCE110/C	7.5	10	17.7	181
NKM-GE 100-250/250	125	100	-	-	-	-	-	-	60167498	MCE110/C	11	15	26	245
NKM-GE 100-250/270	125	100	-	-	-	-	-	-	60167499	MCE150/C	15	20	33.2	268
NKM-GE 125-250/243	150	125	-	-	-	-	-	-	60167501	MCE150/C	15	20	36.7	305
NKM-GE 150-200/218	200	150	-	-	-	-	-	-	60167502	MCE110/C	11	15	27.8	406

NKM-GE, NKP-GE - MCE-C

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS



NKP-GE - MCE-C - 2 POLES - FOR CIRCULATING SYSTEMS

MODEL	FLANGE DIMENSIONS (mm)		POWER SUPPLY 50/60 Hz - 1x230 ~ V						POWER SUPPLY 50 Hz - 3x400 ~ V					
			CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		In A	WEIGHT (kg)
	DNA	DNM			kW	HP					kW	HP		
NKP-GE 32-125.1/115	50	32	60192113	MCE11/C	1.1	1.5	10.9	51	60192134	MCE30/C	1.1	1.5	t.b.d.	53.6
NKP-GE 32-125.1/125	50	32	60192114	MCE11/C	1.5	2	14.7	56	60192135	MCE30/C	1.5	2	t.b.d.	58.6
NKP-GE 32-125.1/140	50	32	60192115	MCE15/C	2.2	3	19.9	58	60192136	MCE30/C	2.2	3	5.6	60.6
NKP-GE 32-125/110	50	32	60192116	MCE11/C	1.1	1.5	13.7	44	60192137	MCE30/C	1.1	1.5	t.b.d.	46.6
NKP-GE 32-125/120	50	32	60192117	MCE11/C	1.5	2	17.9	56	60192138	MCE30/C	1.5	2	4.1	58.6
NKP-GE 32-125/130	50	32	60192118	MCE15/C	2.2	3	24.3	58	60192139	MCE30/C	2.2	3	t.b.d.	60.6
NKP-GE 32-125/142	50	32	-	-	-	-	-	-	60192119	MCE30/C	3	4	7	76
NKP-GE 32-160.1/166	50	32	-	-	-	-	-	-	60192120	MCE30/C	3	4	6.7	70
NKP-GE 32-160.1/177	50	32	-	-	-	-	-	-	60192121	MCE55/C	4	5.5	8.5	90.6
NKP-GE 32-160/151	50	32	-	-	-	-	-	-	60192123	MCE30/C	3	4	7.1	70
NKP-GE 32-160/177	50	32	-	-	-	-	-	-	60192124	MCE55/C	5.5	7.5	12.7	114
NKP-GE 32-200.1/205	50	32	-	-	-	-	-	-	60192125	MCE55/C	5.5	7.5	11.4	114
NKP-GE 32-200/190	50	32	-	-	-	-	-	-	60192126	MCE55/C	5.5	7.5	12.3	126
NKP-GE 32-200/210	50	32	-	-	-	-	-	-	60167568	MCE110/C	7.5	10	17.1	135
NKP-GE 40-125/107	65	40	60192127	MCE11/C	1.5	2	14.7	61	60192140	MCE30/C	1.5	2	t.b.d.	63.6
NKP-GE 40-125/120	65	40	60192128	MCE22/C	2.2	3	19.9	74	60192141	MCE30/C	2.2	3	t.b.d.	76.6
NKP-GE 40-125/130	65	40	-	-	-	-	-	-	60192129	MCE30/C	3	4	7.2	85
NKP-GE 40-125/139	65	40	-	-	-	-	-	-	60192130	MCE55/C	4	5.5	9.6	107
NKP-GE 40-160/158	65	40	-	-	-	-	-	-	60192122	MCE55/C	5.5	7.5	12.4	119
NKP-GE 40-160/172	65	40	-	-	-	-	-	-	60167569	MCE110/C	7.5	10	17.1	127
NKP-GE 40-200/210	65	40	-	-	-	-	-	-	60167570	MCE110/C	11	15	24.9	207
NKP-GE 40-250/230	65	40	-	-	-	-	-	-	60167571	MCE150/C	15	20	34.5	220
NKP-GE 50-125/115	65	50	-	-	-	-	-	-	60192131	MCE30/C	3	4	7.2	87
NKP-GE 50-125/135	65	50	-	-	-	-	-	-	60192132	MCE55/C	5.5	7.5	12.6	124
NKP-GE 50-125/144	65	50	-	-	-	-	-	-	60167572	MCE110/C	7.5	10	17.1	133
NKP-GE 50-160/169	65	50	-	-	-	-	-	-	60167573	MCE110/C	11	15	24	132
NKP-GE 50-200/200	65	50	-	-	-	-	-	-	60167574	MCE150/C	15	20	32.5	216
NKP-GE 65-125/127	80	65	-	-	-	-	-	-	60192133	MCE55/C	5.5	7.5	12.8	122
NKP-GE 65-125/137	80	65	-	-	-	-	-	-	60167575	MCE110/C	7.5	10	17.4	131
NKP-GE 65-160/157	80	65	-	-	-	-	-	-	60167576	MCE110/C	11	15	23.4	202
NKP-GE 65-160/173	80	65	-	-	-	-	-	-	60167577	MCE150/C	15	20	33.5	212
NKP-GE 80-160/147-127	100	80	-	-	-	-	-	-	60167578	MCE110/C	11	15	24.1	215
NKP-GE 80-160/153	100	80	-	-	-	-	-	-	60167579	MCE150/C	15	20	32.6	221

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-GE, NKP-GE - MCE-C

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS



SELECTION TABLES

NKM-GE - MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m³/h) (L/min)	H (m)																														
		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		
NKM-GE 32-125.1/140	6.2	5.8	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 32-125/142	7	6.75	5.85	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 32-160.1/169	8.9	8.2	4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 32-160/169	9.4	9	7.9	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 32-200.1/200	12.7	11.2	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 32-200/219	16	15.4	14.3	12.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 40-125/142	6.6	6.5	6.2	5.7	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 40-160/166	9.2	9.2	9	8.4	7.4	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 40-200/219	15.6	15.6	15.3	14.7	13.4	11.8	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 40-250/260	23.1	23.1	22.8	22.2	20.8	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 50-125/141	6.5	-	6.3	6.1	5.8	5.5	5	4.5	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 50-160/177	10.7	-	10.7	10.7	10.5	10.2	9.8	9.2	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 50-200/219	16.8	-	16.8	16.5	16.1	15.5	14.6	13.6	12.4	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 50-250/263	23.8	-	23.8	23.8	23.4	22.7	21.6	20.4	19	17.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 65-125/144	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	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	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	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	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	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	34.2	-	-	-	-	-	-	33.2	33	32.5	32	31.5	30.7	29.8	29	28	25	21.7	-	-	-	-	-	-	-	-	-	-	-	-		
NKM-GE 80-160/163	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	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	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	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	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	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	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	21.1	-	-	-	-	-	-	-	-	-	21	21	21	21	21	21	20.9	20	19.8	18	16	-	-	-	-	-	-	-	-	-		
NKM-GE 100-250/270	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	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	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.1	13	13	12.8	12.5	12.1	11.5	11	10.4	9.7	9	8	7

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-GE, NKP-GE - MCE-C

END SUCTION CENTRIFUGAL ELECTRIC PUMPS FOR CIRCULATING SYSTEMS



SELECTION TABLES

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		17.2	17	15	12.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125.1/125		21	20.8	19	16.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125.1/140		27	26.9	25.9	23	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125/110		15.8	15.2	14.5	12.9	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125/120		19.3	18.9	18.2	16.8	14.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125/130		23.6	23.1	23	21.6	19.6	16.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-125/142		28.6	28	27.6	26.5	24.6	21.8	17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-160.1/166		35.3	35	33	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-160.1/177		42.7	43.4	42.6	38.5	33.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-160/151		30.5	30	29	27	24	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-160/177		43.5	43.2	42.6	41.5	39	36	31.5	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-200.1/205		56.6	55.7	52	45.8	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-200/190		46.9	46.5	45	43	40	35	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 32-200/210		58.8	58	57	56	53	49	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-125/107		14.7	14.5	14.3	13.8	13	11.8	10.5	8.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-125/120		19	18.7	18.4	17.8	17	15.9	14.6	13	11	-	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-125/130	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		26.4	26.2	26	25.6	25	24	23	21.5	19.5	17.5	15	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-160/158		33.7	-	-	34	33.4	32.4	31	29.5	27	24	-	-	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-160/172		40.7	-	-	40.2	40.1	39.8	38.5	37.5	35.5	33	30	26.5	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-200/210		57.1	57	57	56.8	56.5	56	55	53	50	47	43.5	39	-	-	-	-	-	-	-	-	-	-
NKP-GE 40-250/230		72.5	-	-	72.5	72	70	68	66	62.5	60	56	51.5	-	-	-	-	-	-	-	-	-	-
NKP-GE 50-125/115		17	-	-	-	16.5	16	15.5	15	14.5	13.7	13	12	11	10	9	-	-	-	-	-	-	-
NKP-GE 50-125/135		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		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		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		55.1	-	-	-	54.7	54.6	54	53.5	52	51	49	47.5	45.5	43	41	-	-	-	-	-	-	-
NKP-GE 65-125/127		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		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		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		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		24	-	-	-	-	-	-	-	-	-	-	-	-	-	22	21.4	20.4	20	17.4	16.8	12	-
NKP-GE 80-160/153		30.5	-	-	-	-	-	-	-	-	-	-	-	-	-	29	28.4	27.5	27	24.5	21.3	18.3	-

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



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

- water supply;
- circulation of hot water for heating;
- circulation of cold water for air conditioning and refrigeration;
- liquid transfer in agriculture, horticulture and industry;
- implementation of pumping sets.

Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron support, flanges to DIN 2533 and DIN 2532 for DN 200.

Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes.

Pump shaft in AISI 304 stainless steel.

Sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Asynchronous, enclosed, externally-ventilated motor, B3/B5 mounting position, two-pole for NKP and four-pole for NKM.

To protect the motor, we recommend the use of a motor protector in accordance with current standards.

Rotation speed 1450 - 2900 1/min.

Operating range

1 to 420 m³/h with head up to 100 metres.

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

-10 °C to +140 °C.

Maximum ambient temperature +40°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.

Special designs 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

ACCESSORIES
PAGE 277

NKM-G - END SUCTION STANDARDISED - 4-POLES

CAST IRON IMPELLER
> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNA	DNM	WEIGHT KG								
		POWER SUPPLY 50 Hz	P2 NOMINAL		In (A)		Q=m ³ /h	0	6	12	18	24	30	36				Q=l/min	0	100	200	300	400	500	600
			kW	HP	230V	400V	0	6	12	18	24	30	36												
NKM-G 32-125.1/140/A/BAQE/0.25/4	1D1K11BXC	3x230-400V~	0.25	0.33	1.56	0.9	H (m)	6.2	5.8	4.2					50	32	32.8								
NKM-G 32-125/142/A/BAQE/0.37/4	1D1111B1C	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	0.55	0.75	2.6	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	3x230-400V~	0.55	0.75	2.6	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	3	4	-	6.8		23.3	23.1	22.8	22.2	20.8	19		65	40	59								

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKM-G - END SUCTION STANDARDISED - 4-POLES****CAST IRON IMPELLER****> 1450 1/min**

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNA	DNM	WEIGHT KG					
		POWER SUPPLY 50 Hz	P2 NOMIN.		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	3x230-400V~	0.55	0.75	2.6	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	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	3x400V~	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	3x230-400V~	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	3x230-400V~	1.1	1.5	4.33	2.5	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



NKM-G - END SUCTION STANDARDISED - 4-POLES

CAST IRON IMPELLER
> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																	DNA	DNM	WEIGHT KG					
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x230-400V~	1.5	2	6.24	3.6	H(m)	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 80-160/153-136/A/BAQE/1.5/4	1D5211B6W	3x230-400V~	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	3x400V~	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	3x400V~	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	3x400V~	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 80-200/222/A/BAQE/5,5/4	1D5411BAX	3x400V~	7.5	10	-	14.4		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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	WEIGHT KG					
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x400V~	5.5	7.5	10.6	H(m)	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-G100-200/200/A/BAQE/5,5/4	1D6311BAX	3x400V~	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	3x400V~	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	3x400V~	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/A/BAQE/18,5/4	1D6511BDX	3x400V~	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	3x400V~	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	WEIGHT KG					
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x400V~	15	20	30.5	H(m)	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	3x400V~	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/A/BAQE/22/4	1D7411BEX	3x400V~	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	3x400V~	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

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKM-G - END SUCTION STANDARDISED - 4-POLES****BRONZE IMPELLER**
> 1450 1/min

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA								DNA	DNM	WEIGHT KG
		POWER SUPPLY 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	3x230-400V~	0.25	0.33	1.56	0.9	H(m)	6.2	5.8	4.2					50	32	32.8	
NKM-G 32-125/142/B/BAQE/0.37/4	1D1121B1C	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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/B/BAQE/0.55/4	1D2121B2C	3x230-400V~	0.55	0.75	2.6	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	3x230-400V~	0.55	0.75	2.6	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	3	4	-	6.8		23.3	23.1	22.8	22.2	20.8	19		65	40	59	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKM-G - END SUCTION STANDARDISED - 4-POLES****BRONZE IMPELLER**
> 1450 1/min

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNA	DNM	WEIGHT KG							
		POWER SUPPLY 50 Hz	P2 NOMIN.		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	3x230-400V~	0.55	0.75	2.6	1.5	H(m)	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	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	3x400V~	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	3x230-400V~	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	3x230-400V~	1.1	1.5	4.33	2.5		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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKM-G - END SUCTION STANDARDISED - 4-POLES****BRONZE IMPELLER****> 1450 1/min**

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA																		DNA	DNM	WEIGHT KG		
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x230-400V~	1.5	2	6.24	3.6	H(m)	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	3x230-400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	7.5	10	-	14.4		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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	WEIGHT KG	
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x400V~	5.5	7.5	10.6	H(m)	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	3x400V~	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	3x400V~	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/B/BAQE/15/4	1D6421BCX	3x400V~	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	3x400V~	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	3x400V~	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	WEIGHT KG	
		POWER SUPPLY 50 Hz		P2 NOMIN.		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	3x400V~	15	20	30.5	H(m)	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	3x400V~	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	3x400V~	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/B/BAQE/11/4	1D8321BBX	3x400V~	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

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



NKP-G - END SUCTION STANDARDISED - 2-POLES

CAST IRON IMPELLER
> 2900 1/min

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG								
		POWER SUPPLY 50 Hz	P2 NOMIN.		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	3x230-400V~	0.75	1	2.94	1.7	H(m)	13	12.5	11	8															50	32	30				
NKP-G 32-125.1/115/A/BAQE/1.1/2	1D1K11B4U	3x230-400V~	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	3x230-400V~	1.5	2	5.2	3		21	20.8	19	16.8																		50	32	33	
NKP-G 32-125.1/140/A/BAQE/2.2/2	1D1K11B6U	3x230-400V~	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	3x230-400V~	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	3x230-400V~	1.5	2	5.2	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	3x230-400V~	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	3x400V~	3	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	3x230-400V~	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	3x400V~	3	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	3x400V~	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	3x400V~	3	4	-	5.6		30.5	30	29	27	24	19.5																50	32	45	
NKP-G 32-160/163/A/BAQE/4/2	1D1211B8V	3x400V~	4	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	3x400V~	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	3x400V~	4	5.5	-	8.2		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	3x400V~	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	3x400V~	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	3x400V~	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	3x230-400V~	1.5	2	5.2	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	3x230-400V~	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	3x400V~	3	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	3x400V~	4	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	3x400V~	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	3x400V~	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	3x400V~	11	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	3x400V~	15	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	3x400V~	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	3x400V~	22	30	-	38.1		96			95	94.5	93.5	92	90	87.5	84	81	76.5	71.5										65	40	223

DAB SERVICES
 HEATING AND AIR CONDITIONING
 ES/BOX LINE
 CONTROL UNIT
 WATER PRESSURIZATION
 BOOSTER SETS
 END SUCTION AND VERTICAL MULTISTAGE PUMPS
 DRAINAGE AND SEWAGE
 GROUNDWATER AND IRRIGATION
 SWIMMING POOL PUMPS
 FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKP-G - END SUCTION STANDARDISED - 2-POLES****CAST IRON IMPELLER**
> 2900 1/min

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA																DNA	DNM	WEIGHT KG					
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h		0	24	30	36	42	48	54	60	66	72	78	84	90				102	114	120	150	
			kW	HP		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	3x400 V~	3	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/A/BAQE/4/2	1D3111B8V	3x400 V~	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								65	50	42
NKP-G 50-125/135/A/BAQE/5,5/2	1D3111B9V	3x400 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	3x400 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	3x400 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	3x400 V~	11	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	3x400 V~	15	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	3x400 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	3x400 V~	22	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	3x400 V~	22	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	3x400 V~	30	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	3x400 V~	4	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	3x400 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	3x400 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	3x400 V~	11	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	3x400 V~	15	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	3x400 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	3x400 V~	22	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	3x400 V~	30	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	WEIGHT KG											
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h		0	90	102	114	120	150	180				210	240									
			kW	HP		0	1500	1700	1900	2000	2500	3000	3500	4000														
NKP-G 80-160/147-127/A/BAQE/11/2	1D5211BBV	3x400 V~	11	15	19.7																				100	80	179	
NKP-G 80-160/153/A/BAQE/15/2	1D5211BCV	3x400 V~	15	20	26.7																					100	80	181
NKP-G 80-160/163/A/BAQE/18,5/2	1D5211BDV	3x400 V~	18.5	25	33																					100	80	192
NKP-G 80-160/169/A/BAQE/22/2	1D5211BEV	3x400 V~	22	30	38.1																					100	80	221
NKP-G 80-200/190/A/BAQE/30/2	1D5311BFV	3x400 V~	30	40	52.1																					100	80	374

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**NKP-G - END SUCTION STANDARDISED - 2-POLES****BRONZE IMPELLER**
> 2900 1/min

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG			
		POWER SUPPLY 50 Hz	P2 NOMIN.		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	3x230-400V~	0.75	1	2.94	1.7	H(m)	13	12.5	11	8													50	32	30	
NKP-G 32-125.1/115/B/BAQE/1.1/2	1D1K21B4U	3x230-400V~	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	3x230-400V~	1.5	2	5.2	3		21	20.8	19	16.8														50	32	33
NKP-G 32-125.1/140/B/BAQE/2.2/2	1D1K21B6U	3x230-400V~	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	3x230-400V~	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	3x230-400V~	1.5	2	5.2	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	3x230-400V~	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	3x400V~	3	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	3x230-400V~	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	3x400V~	3	4	-	5.6		35.3	35	33	28														50	32	42
NKP-G 32-160.1 177/B/BAQE/4/2	1D1L21B8V	3x400V~	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	3x400V~	3	4	-	5.6		30.5	30	29	27	24	19.5												50	32	45
NKP-G 32-160/163/B/BAQE/4/2	1D1221B8V	3x400V~	4	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	3x400V~	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	3x400V~	4	5.5	-	8.2		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	3x400V~	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	3x400V~	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	3x400V~	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	3x230-400V~	1.5	2	5.2	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	3x230-400V~	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	3x400V~	3	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	3x400V~	4	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	3x400V~	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	3x400V~	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	3x400V~	11	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	3x400V~	15	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	3x400V~	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	3x400V~	22	30	-	38.1	96			95	94.5	93.5	92	90	87.5	84	81	76.5	71.5					65	40	223	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



DAB SERVICES

NKP-G - END SUCTION STANDARDISED - 2-POLES

BRONZE IMPELLER
> 2900 1/min

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA																DNA	DNM	WEIGHT KG				
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h		0	24	30	36	42	48	54	60	66	72	78	84	90				102	114	120	150
			kW	HP		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	3x400 V~	3	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	3x400 V~	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						65	50	42	
NKP-G 50-125/135/B/BAQE/5,5/2	1D3121B9V	3x400 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	3x400 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	3x400 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	3x400 V~	11	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	3x400 V~	15	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	3x400 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	3x400 V~	22	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	3x400 V~	22	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/B/BAQE/30/2	1D3421BFV	3x400 V~	30	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	3x400 V~	4	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	3x400 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	3x400 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	3x400 V~	11	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	3x400 V~	15	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	3x400 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	3x400 V~	22	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	3x400 V~	30	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	WEIGHT KG								
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h		0	90	102	114	120	150	180	210	240											
			kW	HP		Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000												
NKP-G 80-160/147-127/BAQE/11/2	1D5221BBV	3x400 V~	11	15	19.7																			100	80	179	
NKP-G 80-160/153/B/BAQE/15/2	1D5221BCV	3x400 V~	15	20	26.7																				100	80	181
NKP-G 80-160/163/B/BAQE/18,5/2	1D5221BDV	3x400 V~	18.5	25	33																				100	80	192
NKP-G 80-160/169/B/BAQE/22/2	1D5221BEV	3x400 V~	22	30	38.1																				100	80	221
NKP-G 80-200/190/B/BAQE/30/2	1D5321BFV	3x400 V~	30	40	52.1																				100	80	374

HEATING AND
AIR CONDITIONING

ESY BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
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AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKM-G, NKP-G

END SUCTION STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

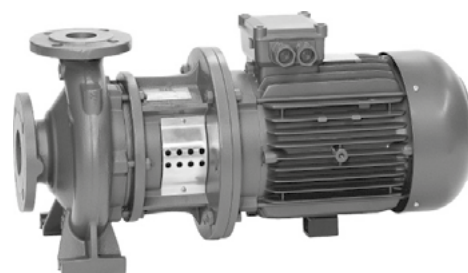


SPECIAL VERSIONS

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/NKP-G 65/250
NKM-G/NKP-G 65/315
NKM-G/NKP-G 80/160
NKM-G/NKP-G 80/200
NKM-G/NKP-G 80/250
NKM-G/NKP-G 80/315
NKM-G/NKP-G 100/200
NKM-G/NKP-G 100/250
NKM-G/NKP-G 100/315
NKM-G/NKP-G 125/250
NKM-G/NKP-G 150/200

SPECIAL MECHANICAL SEALS

- (1) Technical catalogue reference
Seal "version BQQE" = seal with rubber bellow: Silicon carbide / Silicon carbide / EPDM
- (2) Technical catalogue reference
Seal "Version BQQV" = with rubber bellow: Silicon carbide / Silicon carbide / Viton
- (3) Technical catalogue reference
Seal "Version BAQV" = with rubber bellow: Carbon / Silicon carbide / Viton



MODEL
NKM-G / NKP-G 32/125.1
NKM-G / NKP-G 32/125
NKM-G / NKP-G 32/160.1
NKM-G / NKP-G 32/160
NKM-G / NKP-G 32/200.1
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 / NKP-G 65/250
NKM-G / NKP-G 65/315
NKM-G / NKP-G 80/160
NKM-G / NKP-G 80/200
NKM-G / NKP-G 80/250
NKM-G / NKP-G 80/315
NKM-G / NKP-G 100/200
NKM-G / NKP-G 100/250
NKM-G / NKP-G 100/315
NKM-G / NKP-G 125/250
NKM-G / NKP-G 150/200

CATAPHORESIS COATING FOR PARTS IN CONTACT WITH LIQUID

KDNE MCE-P

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



Standardised base-mounted centrifugal electronic pumps with elastic coupling, designed for a wide range of applications, such as:

- Water systems in homes and apartment blocks;
- Water systems for campsites and farms;
- Water supply systems from pits;
- Irrigation systems for greenhouses, gardens, agriculture;
- Industrial systems;
- Rainwater reuse systems;

Particularly versatile thanks to the use of the DAB **MCE-P variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant pressure. Pressure sensor supplied as standard. Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron seal cover and motor support, flanges to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes, running (on request) on interchangeable wear rings. Stainless steel pump shaft supported by two amply sized ball bearings, greased for life and housed in a special chamber inside the support. Standard sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings. Asynchronous 2 or 4 pole motor, enclosed and cooled by external ventilation. Rotor mounted on ball bearings amply sized to ensure low noise and durability. Electrical protection: according to standards implemented by ELECTROMAGNETIC COMPATIBILITY DIRECTIVE EEC 89/336 and subsequent amendments, LOW VOLTAGE DIRECTIVE EEC 73/23 and subsequent amendments and CEI 2-3 standards.

Mounting position B3.

Rotation speed 1450 - 2900 1/min.

Operating range

1 To 240 m³/h with head up to 70 metres.

Liquid temperature range

+10 °C to +140 °C

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40°C.

Maximum working pressure

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

Protection degree IP55.

Insulation class F.

Flanging

PN 16 DIN 2533.

PN 10 DIN 2532 for DN 200.

Special designs on request

Pumps for liquids other than water.

Other voltages and/or frequencies.



MCE-P
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SELECTION
TABLE
PAGE 230

ACCESSORIES
PAGE 277

KDNE MCE-P - 4 POLES - FOR PRESSURIZATION SYSTEMS

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A				
			kW	HP					
KDNE 40-250/240/A/BAQE/1/3/4 MCE30/P	60192083	3x400V	3	4	3	MCE30/P	65	40	158
KDNE 40-250/250/A/BAQE/1/4/4 MCE55/P	60192084	3x400V	4	5.5	4	MCE55/P	65	40	209
KDNE 50-250/263/A/BAQE/1/5,5/4 MCE55/P	60192085	3x400V	5.5	7.5	5.5	MCE55/P	65	50	182
KDNE 65-250/240/A/BAQE/1/5,5/4 MCE55/P	60192086	3x400V	5.5	7.5	5.5	MCE55/P	80	65	210
KDNE 65-250/263/A/BAQE/1/7,5/4 MCE110/P	60167407	3x400V	7.5	10	7.5	MCE110/P	80	65	270
KDNE 65-315/260/A/BAQE/1/7,5/4 MCE110/P	60167408	3x400V	7.5	10	7.5	MCE110/P	80	65	305
KDNE 65-315/290/A/BAQE/1/11/4 MCE110/P	60167409	3x400V	11	15	11	MCE110/P	80	65	310
KDNE 65-315/320/A/BAQE/1/15/4 MCE150/P	60167411	3x400V	15	20	15	MCE150/P	80	65	310
KDNE 80-250/230/A/BAQE/1/7,5/4 MCE110/P	60167412	3x400V	7.5	10	7.5	MCE110/P	100	80	232
KDNE 80-250/260/A/BAQE/1/11/4 MCE110/P	60167413	3x400V	11	15	11	MCE110/P	100	80	271
KDNE 80-250/270/A/BAQE/1/15/4 MCE150/P	60167414	3x400V	15	20	15	MCE150/P	100	80	290
KDNE 80-315/290/A/BAQE/1/15/4 MCE150/P	60167415	3x400V	15	20	15	MCE150/P	100	80	403
KDNE100-250/260/A/BAQE/1/15/4 MCE150/P	60167416	3x400V	15	20	15	MCE150/P	125	100	313
KDNE100-315/275/A/BAQE/1/15/4 MCE150/P	60167417	3x400V	15	20	15	MCE150/P	125	100	313

KDNE MCE-P

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE

**KDNE MCE-P - 2 POLES - FOR PRESSURIZATION SYSTEMS**

MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A				
			KW	HP					
KDNE 32-125.1/130/A/BAQE/1/2.2/2 MCE22/P	60192087	1x230V	2.2	3	2.2	MCE22/P	50	32	104
KDNE 32-125.1/140/A/BAQE/1/3/2 MCE30/P	60192088	3x400V	3	4	3	MCE30/P	50	32	111
KDNE 32-125/125/A/BAQE/1/2.2/2 MCE22/P	60192089	1x230V	2.2	3	2.2	MCE22/P	50	32	97
KDNE 32-125/130/A/BAQE/1/3/2 MCE30/P	60192090	3x400V	3	4	3	MCE30/P	50	32	105
KDNE 32-125/142/A/BAQE/1/4/2 MCE55/P	60192091	3x400V	4	5.5	4	MCE55/P	50	32	126
KDNE 32-160.1/137/A/BAQE/1/1.5/2 MCE15/P	60192092	1x230V	1.5	2	1.5	MCE15/P	50	32	98
KDNE 32-160.1/145/A/BAQE/1/2.2/2 MCE22/P	60192093	1x230V	2.2	3	2.2	MCE22/P	50	32	106
KDNE 32-160.1/153/A/BAQE/1/3/2 MCE30/P	60192094	3x400V	3	4	3	MCE30/P	50	32	111
KDNE 32-160.1/177/A/BAQE/1/5.5/2 MCE55/P	60192095	3x400V	5.5	7.5	5.5	MCE55/P	50	32	145
KDNE 32-160/145/A/BAQE/1/3/2 MCE30/P	60192096	3x400V	3	4	3	MCE30/P	50	32	111
KDNE 32-160/161/A/BAQE/1/5.5/2 MCE55/P	60192097	3x400V	5.5	7.5	5.5	MCE55/P	50	32	145
KDNE 32-160/177/A/BAQE/1/7.5/2 MCE110/P	60167423	3x400V	7.5	10	7.5	MCE110/P	50	32	152
KDNE 32-200.1/170/A/BAQE/1/3/2 MCE30/P	60192099	3x400V	3	4	3	MCE30/P	50	32	149
KDNE 32-200.1/190/A/BAQE/1/5.5/2 MCE55/P	60192098	3x400V	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	3x400V	7.5	10	7.5	MCE110/P	50	32	179
KDNE 32-200/180/A/BAQE/1/5.5/2 MCE55/P	60192100	3x400V	5.5	7.5	5.5	MCE55/P	50	32	152
KDNE 32-200/200/A/BAQE/1/7.5/2 MCE110/P	60167425	3x400V	7.5	10	7.5	MCE110/P	50	32	190
KDNE 32-200/210/A/BAQE/1/11/2 MCE110/P	60167426	3x400V	11	15	11	MCE110/P	50	32	250
KDNE 32-200/219/A/BAQE/1/15/2 MCE150/P	60167427	3x400V	15	20	15	MCE150/P	50	32	261
KDNE 40-125/142/A/BAQE/1/5.5/2 MCE55/P	60192101	3x400V	5.5	7.5	5.5	MCE55/P	65	40	143
KDNE 40-160/145/A/BAQE/1/5.5/2 MCE55/P	60192102	3x400V	5.5	7.5	5.5	MCE55/P	65	40	169
KDNE 40-160/161/A/BAQE/1/7.5/2 MCE110/P	60167439	3x400V	7.5	10	7.5	MCE110/P	65	40	178
KDNE 40-160/177/A/BAQE/1/11/2 MCE110/P	60167440	3x400V	11	15	11	MCE110/P	65	40	186
KDNE 40-200/180/A/BAQE/1/7.5/2 MCE110/P	60167441	3x400V	7.5	10	7.5	MCE110/P	65	40	160
KDNE 40-200/200/A/BAQE/1/11/2 MCE110/P	60167442	3x400V	11	15	11	MCE110/P	65	40	234
KDNE 40-200/219/A/BAQE/1/15/2 MCE150/P	60167443	3x400V	15	20	15	MCE150/P	65	40	244
KDNE 40-250/220/A/BAQE/1/15/2 MCE150/P	60167445	3x400V	15	20	15	MCE150/P	65	40	291

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESY BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

KDNE MCE-P

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



MODEL	CODE	ELECTRICAL DATA				MODEL MCE	DNA	DNM	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A				
			kW	HP					
KDNE 50-125/139/A/BAQE/1/7,5/2 MCE110/P	60167446	3x400V	7.5	10	7.5	MCE110/P	65	50	156
KDNE 50-125/144/A/BAQE/1/11/2 MCE110/P	60167447	3x400V	11	15	11	MCE110/P	65	50	156
KDNE 50-160/145/A/BAQE/1/7,5/2 MCE110/P	60167448	3x400V	7.5	10	7.5	MCE110/P	65	50	190
KDNE 50-160/161/A/BAQE/1/11/2 MCE110/P	60167449	3x400V	11	15	11	MCE110/P	65	50	201
KDNE 50-160/177/A/BAQE/1/15/2 MCE150/P	60167450	3x400V	15	20	15	MCE150/P	65	50	213
KDNE 50-200/180/A/BAQE/1/11/2 MCE110/P	60167451	3x400V	11	15	11	MCE110/P	65	50	199
KDNE 50-200/190/A/BAQE/1/15/2 MCE150/P	60167452	3x400V	15	20	15	MCE150/P	65	50	293
KDNE 65-125/130/A/BAQE/1/7,5/2 MCE110/P	60167453	3x400V	7.5	10	7.5	MCE110/P	80	65	159
KDNE 65-125/144/A/BAQE/1/11/2 MCE110/P	60167454	3x400V	11	15	11	MCE110/P	80	65	188
KDNE 65-160/137/A/BAQE/1/7,5/2 MCE110/P	60167455	3x400V	7.5	10	7.5	MCE110/P	80	65	186
KDNE 65-160/153/A/BAQE/1/11/2 MCE110/P	60167456	3x400V	11	15	11	MCE110/P	80	65	196
KDNE 65-160/169/A/BAQE/1/15/2 MCE150/P	60167457	3x400V	15	20	15	MCE150/P	80	65	233
KDNE 65-200/170/A/BAQE/1/15/2 MCE150/P	60167458	3x400V	15	20	15	MCE150/P	80	65	292
KDNE 80-160/153-136/A/BAQE/1/15/2 MCE150/P	60167459	3x400V	15	20	15	MCE150/P	80	65	311

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-P FOR PRESSURIZATION SYSTEMS

SELECTION TABLES

KDNE MCE-P - 4 POLES

> 1450 1/min

MODEL	Q (m³/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 40-250/250/A/BAQE/1/4/4 MCE55/P		20.7	20.6	20	18.9	17.5																	
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		

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-P FOR PRESSURIZATION SYSTEMS

SELECTION TABLES

KDNE - MCE-P - 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 32-125.1/130/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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
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AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

KDNE MCE-C

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C



Standardised base-mounted centrifugal electronic pumps with elastic coupling, designed for a wide range of applications, such as:

- Hot water circulation for heating;
- Cold water circulation for air conditioning;
- Cold water circulation for refrigeration.

Particularly versatile thanks to the use of the DAB **MCE-C variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant differential pressures. Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron seal cover and motor support, flanges to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes, running (on request) on interchangeable wear rings. Stainless steel pump shaft supported by two amply sized ball bearings, greased for life and housed in a special chamber inside the support.

Standard sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Asynchronous 2 or 4 pole motor, enclosed and cooled by external ventilation. Rotor mounted on ball bearings amply sized to ensure low noise and durability. Electrical protection: according to standards implemented by ELECTROMAGNETIC COMPATIBILITY DIRECTIVE EEC 89/336 and subsequent amendments, LOW VOLTAGE DIRECTIVE EEC 73/23 and subsequent amendments and CEI 2-3 standards.

Mounting position B3.

Rotation speed 1450 - 2900 1/min.

Operating range

1 to 420 m³/h with head up to 70 metres.

Liquid temperature range

-10 °C to +140 °C.

Pumped liquid Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Maximum ambient temperature +40°C.

Maximum working pressure

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

Protection degree IP55.

Insulation class F.

Flanging

PN 16 DIN 2533.

PN 10 DIN 2532 for DN 200.

Special designs on request

Pumps for liquids other than water. Other voltages and/or frequencies.



MCE-C
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SELECTION
TABLE
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ACCESSORIES
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KDNE MCE-C - 4 POLES - FOR CIRCULATING SYSTEMS

CAST IRON IMPELLER

MODEL	FLANGE DIMENSIONS (mm)		POWER SUPPLY 50/60 Hz - 1x230 ~ V						POWER SUPPLY 50 Hz - 3x400 ~ V			
			CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)
	DNA	DNM			kW	HP				kW	HP	
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

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C

**KDNE MCE-C - 4 POLES - FOR CIRCULATING SYSTEMS****CAST IRON IMPELLER**

MODEL	FLANGE DIMENSIONS (mm)		POWER SUPPLY 50/60 Hz - 1x230 ~ V					POWER SUPPLY 50 Hz - 3x400 ~ V				
			CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)
	DNA	DNM			KW	HP				KW	HP	
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

DAB SERVICES

HEATING AND AIR CONDITIONING

ESY BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

KDNE MCE-C

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C

**KDNE MCE-C - 2 POLES - FOR CIRCULATING SYSTEMS****CAST IRON IMPELLER**

MODEL	FLANGE DIMENSIONS (mm)		POWER SUPPLY 50/60 Hz - 1x230 ~ V					POWER SUPPLY 50 Hz - 3x400 ~ V				
			CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)	CODE	MODEL MCE	P2 NOMINAL		WEIGHT (kg)
	DNA	DNM			KW	HP				KW	HP	
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	50	-	-	-	-	-	60192165	MCE55/C	5.5	7.5	152
KDNE 50-125/139	65	50	-	-	-	-	-	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

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C VARIABLE FREQUENCY DRIVE - FOR CIRCULATING SYSTEMS

SELECTION TABLES

KDNE MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m³/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	H (m)	6.6	6.6	6.4	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 32-125/142		6.9	-	6.75	6.15	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160.1/177		9	9.8	9.5	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160/177		10.5	-	10.4	9.6	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200.1/207		13.8	13.8	13	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/200		12.6	-	12.3	11.1	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/219		15.7	-	15.4	14.8	13	9.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-125/142		6.7	-	6.6	6.5	6	5.3	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-160/161		8.6	-	8.5	8.4	8	7.1	5.6	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-160/177		10.7	-	10.7	10.6	10.2	9.5	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-200/180		9.7	-	9.7	9.4	8.8	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-200/200		12.2	-	12.1	12	11.7	10.4	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-200/219		15	-	15	15	14.7	13.8	12.4	10.4	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-250/230		17.4	-	-	17.2	16.5	15.3	13.7	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-250/240		19.1	-	-	19	18.2	17	15.5	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-250/260		22.7	-	-	22.6	22.1	21	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-125/139		6.3	-	-	6.2	6.1	5.9	5.6	5.2	4.8	4.2	-	-	-	-	-	-	-	-	-	-
KDNE 50-125/144		6.7	-	-	6.7	6.6	6.4	6.2	5.8	5.3	4.8	4.1	-	-	-	-	-	-	-	-	-
KDNE 50-160/137		6	-	-	6	5.9	5.6	5.2	4.8	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-160/153		7.6	-	-	7.6	7.5	7.4	7.2	6.7	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-160/169		9.4	-	-	9.3	9.2	9.2	9.1	8.8	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-160/177		10.4	-	-	10.3	10.3	10.2	10.1	9.95	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-200/170		9.5	-	-	9.3	9.2	8.8	8	6.85	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-200/190		11.8	-	-	11.7	11.6	11.4	10.8	10.1	8.9	-	-	-	-	-	-	-	-	-	-	-
KDNE 50-200/210		14.6	-	-	14.6	14.5	14.4	13.9	13.2	12.2	11	-	-	-	-	-	-	-	-	-	-
KDNE 50-200/219		16	-	-	16	16	15.9	15.4	14.2	13.8	12.7	11.4	-	-	-	-	-	-	-	-	-
KDNE 50-250/220		15.9	-	-	15.7	15.6	15.4	14.9	13.8	12.4	10.5	-	-	-	-	-	-	-	-	-	-
KDNE 50-250/263		23	-	-	23	22.9	22.8	22.5	21.7	20.6	19.4	17.5	-	-	-	-	-	-	-	-	-
KDNE 65-125/130		5.1	-	-	-	-	4.9	4.75	4.6	4.3	4.1	3.8	3.3	2.8	-	-	-	-	-	-	-
KDNE 65-125/144		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		5.8	-	-	-	-	5.7	5.4	5.2	4.75	4.3	3.7	-	-	-	-	-	-	-	-	-
KDNE 65-160/153		7.3	-	-	-	-	7.2	7.2	6.9	6.7	6.3	5.8	5.25	-	-	-	-	-	-	-	-
KDNE 65-160/169	9.1	-	-	-	-	9.1	9	8.9	8.7	8.4	8	7.6	7.1	6.4	-	-	-	-	-	-	
KDNE 65-160/177	10	-	-	-	-	10	9.9	9.8	9.7	9.45	9.1	8.7	8.2	7.5	-	-	-	-	-	-	
KDNE 65-200/180	10.4	-	-	-	10.4	10.4	10.3	10.2	10	9.5	8.8	8.1	-	-	-	-	-	-	-	-	
KDNE 65-200/190	12.1	-	-	-	12	12	12	11.9	11.5	11.1	10.5	9.8	8.8	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	
KDNE 65-250/240	19	-	-	-	-	19	18.9	18.5	18.1	17.5	16.8	16	14.7	13.6	-	-	-	-	-	-	
KDNE 65-250/263	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	22.3	-	-	-	-	22.2	22.1	22	21.5	21	20.5	20	19.2	18.4	17	16	15	-	-	-	
KDNE 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	-	-	
KDNE 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	-	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C VARIABLE FREQUENCY DRIVE - FOR CIRCULATING SYSTEMS

SELECTION TABLES

KDNE MCE-C - 4 POLES

> 1450 1/min

MODEL	Q (m³/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	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		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		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		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		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		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		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		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		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		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		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		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		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		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		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		25.1	-	-	-	25	25	25	24.9	24.8	24.7	24.6	24.4	24	22	19	-	-	-	-	-	-	-	-
KDNE 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	-	-	-
KDNE 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	-
KDNE 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

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CENTRIFUGAL BASE-MOUNTED ELECTRIC PUMPS WITH MCE-C VARIABLE FREQUENCY DRIVE - FOR CIRCULATING SYSTEMS

SELECTION TABLES

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	H (m)	15.5	15.2	13.9	11.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 32-125.1/130		22.3	22.2	21.3	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-125.1/140		26.5	26.4	25.6	23.4	20.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-125/125		20.9	-	20.1	18.9	16.9	13.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-125/130		22.9	-	22	21	19.1	16.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-125/142		27.8	-	27	26.1	24.5	21.7	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160.1/137		21.5	21.2	19.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160.1/145		24.7	24.5	22.3	16.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160.1/153		28.3	28	26	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160.1/177		39.5	39.3	38.2	34.5	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160/145		27	-	25.8	23.9	21.2	16.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160/161		34	-	33	31.7	29.1	25.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-160/177		41.8	-	41.5	40.5	38.4	35.3	31.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200.1/170		34.3	34.2	31.9	23.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200.1/190		45.3	44.7	41.5	35.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200.1/207		55.3	55	51.8	46.4	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/180		39	-	38.5	36.5	32.5	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/200		51	-	49	48	45	40.5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/210		57	-	56	55	52.5	48.5	43	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 32-200/219		63	-	62	61	59	56.5	52.5	46.5	39.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-125/120		18.5	-	18	17.5	17	16	15	13.5	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-125/142		26.8	-	26.6	26.4	26	25.3	24.4	23	21.4	19.4	17	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-160/145		27.5	-	-	27.4	27	25.7	24.2	22.1	19.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-160/161		34.5	-	-	34.5	34.4	33.7	32.3	30.5	28.5	25.8	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-
KDNE 40-160/177	42.6	-	-	42.5	42.4	42	41.5	40	38.5	35	33	30	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 40-200/180	38.8	-	-	38.5	38	37	35	32.5	29	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 40-200/200	48.7	-	-	48.4	48.2	47.5	46.5	44	41.5	38.5	34.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 40-200/219	60	-	-	59.8	59.7	59.4	59	57	55	52.5	49.5	46	40	-	-	-	-	-	-	-	-	-	-	-	
KDNE 40-250/220	63.1	-	-	62.8	62.5	61	59	57	55	52	48	-	-	-	-	-	-	-	-	-	-	-	-	-	
KDNE 50-125/125	19.8	-	-	-	-	19.4	19	18.5	17.9	17.4	16.6	16	15.1	14	13	11.8	-	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	-	
KDNE 50-160/145	27.2	-	-	-	-	27	26.9	26.6	26.4	25.5	25	23.8	23	21.5	20.5	19	-	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	-	-	
KDNE 50-200/180	42.5	-	-	-	-	42	41.7	41.4	40.5	39.5	38	36	34	32	29	-	-	-	-	-	-	-	-	-	
KDNE 50-200/190	47.2	-	-	-	-	46.8	46.6	46	45.7	44.5	43.5	42	40	38	35.5	33	-	-	-	-	-	-	-	-	
KDNE 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	-	-	-	-	-	
KDNE 65-125/130	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	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	23.1	-	-	-	-	-	-	-	22.4	22	21.7	21.3	20.5	19.7	19	18	16	-	-	-	-	-	-	-	
KDNE 65-160/153	29.1	-	-	-	-	-	-	-	28.8	28.5	28.6	28.5	28	27.5	26.6	26	24	22	21	-	-	-	-	-	
KDNE 65-160/169	36.4	-	-	-	-	-	-	-	36.3	36.2	36.1	36	35.7	35.3	34.7	34	32.7	31	30	-	-	-	-	-	
KDNE 65-200/170	37.2	-	-	-	-	-	-	-	36.8	36.7	36.6	36.5	36	35	34	32.5	30	27	25	-	-	-	-	-	
KDNE 80-160/153-136	25.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.5	23.8	23	22.5	20.2	17.5	15	11.8		

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



Standardised single-stage centrifugal pumps designed for a wide range of applications:

- Water supply;
 - Hot water circulation for heating;
 - Cold water circulation for air conditioning and refrigeration;
 - Liquid transfer in agriculture, horticulture and industry;
- Can be coupled with a coupling to a two- or four-pole electric motor and mounted on a pressed sheet metal base conforming to EN 23661.

Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 24255), cast iron seal cover and motor support, flanges to DIN 2533 (DIN 2532 for DN 200). Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes, running (on request) on interchangeable wear rings. Stainless steel pump shaft supported by two amply sized ball bearings, greased for life and housed in a special chamber inside the support. Standard sealing device: standardised mechanical seal as per DIN 24960 made of carbon/silicon carbide with EPDM O-rings.

Rotation speed 1450 - 2900 1/min.

Operating range

1 to 420 m³/h with head up to 100 metres.

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

-10 °C to +140 °C.

Maximum ambient temperature +40°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.

Special designs 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

SELECTION TABLE PAGE 246

ACCESSORIES PAGE 277

KDN - STANDARDISED BASE-MOUNTED CENTRIFUGES

4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	In A	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 32-125.1/105	0.37	105	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/110	0.37	110	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/115	0.37	115	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/120	0.37	120	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/125	0.37	125	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/130	0.37	130	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/135	0.37	135	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125.1/140	0.37	140	3x230-400V	1,8-1,05	50	32	1D1K1111C	1D1K2111C	81
KDN 32-125.1/115	0.37	115	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125/120	0.37	120	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125/125	0.37	125	3x230-400V	1,8-1,05	50	32	-	-	81
KDN 32-125/130	0.37	130	3x230-400V	1,8-1,05	50	32	1D111111C	1D112111C	81
KDN 32-125/135	0.55	135	3x230-400V	2,6-1,5	50	32	-	-	83
KDN 32-125/142	0.55	142	3x230-400V	2,6-1,5	50	32	1D111112C	1D112112C	83
KDN 32-160.1/137	0.37	137	3x230-400V	1,8-1,05	50	32	-	-	83
KDN 32-160.1/145	0.37	145	3x230-400V	1,8-1,05	50	32	-	-	83
KDN 32-160.1/153	0.37	153	3x230-400V	1,8-1,05	50	32	1D1L1111C	1D1L2111C	83
KDN 32-160.1/161	0.55	161	3x230-400V	2,6-1,5	50	32	-	-	85
KDN 32-160.1/169	0.55	169	3x230-400V	2,6-1,5	50	32	1D1L1112C	1D1L2112C	85
KDN 32-160.1/177	0.75	177	3x230-400V	3,1-1,8	50	32	1D1L1113W	1D1L2113W	88
KDN 32-160/137	0.55	137	3x230-400V	2,6-1,5	50	32	-	-	85
KDN 32-160/145	0.55	145	3x230-400V	2,6-1,5	50	32	-	-	85
KDN 32-160/153	0.55	153	3x230-400V	2,6-1,5	50	32	1D121112C	1D122112C	85
KDN 32-160/161	0.75	161	3x230-400V	3,1-1,8	50	32	-	-	88
KDN 32-160/169	0.75	169	3x230-400V	3,1-1,8	50	32	1D121113W	1D122113W	88
KDN 32-160/177	1.1	177	3x230-400V	4,3-2,5	50	32	1D121114W	1D122114W	91
KDN 32-200.1/170	0.55	170	3x230-400V	2,6-1,5	50	32	1D1M1112C	1D1M2112C	85
KDN 32-200.1/180	0.75	180	3x230-400V	3,1-1,8	50	32	-	-	88
KDN 32-200.1/190	0.75	190	3x230-400V	3,1-1,8	50	32	1D1M1113W	1D1M2113W	88
KDN 32-200.1/200	1.1	200	3x230-400V	4,3-2,5	50	32	-	-	91
KDN 32-200.1/207	1.1	207	3x230-400V	4,3-2,5	50	32	1D1M1114W	1D1M2114W	91
KDN 32-200/170	0.55	170	3x230-400V	2,6-1,5	50	32	1D131112C	1D132112C	85
KDN 32-200/180	0.75	180	3x230-400V	3,1-1,8	50	32	1D131113W	1D132113W	88
KDN 32-200/190	1.1	190	3x230-400V	4,3-2,5	50	32	-	-	91
KDN 32-200/200	1.1	200	3x230-400V	4,3-2,5	50	32	1D131114W	1D132114W	91
KDN 32-200/210	1.5	210	3x230-400V	6,2-3,6	50	32	-	-	96
KDN 32-200/219	1.5	219	3x230-400V	6,2-3,6	50	32	1D131115W	1D132115W	96

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	InA	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 40-125/115	0.37	115	3x230-400V	1,8 - 1,05	65	40	1D211111C	1D212111C	81
KDN 40-125/120	0.55	120	3x230-400V	2,6 - 1,5	65	40	-	-	85
KDN 40-125/125	0.55	125	3x230-400V	2,6 - 1,5	65	40	-	-	85
KDN 40-125/130	0.55	130	3x230-400V	2,6 - 1,5	65	40	1D211112C	1D212112C	85
KDN 40-125/135	0.75	135	3x230-400V	3,1 - 1,8	65	40	-	-	88
KDN 40-125/142	0.75	142	3x230-400V	3,1 - 1,8	65	40	1D211113W	1D212113W	88
KDN 40-160/137	0.75	137	3x230-400V	3,1 - 1,8	65	40	-	-	88
KDN 40-160/145	0.75	145	3x230-400V	3,1 - 1,8	65	40	1D221113W	1D222113W	88
KDN 40-160/153	1.1	153	3x230-400V	4,3 - 2,5	65	40	-	-	91
KDN 40-160/161	1.1	161	3x230-400V	4,3 - 2,5	65	40	1D221114W	1D222114W	91
KDN 40-160/169	1.5	169	3x230-400V	6,2 - 3,6	65	40	-	-	96
KDN 40-160/177	1.5	177	3x230-400V	6,2 - 3,6	65	40	1D221115W	1D222115W	96
KDN 40-200/170	1.1	170	3x230-400V	4,3 - 2,5	65	40	-	-	91
KDN 40-200/180	1.1	180	3x230-400V	4,3 - 2,5	65	40	1D231114W	1D232114W	91
KDN 40-200/190	1.5	190	3x230-400V	6,2 - 3,6	65	40	-	-	96
KDN 40-200/200	1.5	200	3x230-400V	6,2 - 3,6	65	40	1D231115W	1D232115W	96
KDN 40-200/210	2.2	210	3x230-400V	8,3 - 4,8	65	40	-	-	101
KDN 40-200/219	2.2	219	3x230-400V	8,3 - 4,8	65	40	1D231116W	1D232116W	101
KDN 40-250/220	2.2	220	3x230-400V	8,3 - 4,8	65	40	1D241116W	1D242116W	119
KDN 40-250/230	3.0	230	3x400V~	6.8	65	40	-	-	135
KDN 40-250/240	3.0	240	3x400V~	6.8	65	40	1D241117X	1D242117X	135
KDN 40-250/250	4.0	250	3x400V~	8.2	65	40	-	-	179
KDN 40-250/260	4.0	260	3x400V~	8.2	65	40	1D241118X	1D242118X	179
KDN 50-125/115	0.75	115	3x230-400V	3,1 - 1,8	65	50	-	-	88
KDN 50-125/120	0.75	120	3x230-400V	3,1 - 1,8	65	50	1D311113W	1D312113W	88
KDN 50-125/125	1.1	125	3x230-400V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/130	1.1	130	3x230-400V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/135	1.1	135	3x230-400V	4,3 - 2,5	65	50	-	-	91
KDN 50-125/139	1.1	139	3x230-400V	4,3 - 2,5	65	50	1D311114W	1D312114W	91
KDN 50-125/144	1.5	144	3x230-400V	6,2 - 3,6	65	50	1D311115W	1D312115W	96
KDN 50-160/137	1.1	137	3x230-400V	4,3 - 2,5	65	50	-	-	91
KDN 50-160/145	1.1	145	3x230-400V	4,3 - 2,5	65	50	1D321114W	1D322114W	91
KDN 50-160/153	1.5	153	3x230-400V	6,2 - 3,6	65	50	1D321115W	1D322115W	96
KDN 50-160/161	2.2	161	3x230-400V	8,3 - 4,8	65	50	-	-	101
KDN 50-160/169	2.2	169	3x230-400V	8,3 - 4,8	65	50	-	-	101
KDN 50-160/177	2.2	177	3x230-400V	8,3 - 4,8	65	50	1D321116W	1D322116W	101
KDN 50-200/170	1.5	170	3x230-400V	6,2 - 3,6	65	50	-	-	96
KDN 50-200/180	1.5	180	3x230-400V	6,2 - 3,6	65	50	1D331115W	1D332115W	96
KDN 50-200/190	2.2	190	3x230-400V	8,3 - 4,8	65	50	-	-	101
KDN 50-200/200	2.2	200	3x230-400V	8,3 - 4,8	65	50	1D331116W	1D332116W	101
KDN 50-200/210	3	210	3x400V~	6.8	65	50	-	-	108
KDN 50-200/219	3	219	3x400V~	6.8	65	50	1D331117X	1D332117X	108
KDN 50-250/220	3	220	3x400V~	6.8	65	50	-	-	124
KDN 50-250/230	3	230	3x400V~	6.8	65	50	1D341117X	1D342117X	124
KDN 50-250/240	4	240	3x400V~	8.2	65	50	-	-	144
KDN 50-250/250	4	250	3x400V~	8.2	65	50	1D341118X	1D342118X	144
KDN 50-250/263	5.5	263	3x400V~	10.6	65	50	1D341119X	1D342119X	165
KDN 65-125/120/110	0.75	120-110	3x230-400V	3,1 - 1,8	80	65	1D411113W	1D412113W	92
KDN 65-125/120	1.1	120	3x230-400V	4,3 - 2,5	80	65	-	-	95
KDN 65-125/125	1.1	125	3x230-400V	4,3 - 2,5	80	65	-	-	95
KDN 65-125/130	1.1	130	3x230-400V	4,3 - 2,5	80	65	1D411114W	1D412114W	95
KDN 65-125/135	1.5	135	3x230-400V	6,2 - 3,6	80	65	-	-	101
KDN 65-125/140	1.5	140	3x230-400V	6,2 - 3,6	80	65	-	-	101
KDN 65-125/144	1.5	144	3x230-400V	6,2 - 3,6	80	65	1D411115W	1D412115W	101

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	InA	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 65-160/137	1.1	137	3x230-400V	4,3-2,5	80	65	1D421114W	1D422114W	95
KDN 65-160/145	1.5	145	3x230-400V	6,2-3,6	80	65	1D421115W	1D422115W	101
KDN 65-160/153	2.2	153	3x230-400V	8,3-4,8	80	65	-	-	104
KDN 65-160/161	2.2	161	3x230-400V	8,3-4,8	80	65	-	-	104
KDN 65-160/169	2.2	169	3x230-400V	8,3-4,8	80	65	1D421116W	1D422116W	104
KDN 65-160/177	3	177	3x400V~	6.8	80	65	1D421117X	1D422117X	134
KDN 65-200/170	2.2	170	3x230-400V	8,3-4,8	80	65	1D431116W	1D432116W	147
KDN 65-200/180	3	180	3x400V~	6.8	80	65	-	-	150
KDN 65-200/190	3	190	3x400V~	6.8	80	65	1D431117X	1D432117X	150
KDN 65-200/200	4	200	3x400V~	8.2	80	65	-	-	185
KDN 65-200/210	4	210	3x400V~	8.2	80	65	1D431118X	1D432118X	185
KDN 65-200/219	5.5	219	3x400V~	10.6	80	65	1D431119X	1D432119X	200
KDN 65-250/220	4	220	3x400V~	8.2	80	65	1D441118X	1D442118X	185
KDN 65-250/230	5.5	230	3x400V~	10.6	80	65	-	-	201
KDN 65-250/240	5.5	240	3x400V~	10.6	80	65	-	-	201
KDN 65-250/250	5.5	250	3x400V~	10.6	80	65	1D441119X	1D442119X	201
KDN 65-250/263	7.5	263	3x400V~	14.6	80	65	1D44111AX	1D44211AX	238
KDN 65-315/260	7.5	260	3x400V~	14.6	80	65	1D45111AX	1D45211AX	240
KDN 65-315/275	11	275	3x400V~	20.5	80	65	-	-	250
KDN 65-315/290	11	290	3x400V~	20.5	80	65	-	-	250
KDN 65-315/305	11	305	3x400V~	20.5	80	65	1D45111BX	1D45211BX	250
KDN 65-315/320	15	320	3x400V~	28	80	65	1D45111CX	1D45211CX	272
KDN 80-160/147/127	2.2	147-127	3x230-400V	8,3-4,8	100	80	-	-	139
KDN 80-160/153/136	2.2	153-136	3x230-400V	8,3-4,8	100	80	-	-	139
KDN 80-160/153	2.2	153	3x230-400V	8,3-4,8	100	80	1D521116W	1D522116W	139
KDN 80-160/161	3	161	3x400V~	6.8	100	80	1D521117X	1D522117X	142
KDN 80-160/169	4	169	3x400V~	8.2	100	80	-	-	152
KDN 80-160/177	4	177	3x400V~	8.2	100	80	1D521118X	1D522118X	152
KDN 80-200/170	3	170	3x400V~	6.8	100	80	1D531117X	1D532117X	154
KDN 80-200/180	4	180	3x400V~	8.2	100	80	-	-	167
KDN 80-200/190	4	190	3x400V~	8.2	100	80	1D531118X	1D532118X	167
KDN 80-200/200	5.5	200	3x400V~	10.6	100	80	-	-	188
KDN 80-200/210	5.5	210	3x400V~	10.6	100	80	1D531119X	1D532119X	188
KDN 80-200/222	7.5	222	3x400V~	14.6	100	80	1D53111AX	1D53211AX	240
KDN 80-250/220	5.5	220	3x400V~	10.6	100	80	1D541119X	1D542119X	219
KDN 80-250/230	7.5	230	3x400V~	14.6	100	80	-	-	250
KDN 80-250/240	7.5	240	3x400V~	14.6	100	80	1D54111AX	1D54211AX	250
KDN 80-250/250	11	250	3x400V~	20.5	100	80	-	-	270
KDN 80-250/260	11	260	3x400V~	20.5	100	80	-	-	270
KDN 80-250/270	11	270	3x400V~	20.5	100	80	1D54111BX	1D54211BX	270
KDN 80-315/275	11	275	3x400V~	20.5	100	80	1D55111BX	1D55211BX	358
KDN 80-315/290	15	290	3x400V~	28	100	80	1D55111CX	1D55211CX	365
KDN 80-315/305	18.5	305	3x400V~	34	100	80	-	-	378
KDN 80-315/320	18.5	320	3x400V~	34	100	80	1D55111DX	1D55211DX	378
KDN 80-315/334	22	334	3x400V~	40.5	100	80	1D55111EX	1D55211EX	390

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



4 POLES = 1450 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	InA	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 100-200/180	5.5	180	3x400V~	10.6	125	100	1D631119X	1D632119X	230
KDN 100-200/190	7.5	190	3x400V~	14.6	125	100	-	-	270
KDN 100-200/200	7.5	200	3x400V~	14.6	125	100	1D63111AX	1D63211AX	270
KDN 100-200/210	11	210	3x400V~	20.5	125	100	-	-	281
KDN 100-200/219	11	219	3x400V~	20.5	125	100	1D63111BX	1D63211BX	281
KDN 100-250/220	11	220	3x400V~	20.5	125	100	-	-	281
KDN 100-250/230	11	230	3x400V~	20.5	125	100	-	-	281
KDN 100-250/240	11	240	3x400V~	20.5	125	100	1D64111BX	1D64211BX	281
KDN 100-250/250	15	250	3x400V~	28	125	100	-	-	305
KDN 100-250/260	15	260	3x400V~	28	125	100	-	-	305
KDN 100-250/270	15	270	3x400V~	28	125	100	1D64111CX	1D64211CX	305
KDN 100-315/275	15	275	3x400V~	28	125	100	1D65111CX	1D65211CX	320
KDN 100-315/290	18.5	290	3x400V~	34	125	100	1D65111DX	1D65211DX	390
KDN 100-315/305	22	305	3x400V~	40.5	125	100	1D65111EX	1D65211EX	420
KDN 100-315/320	30	320	3x400V~	53.5	125	100	-	-	458
KDN 100-315/334	30	334	3x400V~	53.5	125	100	1D65111FX	1D65211FX	458
KDN 125-250/220	15	220	3x400V~	28	150	125	-	-	391
KDN 125-250/230	15	230	3x400V~	28	150	125	1D74111CX	1D74211CX	391
KDN 125-250/240	18.5	240	3x400V~	34	150	125	-	-	420
KDN 125-250/250	18.5	250	3x400V~	34	150	125	1D74111DX	1D74211DX	420
KDN 125-250/260	22	260	3x400V~	40.5	150	125	1D74111EX	1D74211EX	433
KDN 125-250/269	30	269	3x400V~	53.5	150	125	1D74111FX	1D74211FX	511
KDN 150-200/210/170	11	210-170	3x400V~	20.5	200	150	-	-	455
KDN 150-200/218/182	11	218-182	3x400V~	20.5	200	150	1D83111BX	1D83211BX	455
KDN 150-200/218	15	218-200	3x400V~	28	200	150	-	-	476
KDN 150-200/218/200	15	218	3x400V~	28	200	150	-	-	476
KDN 150-200/224	15	224	3x400V~	28	200	150	1D83111CX	1D83211CX	476

(*) For weight with spacer coupling add 5 kg

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	InA	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 32-125.1/105	1.1	105	3x230-400V	4,2-2,4	50	32	1D1K1114U	1D1K2114U	79
KDN 32-125.1/110	1.5	110	3x230-400V	5,2-3	50	32	-	-	87
KDN 32-125.1/115	1.5	115	3x230-400V	5,2-3	50	32	1D1K1115U	1D1K2115U	87
KDN 32-125.1/120	2.2	120	3x230-400V	8-4,6	50	32	-	-	92
KDN 32-125.1/125	2.2	125	3x230-400V	8-4,6	50	32	-	-	92
KDN 32-125.1/130	2.2	130	3x230-400V	8-4,6	50	32	1D1K1116U	1D1K2116U	92
KDN 32-125.1/135	3	135	3x400V~	5,6	50	32	-	-	100
KDN 32-125.1/140	3	140	3x400V~	5,6	50	32	1D1K1117V	1D1K2117V	100
KDN 32-125/115	2.2	115	3x230-400V	8-4,6	50	32	-	-	92
KDN 32-125/120	2.2	120	3x230-400V	8-4,6	50	32	1D111116U	1D112116U	92
KDN 32-125/125	3	125	3x400V~	5,6	50	32	-	-	100
KDN 32-125/130	3	130	3x400V~	5,6	50	32	-	-	100
KDN 32-125/135	3	135	3x400V~	5,6	50	32	1D111117V	1D112117V	100
KDN 32-125/142	4	142	3x400V~	7	50	32	1D111118V	1D112118V	108
KDN 32-160.1/137	2.2	137	3x230-400V	8-4,6	50	32	-	-	94
KDN 32-160.1/145	2.2	145	3x230-400V	8-4,6	50	32	1D1L1116U	1D1L2116U	94
KDN 32-160.1/153	3	153	3x400V~	5,6	50	32	1D1L1117V	1D1L2117V	102
KDN 32-160.1/161	4	161	3x400V~	7	50	32	-	-	110
KDN 32-160.1/169	4	169	3x400V~	7	50	32	1D1L1118V	1D1L2118V	110
KDN 32-160.1/177	5.5	177	3x400V~	10,2	50	32	1D1L1119V	1D1L2119V	117
KDN 32-160/145	3	137	3x400V~	5,6	50	32	1D121117V	1D122117V	102
KDN 32-160/145	4	145	3x400V~	7	50	32	-	-	110
KDN 32-160/153	4	153	3x400V~	7	50	32	1D121118V	1D122118V	110
KDN 32-160/161	5.5	161	3x400V~	10,2	50	32	-	-	117
KDN 32-160/169	5.5	169	3x400V~	10,2	50	32	-	-	117
KDN 32-160/177	5.5	177	3x400V~	10,2	50	32	1D121119V	1D122119V	117
KDN 32-200.1/170	4	170	3x400V~	7	50	32	-	-	118
KDN 32-200.1/180	4	180	3x400V~	7	50	32	1D1M1118V	1D1M2118V	118
KDN 32-200.1/190	5.5	190	3x400V~	10,2	50	32	1D1M1119V	1D1M2119V	124
KDN 32-200.1/200	7.5	200	3x400V~	13,4	50	32	-	-	151
KDN 32-200.1/207	7.5	207	3x400V~	13,4	50	32	1D1M111AV	1D1M211AV	151
KDN 32-200/170	5.5	170	3x400V~	10,2	50	32	-	-	124
KDN 32-200/180	5.5	180	3x400V~	10,2	50	32	1D131119V	1D132119V	124
KDN 32-200/190	7.5	190	3x400V~	13,4	50	32	-	-	151
KDN 32-200/200	7.5	200	3x400V~	13,4	50	32	1D13111AV	1D13211AV	151
KDN 32-200/210	11	210	3x400V~	19,7	50	32	-	-	214
KDN 32-200/219	11	219	3x400V~	19,7	50	32	1D13111BV	1D13211BV	214

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	In A	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE	CODE	
KDN 40-125/115	3	115	3x400V ~	5.6	65	40	1D21117V	1D212117V	80
KDN 40-125/120	4	120	3x400V ~	7	65	40	-	-	84
KDN 40-125/125	4	125	3x400V ~	7	65	40	-	-	84
KDN 40-125/130	4	130	3x400V ~	7	65	40	1D21118V	1D212118V	84
KDN 40-125/135	5.5	135	3x400V ~	10.2	65	40	-	-	115
KDN 40-125/142	5.5	142	3x400V ~	10.2	65	40	1D21119V	1D212119V	115
KDN 40-160/137	4	137	3x400V ~	7	65	40	1D22118V	1D222118V	86
KDN 40-160/145	5.5	145	3x400V ~	10.2	65	40	1D22119V	1D222119V	120
KDN 40-160/153	7.5	153	3x400V ~	13.4	65	40	-	-	138
KDN 40-160/161	7.5	161	3x400V ~	13.4	65	40	1D2211AV	1D22211AV	138
KDN 40-160/169	11	169	3x400V ~	19.7	65	40	-	-	150
KDN 40-160/177	11	177	3x400V ~	19.7	65	40	1D2211BV	1D22211BV	150
KDN 40-200/170	7.5	170	3x400V ~	13.4	65	40	-	-	150
KDN 40-200/180	7.5	180	3x400V ~	13.4	65	40	1D2311AV	1D23211AV	150
KDN 40-200/190	11	190	3x400V ~	19.7	65	40	-	-	198
KDN 40-200/200	11	200	3x400V ~	19.7	65	40	1D2311BV	1D23211BV	198
KDN 40-200/210	15	210	3x400V ~	26.5	65	40	-	-	204
KDN 40-200/219	15	219	3x400V ~	26.5	65	40	1D2311CV	1D23211CV	204
KDN 40-250/220	15	220	3x400V ~	26.5	65	40	1D2411CV	1D24211CV	251
KDN 40-250/230	18.5	230	3x400V ~	33	65	40	1D2411DV	1D24211DV	266
KDN 40-250/240	22	240	3x400V ~	38	65	40	-	-	278
KDN 40-250/250	22	250	3x400V ~	38	65	40	1D2411EV	1D24211EV	278
KDN 40-250/260	30	260	3x400V ~	52	65	40	1D2411FV	1D24211FV	332
KDN 50-125/115	4	115	3x400V ~	7	65	50	1D31118V	1D312118V	91
KDN 50-125/120	5.5	120	3x400V ~	10.2	65	50	-	-	143
KDN 50-125/125	5.5	125	3x400V ~	10.2	65	50	1D31119V	1D312119V	143
KDN 50-125/130	7.5	130	3x400V ~	13.4	65	50	-	-	156
KDN 50-125/135	7.5	135	3x400V ~	13.4	65	50	-	-	156
KDN 50-125/139	7.5	139	3x400V ~	13.4	65	50	1D3111AV	1D31211AV	156
KDN 50-125/144	11	144	3x400V ~	19.7	65	50	1D3111BV	1D31211BV	178
KDN 50-160/137	7.5	137	3x400V ~	13.4	65	50	-	-	165
KDN 50-160/145	7.5	145	3x400V ~	13.4	65	50	1D3211AV	1D32211AV	165
KDN 50-160/153	11	153	3x400V ~	19.7	65	50	-	-	220
KDN 50-160/161	11	161	3x400V ~	19.7	65	50	1D3211BV	1D32211BV	220
KDN 50-160/169	15	169	3x400V ~	26.5	65	50	-	-	260
KDN 50-160/177	15	177	3x400V ~	26.5	65	50	1D3211CV	1D32211CV	260
KDN 50-200/170	11	170	3x400V ~	19.7	65	50	-	-	230
KDN 50-200/180	11	180	3x400V ~	19.7	65	50	1D3311BV	1D33211BV	230
KDN 50-200/190	15	190	3x400V ~	26.5	65	50	-	-	282
KDN 50-200/200	15	200	3x400V ~	26.5	65	50	1D3311CV	1D33211CV	282
KDN 50-200/210	18.5	210	3x400V ~	33	65	50	1D3311DV	1D33211DV	290
KDN 50-200/219	22	219	3x400V ~	38	65	50	1D3311EV	1D33211EV	302
KDN 50-250/220	18.5	220	3x400V ~	33	65	50	1D3411DV	1D34211DV	300
KDN 50-250/230	22	230	3x400V ~	38	65	50	1D3411EV	1D34211EV	315
KDN 50-250/240	30	240	3x400V ~	52	65	50	-	-	358
KDN 50-250/250	30	250	3x400V ~	52	65	50	1D3411FV	1D34211FV	358
KDN 50-250/263	37	263	3x400V ~	63	65	50	1D3411GV	1D34211GV	419

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



2 POLES = 2900 1/min

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	In A	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE**	CODE**	
KDN 65-125/120/110	5.5	120-110	3x400V~	10.2	80	65	1D411119V	1D412119V	150
KDN 65-125/120	7.5	120	3x400V~	13.4	80	65	-	-	163
KDN 65-125/125	7.5	125	3x400V~	13.4	80	65	-	-	163
KDN 65-125/130	7.5	130	3x400V~	13.4	80	65	1D41111AV	1D41211AV	163
KDN 65-125/135	11	135	3x400V~	19.7	80	65	-	-	185
KDN 65-125/140	11	140	3x400V~	19.7	80	65	-	-	185
KDN 65-125/144	11	144	3x400V~	19.7	80	65	1D41111BV	1D41211BV	185
KDN 65-160/137	7.5	137	3x400V~	13.4	80	65	1D42111AV	1D42211AV	170
KDN 65-160/145	11	145	3x400V~	19.7	80	65	-	-	230
KDN 65-160/153	11	153	3x400V~	19.7	80	65	1D42111BV	1D42211BV	230
KDN 65-160/161	15	161	3x400V~	26.5	80	65	-	-	270
KDN 65-160/169	15	169	3x400V~	26.5	80	65	1D42111CV	1D42211CV	270
KDN 65-160/177	18.5	177	3x400V~	33	80	65	1D42111DV	1D42211DV	300
KDN 65-200/170	15	170	3x400V~	26.5	80	65	-	-	300
KDN 65-200/180	15	180	3x400V~	26.5	80	65	1D43111CV	1D43211CV	300
KDN 65-200/190	18.5	190	3x400V~	33	80	65	1D43111DV	1D43211DV	310
KDN 65-200/200	22	200	3x400V~	38	80	65	1D43111EV	1D43211EV	322
KDN 65-200/210	30	210	3x400V~	52	80	65	-	-	418
KDN 65-200/219	30	219	3x400V~	52	80	65	1D43111FV	1D43211FV	418
KDN 65-250/220	30	220	3x400V~	52	80	65	-	-	472
KDN 65-250/230	30	230	3x400V~	52	80	65	1D44111FV	1D44211FV	472
KDN 65-250/240	37	240	3x400V~	63	80	65	1D44111GV	1D44211GV	502
KDN 65-250/250	45	250	3x400V~	76	80	65	1D44111HV	1D44211HV	589
KDN 65-250/263	55	263	3x400V~	95	80	65	1D44111KV	1D44211KV	717
KDN 65-315/260	45	260	3x400V~	76	80	65	1D45111HV	1D45211HV	734
KDN 65-315/275	55	275	3x400V~	95	80	65	1D45111KV	1D45211KV	850
KDN 65-315/290	75	290	3x400V~	126	80	65	60215793	-	879
KDN 65-315/305	75	305	3x400V~	126	80	65	not available	-	879
KDN 65-315/320	90	320	3x400V~	151	80	65	-	-	909
KDN 80-160/147/127	11	147-127	3x400V~	19.7	100	80	1D52111BV	1D52211BV	275
KDN 80-160/153/136	15	153-136	3x400V~	26.5	100	80	1D52111CV	1D52211CV	285
KDN 80-160/153	18.5	153	3x400V~	33	100	80	-	-	320
KDN 80-160/161	18.5	161	3x400V~	33	100	80	1D52111DV	1D52211DV	320
KDN 80-160/169	22	169	3x400V~	38	100	80	1D52111EV	1D52211EV	345
KDN 80-160/177	30	177	3x400V~	52	100	80	1D52111FV	1D52211FV	400
KDN 80-200/170	22	170	3x400V~	38	100	80	1D53111EV	1D53211EV	368
KDN 80-200/180	30	180	3x400V~	52	100	80	-	-	444
KDN 80-200/190	30	190	3x400V~	52	100	80	1D53111FV	1D53211FV	444
KDN 80-200/200	37	200	3x400V~	63	100	80	1D53111GV	1D53211GV	480
KDN 80-200/210	45	210	3x400V~	76	100	80	1D53111HV	1D53211HV	587
KDN 80-200/222	55	222	3x400V~	95	100	80	1D53111KV	1D53211KV	740
KDN 80-250/220	45	220	3x400V~	76	100	80	1D54111HV	1D54211HV	612
KDN 80-250/230	55	230	3x400V~	95	100	80	-	-	740
KDN 80-250/240	55	240	3x400V~	95	100	80	1D54111KV	1D54211KV	740
KDN 80-250/250	75	250	3x400V~	126	100	80	-	-	877
KDN 80-250/260	75	260	3x400V~	126	100	80	60215796	60215833	877
KDN 80-250/270	90	270	3x400V~	151	100	80	60215822	-	891
KDN 80-315/275	75	275	3x400V~	126	100	80	-	-	868
KDN 80-315/290	90	290	3x400V~	151	100	80	not available	-	898
KDN 80-315/290	110	290	3x400V~	184	100	80	not available	60215834	1147

(*) For weight with spacer coupling add 5 kg

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS

**2 POLES = 2900 1/min**

MODEL	POWER P2 (kW)	IMPELLER DIAMETER Ø	POWER SUPPLY	InA	DNA	DNM	CAST IRON IMPELLER	BRONZE IMPELLER	WEIGHT (*) (STANDARD COUPLING) KG
							CODE**	CODE**	
KDN 100-200/180	37	180	3x400V~	63	125	100	1D63111GV	1D63211GV	510
KDN 100-200/190	45	190	3x400V~	76	125	100	-	-	588
KDN 100-200/200	45	200	3x400V~	76	125	100	1D63111HV	1D63211HV	588
KDN 100-200/210	55	210	3x400V~	95	125	100	1D63111KV	1D63211KV	780
KDN 100-200/219	75	219	3x400V~	126	125	100	60215827	-	849
KDN 100-250/220	55	220	3x400V~	95	125	100	1D64111KV	1D64211KV	800
KDN 100-250/230	75	230	3x400V~	126	125	100	-	60215835	787
KDN 100-250/240	75	240	3x400V~	126	125	100	60215828	-	887
KDN 100-250/250	90	250	3x400V~	151	125	100	-	-	905
KDN 100-250/260	90	260	3x400V~	151	125	100	60215829	-	905
KDN 100-250/260	110	260	3x400V~	184	125	100	60215830	-	1132

(*) For weight with spacer coupling add 5 kg

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS - KDN

SELECTION TABLES

4 POLES = 1450 1/min

MODEL	Q (m ³ /h)	0	3	6	12	18	24	30	36
	(l/min)	0	50	100	200	300	400	500	600
KDN 32-125.1/105	H (m)	3.5	3.4	3.1					
KDN 32-125.1/110		3.9	3.8	3.5					
KDN 32-125.1/115		4.25	4.2	3.9					
KDN 32-125.1/120		4.7	4.6	4.3					
KDN 32-125.1/125		5.1	5.1	4.8					
KDN 32-125.1/130		5.6	5.6	5.3					
KDN 32-125.1/135		6.1	6	5.8	4.4				
KDN 32-125.1/140		6.6	6.6	6.4	5.1				
KDN 32-125/115		4.3		4.1	3.2				
KDN 32-125/120		4.75		4.6	3.75				
KDN 32-125/125		5.2		5.05	4.2				
KDN 32-125/130		5.7		5.5	4.8				
KDN 32-125/135		6.2		6	5.3	3.65			
KDN 32-125/142		6.9		6.75	6.15	4.5			
KDN 32-160.1/137		5.3	5.3	4.7					
KDN 32-160.1/145		6.2	6.1	5					
KDN 32-160.1/153		7	7	6.6					
KDN 32-160.1/161		8	7.9	7.6					
KDN 32-160.1/169		8.9	8.9	8.6	5.5				
KDN 32-160.1/177		9	9.8	9.5	6.6				
KDN 32-160/137		5.9		5.6	4.4				
KDN 32-160/145		6.7		6.5	5.3				
KDN 32-160/153		7.6		7.4	6.25				
KDN 32-160/161		8.5		8.25	7.25	8.7			
KDN 32-160/169		9.5		9.3	8.4	6.6			
KDN 32-160/177		10.5		10.4	9.6	7.8			
KDN 32-200.1/170		8.6	8.5	7.2					
KDN 32-200.1/180		9.8	9.8	9					
KDN 32-200.1/190		11.3	11.1	10.5					
KDN 32-200.1/200		12.8	12.7	11.7	8.3				
KDN 32-200.1/207		13.8	13.8	13	8.9				
KDN 32-200/170		8.6		8.2	6.7				
KDN 32-200/180		9.9		9.6	8.2				
KDN 32-200/190		11.2		10.9	9.7	7			
KDN 32-200/200		12.6		12.3	11.1	8.7			
KDN 32-200/210		14.3		14	13.1	10.7			
KDN 32-200/219		15.7		15.4	14.8	13	9.8		
KDN 40-125/115		4.2		4.1	3.8	3.2	2.4		
KDN 40-125/120		4.6		4.5	4.2	3.7	2.9		
KDN 40-125/125		5.1		4.9	4.7	4.1	3.3		
KDN 40-125/130		5.5		5.4	5.2	4.7	3.9		
KDN 40-125/135		6		5.9	5.8	5.3	4.6		
KDN 40-125/142		6.7		6.6	6.5	6	5.3	4.1	
KDN 40-160/137		5.9		5.8	5.8	5	3.7		
KDN 40-160/145		6.7		6.6	6.5	6	4.8		
KDN 40-160/153		7.6		7.6	7.5	7	6.8		
KDN 40-160/161		8.6		8.5	8.4	8	7.1	5.6	
KDN 40-160/169		9.6		9.5	9.5	9.1	8.3	7	
KDN 40-160/177		10.7		10.7	10.6	10.2	9.5	8.3	
KDN 40-200/170		8.4		8.4	8.2	7.4	5.7		
KDN 40-200/180		9.7		9.7	9.4	8.8	7.2		
KDN 40-200/190		10.9		10.8	10.7	10.2	8.8	6.8	
KDN 40-200/200		12.2		12.1	12	11.7	10.4	8.6	
KDN 40-200/210		13.6		13.5	13.5	13.2	12.1	10.6	
KDN 40-200/219		15		15	15	14.7	13.8	12.4	10.4
KDN 40-250/220		15.8			15.6	14.8	13.6	12	
KDN 40-250/230		17.4			17.2	16.5	15.3	13.7	
KDN 40-250/240		19.1			19	18.2	17	15.5	
KDN 40-250/250		20.7			20.6	20	18.9	17.5	
KDN 40-250/260		22.7			22.6	22.1	21	19.5	

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS - KDN

SELECTION TABLES

4 POLES = 1450 1/min

MODEL	Q (m ³ /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	H (m)	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		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 ELECTRIC PUMPS - KDN

SELECTION TABLES

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	H (m)	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		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		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		

DAB SERVICES

HEATING AND
AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS - KDN

SELECTION TABLES

2 POLES = 2900 1/min

MODEL	Q (m³/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	H (m)	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		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 ELECTRIC PUMPS - KDN

SELECTION TABLES

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
		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	52	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 ELECTRIC PUMPS - KDN

SELECTION TABLES

2 POLES = 2900 1/min

MODEL	Q (m ³ /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	14.9	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	



HYDRAULICS

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

CAST IRON IMPELLER



Counterflanges not included.

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

BRONZE IMPELLER



Counterflanges not included.

KDN

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



SPECIAL VERSIONS

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

SPECIAL MECHANICAL SEALS

- (1) **Technical catalogue reference** / Seal "Version BQQE" = seal with rubber bellow: Silicon carbide / Silicon carbide / EPDM
- (2) **Technical catalogue reference** / Seal "Version BQQV" = with rubber bellow: Silicon carbide / Silicon carbide / Viton
- (3) **Technical catalogue reference** / Seal "Version BAQV" = with rubber bellow: Carbon / Silicon carbide / Viton

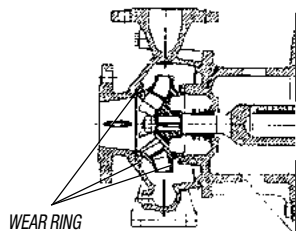
SPECIAL VERSIONS

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

CATAPHORESIS COATING FOR PARTS IN CONTACT WITH LIQUID FOR VERSIONS WITH BRONZE IMPELLER



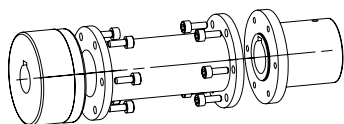
SPECIAL VERSIONS



WITH WEAR RINGS

MODEL
KDN 150-200**

** Only KDN 150-200 is available with wear rings.



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 ELECTRIC PUMPS



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

- Central heating;
- Water supply;
- Air conditioning;
- Refrigeration;
- Industry;
- Firefighting;
- Environmental engineering.

Single-stage, non-self-priming, spiral-body centrifugal pump with axial suction port, radial delivery port and horizontal shaft components. KDN pumps have nominal dimensions and performance PN 16. The suction and discharge flanges are to EN 7005 standard PN 10 or 16. All pumps are dynamically balanced according to ISO 1940 class 6.3 and the impellers are hydraulically balanced.

Pump and motor are installed on a single base frame in accordance with EN 23 661 and made of fully welded steel.

Oversize pumps are equipped with a base with welded steel profiles.

Due to the special design of the pump, the bearings, impeller and seal can be removed without removing the pump body from the pipes (back-pull-out design).

Flow rate max 3200 m³/h.

Head max 158 m.

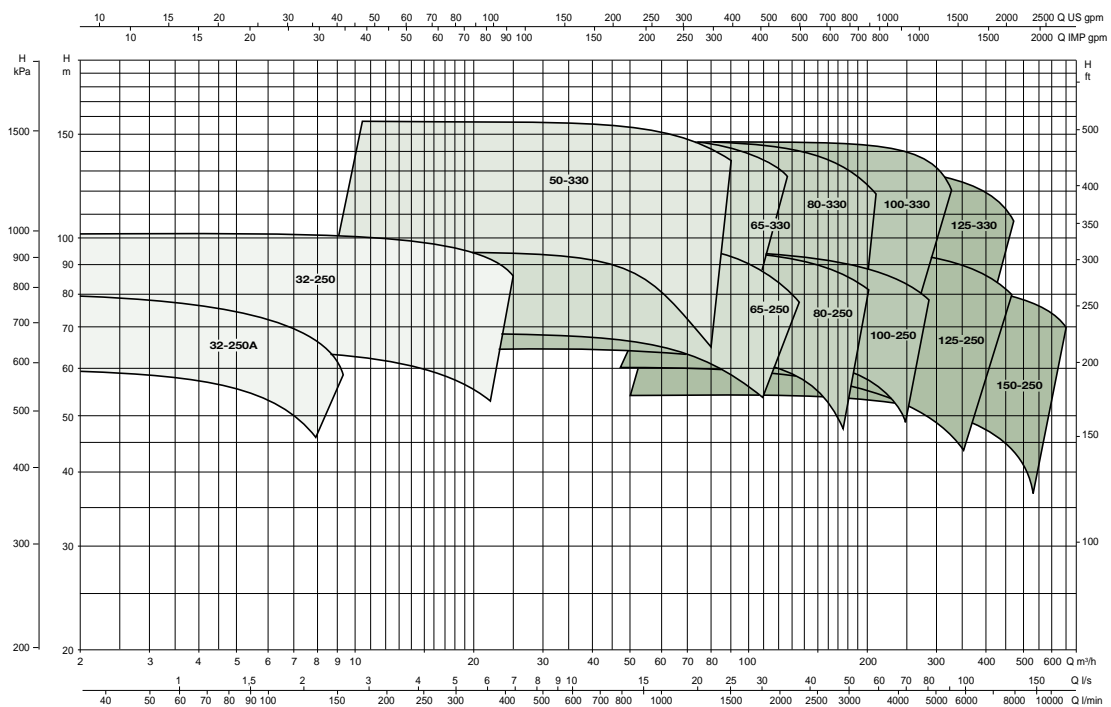
Liquid temperature -10 °C to +120 °C.

Working pressure max 10 or 16 bar.

Suction pressure max 9 bar. max 7 bar for impellers of 400 mm or more

Complete electric pump or hydraulic part only available - Please contact our sales network for a quote

KDN OVERSIZE - 2 POLES - STANDARDISED BASE-MOUNTED CENTRIFUGES



= 2900 1/min

KDN OVERSIZE

STANDARDISED CENTRIFUGAL ELECTRIC PUMPS



DAB SERVICES

KDN OVERSIZE - 4 POLES - STANDARDISED BASE-MOUNTED CENTRIFUGES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

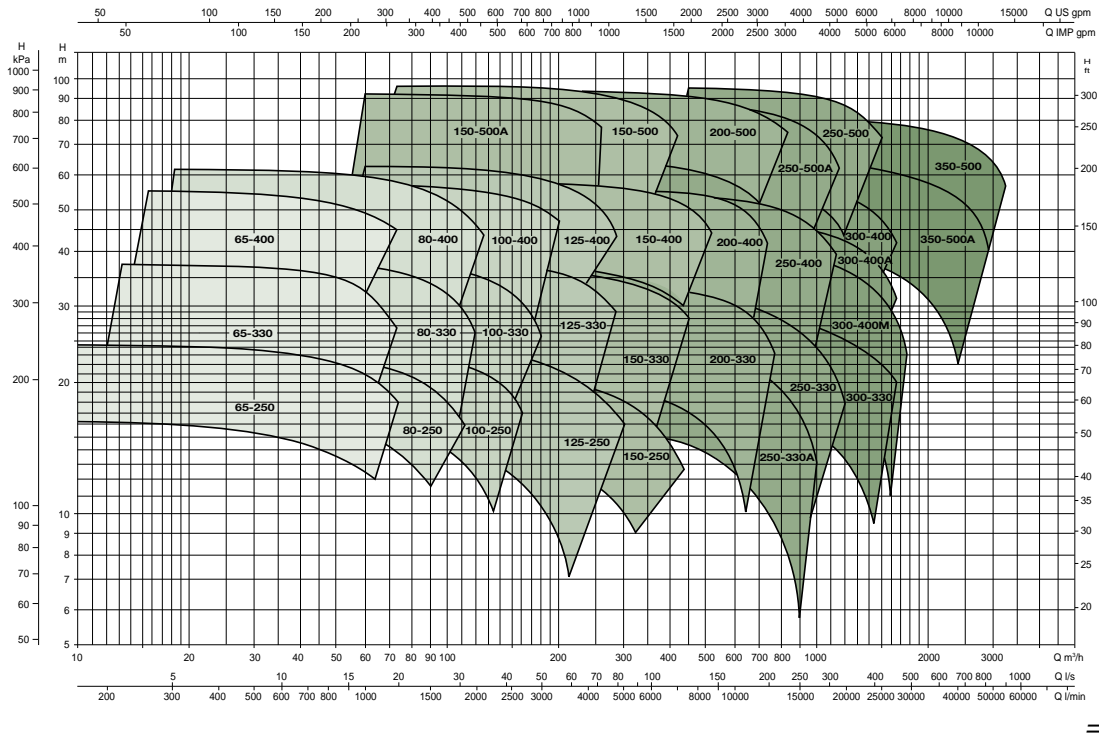
END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

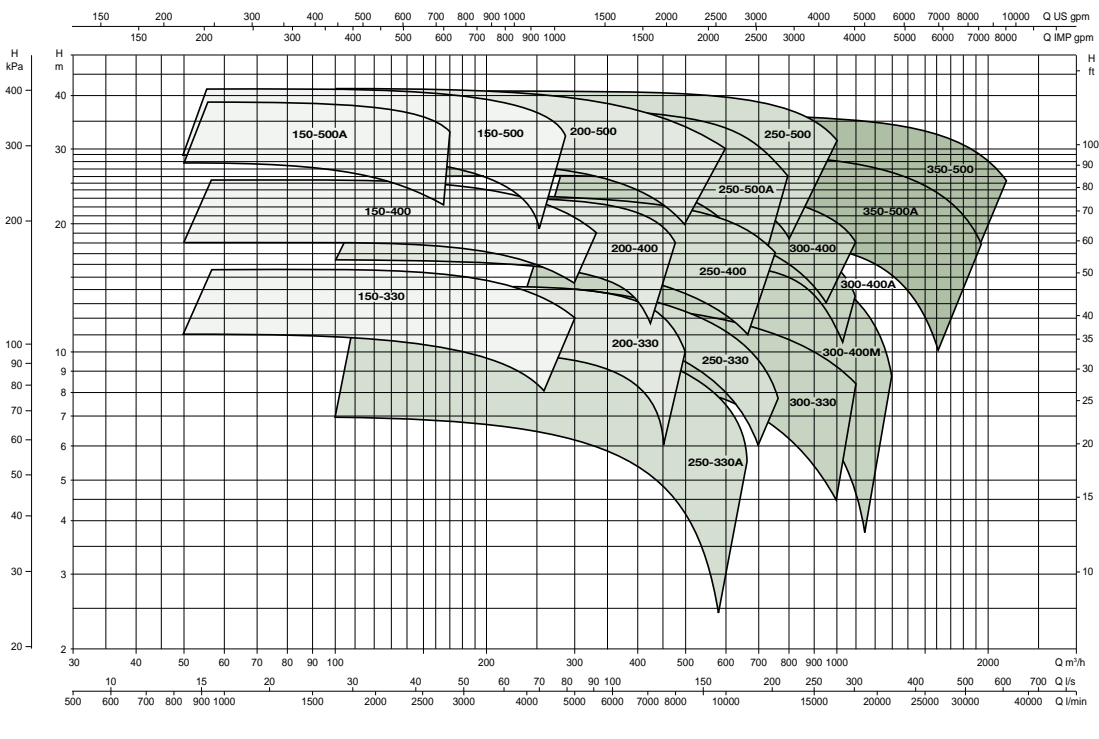
GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



KDN OVERSIZE - 6 POLES - STANDARDISED BASE-MOUNTED CENTRIFUGES



KVCE 30, 50, 80, 120 - MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



Vertical multistage centrifugal pump suitable for small and medium-sized water systems. Particularly versatile thanks to the use of the **MCE-P variable frequency drive**, it guarantees performance that can automatically adapt to different system requirements while maintaining constant pressure.

Pressure sensor supplied as standard.

Suitable for booster sets, sprinkler and spurting irrigation systems, washing systems.

Innovative and robust design.

Technopolymer pressure/suction body with IN-LINE suction and delivery ports with threaded metal insert.

Technopolymer impellers, diffuser bodies and diffusers, fully rust-proof.

Pump liner, shim rings and seal cover disk in AISI 304 stainless steel.

Carbon/ceramic mechanical seal mounted on motor shaft extension in AISI 303 stainless steel.

Asynchronous, enclosed and cooled by external ventilation.

Motor shaft mounted on ball bearings greased for life and oversized to ensure low noise and durability.

Built to CEI 2-3/CEI 61-69 standards (EN 60335-2-41).

Protection degree IP55.

Insulation class F.

Standard voltage

Single-phase 1x230 V / 50-60 Hz.

Three-phase 3x400 V / 50 Hz.

Operating range

1 To 12 m³/h with head up to 110 metres.

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0°C to +35°C for domestic use

(EN 60335-2-41 safety standards).

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.



MCE-P
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ACCESSORIES
PAGE 277

KVCE 30, 50, 80, 120 - MCE-P - FOR PRESSURIZATION SYSTEMS

MODEL	CODE	ELECTRICAL DATA			HYDRAULIC DATA																	DNA GAS	DNM GAS	H mm	WEIGHT KG			
		POWER SUPPLY 50 Hz	P2 NOMIN.		In A	Q=m ³ /h Q=l/min	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	
			kW	HP			0	10	20	30	40	50	55	65	80	90	100	120	140	150	160					180	200	
KVCE 45-30 M MCE11/P	60183658	1 x230V	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 x230V	0.75	1	9.6	61.5	59.9	56.8	52.2	46	38	33.5	22.7												1"¼	1"¼	652	22.5
KVCE 60-30 M MCE11/P	60183660	1 x230V	0.9	1.2	10.7	69.6	67.6	64	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 x230V	1	1.36	11.6	78.4	76.8	73.5	68.4	61.2	51.9	46	33.3												1"¼	1"¼	679	23.9
KVCE 30-50 M MCE11/P	60144871	1 x230V	0.55	0.75	8.51	41.1	40.3	39	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 x230V	0.8	1.1	10.2	54.9	53.7	52	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 x230V	1	1.4	12	68.6	67.1	65	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 x230V	1.1	1.5	14.6	82.3	80.6	78	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 x230V	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 x230V	1	1.36	12.4	50.1	49.7	49	48	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 x230V	1.5	2	15.5	64.6	64.5	63.9	63	61.7	60	59	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 x230V	1.1	1.5	16	46.2	46.1	45.7	45.3	44.8	44	43.7	42.7	40.9	39.3	37.4	33.7	29.4	26.8	24.2	18	11			1"¼	1"¼	505	23.8
KVCE 45-120 M MCE22/P	60201916	1 x230V	1.84	2.5	19.5	62.4	62	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	26.3	17			1"¼	1"¼	635	29
KVCE 60-120 T MCE30/P	60201917	3x400V	2.2	3	6.91	78	77.5	76.7	75.9	75.1	73.9	73.3	71.5	68.3	65.9	63.2	58	51	47	43.4	35	24.5			1"¼	1"¼	635	27.1
KVCE 70-120 T MCE30/P	60201918	3x400V	2.2	3	8.26	95	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	31			1"¼	1"¼	730	30.8
KVCE 85-120 T MCE30/P	60201929	3x400V	2.2	3	9.18	112.7	111.6	110.3	109	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			1"¼	1"¼	730	30.8

KVC, KVCX

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH INTEGRAL SHAFT



KVC



KVCX

Vertical multistage centrifugal pump suitable for small and medium-sized water systems.

Suitable for booster sets, autoclave supply, sprinkler and spurting irrigation systems, firefighting and washing systems, condensate and cooling water conveyance.

Innovative and robust design.

Technopolymer pressure/suction body with IN-LINE suction and delivery ports with threaded metal insert.

Technopolymer impellers, diffuser bodies and diffusers, fully rust-proof.

Pump liner, shim rings and seal cover disk in AISI 304 stainless steel.

Silicon carbide/carbon mechanical seal mounted on motor shaft extension in AISI 303 stainless steel.

Asynchronous motor, enclosed and cooled by external ventilation.

Rotor mounted on ball bearings greased for life and oversized to ensure low noise and durability.

Built-in thermo-ampereometric protection and permanently inserted capacitor in single-phase version.

In the three-phase version, protection is the responsibility of the user. Built to CEI2-3/CEI61-69 standards (EN 60335-2-41).

Protection degree IP55.

Insulation class F.

Standard voltage

Single-phase 220-240 V / 50 Hz.

Three-phase 230-400 V / 50 Hz.

Operating range 50 to 200 L/min with head up to 113 metres.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral, similar to the characteristics of water.

Liquid temperature range

0°C to +35°C for domestic use (EN 60335-2-41 safety standards).

0°C to +40°C for other uses.

Maximum ambient temperature +40°C.

Maximum working pressure 12 bar (1200 kPa).

Special designs 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



ACCESSORIES
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KVC

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA													
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³/h										DNA GAS	DNM GAS	H mm	WEIGHT KG
				kW	HP		0	0.6	1.2	1.8	2.4	3	3.3	3.9	4.8					
KVC 45-30 T	60204216	3x230-400V~	0.93	0.75	1	3.3-1.9	H(m)													
KVC 50-30 T	60183599	3x230-400V~	1.08	0.75	1	3.5-2	47.1	45.9	43.5	39.8	34.7	28	24	14.7		1"¼	1"¼	560	14.9	
KVC 60-30 T	60183600	3x230-400V~	1.22	0.8	1.1	3.8-2.2	61.5	59.9	56.8	52.2	46	38	33.5	22.7		1"¼	1"¼	652	17.5	
KVC 65-30 T	60183601	3x230-400V~	1.38	1	1.36	4.3-2.5	69.6	67.6	64	58.5	51.1	41.8	36.2	23.8		1"¼	1"¼	652	17.3	
KVC 30-50 M	60212496	1x230V	0.93	0.75	1	4.1	78.4	76.8	73.5	68.4	61.2	51.9	46	33.3		1"¼	1"¼	679	18.5	
KVC 40-50 M	60212497	1x230V	1.25	0.85	1.15	5.5	41.1	40.3	39	37.3	34.7	31.6	29.7	25.3	17.1	1"¼	1"¼	478	13.7	
KVC 40-50 T	60179400	3x230-400V~	1.2	0.8	1.1	3.8-2.2	54.9	53.7	52	49.7	46.3	42.1	39.6	33.7	22.9	1"¼	1"¼	505	15.8	
KVC 55-50 M	60212495	1x230V	1.5	0.85	1.15	6.6	54.9	53.7	52	49.7	46.3	42.1	39.6	33.7	22.9	1"¼	1"¼	505	15.8	
KVC 55-50 T	60179398	3x230-400V~	1.5	1	1.36	4.4-2.6	68.6	67.1	65	62.1	57.9	52.7	49.5	42.1	28.6	1"¼	1"¼	533	17	
KVC 65-50 M	60211873	1x230V	2	1.4	1.9	8.9	68.6	67.1	65	62.1	57.9	52.7	49.5	42.1	28.6	1"¼	1"¼	533	17	
KVC 65-50 T	60179914	3x230-400V~	1.9	1.1	1.5	7.0-4	82.3	80.6	78	74.6	69.4	63.2	59.4	50.6	34.3	1"¼	1"¼	600	20.2	
KVC 75-50 M	60211874	1x230V	2.26	1.4	1.9	10	82.3	80.6	78	74.6	69.4	63.2	59.4	50.6	34.3	1"¼	1"¼	600	19.8	
KVC 75-50 T	60179915	3x230-400V~	2.1	1.5	2	7.7-4.3	96	94	91	87	81	73.8	69.3	59	40	1"¼	1"¼	627	21.2	
							96	94	91	87	81	73.8	69.3	59	40	1"¼	1"¼	627	20.6	

KVC, KVCX

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH INTEGRAL SHAFT



KVC

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															DNA GAS	DNM GAS	H mm	WEIGHT KG								
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		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							
KVC 20-80 M	60212454	1x230V	0.84	0.75	1	3.7	H(m)	25	24.8	24.4	23.8	23.1	22.3	21.5	20.5	19	17.3	16	11.9	7.4	4.8							G1"¼	G1"¼	505	14.7		
KVC 30-80 M	60212452	1x230V	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									G1"¼	G1"¼	505	13.7
KVC 30-80 T	60183411	3x230-400V~	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									G1"¼	G1"¼	505	13.9
KVC 40-80 M	60211586	1x230V	1.63	1.1	1.5	7.3		50.1	49.7	49	48	46.7	45.1	44.2	42	38.5	35.7	32.5	25.5	17.1	12.5									G1"¼	G1"¼	560	18
KVC 40-80 T	60183804	3x230-400V~	1.49	1.1	1.5	4,5-2,6		50.1	49.7	49	48	46.7	45.1	44.2	42	38.5	35.7	32.5	25.5	17.1	12.5									G1"¼	G1"¼	560	17.6
KVC 45-80 M	60211892	1x230V	2.11	1.8	2.5	9.4		64.6	64.5	63.9	63	61.7	60	59	56.7	52.5	49.3	45	37.1	26.8	21.1									G1"¼	G1"¼	634	18
KVC 45-80 T	60183805	3x230-400V~	1.93	1.5	2	6-3,4		64.6	64.5	63.9	63	61.7	60	59	56.7	52.5	49.3	45	37.1	26.8	21.1									G1"¼	G1"¼	634	17.6
KVC 55-80 M	60211893	1x230V	2.45	1.8	2.5	10.8		76.1	75.8	75.1	73.9	72.2	70	68.5	66	60.5	56.7	52	41.8	29.5	22.7									G1"¼	G1"¼	727	22
KVC 55-80 T	60183806	3x230-400V~	2.28	1.8	2.5	6,8-3,9		76.1	75.8	75.1	73.9	72.2	70	68.5	66	60.5	56.7	52	41.8	29.5	22.7									G1"¼	G1"¼	727	22.1
KVC 65-80 T	60183807	3x230-400V~	2.66	2.2	3	7,7-4,4		88.6	88	86.9	85.5	83.5	81.2	80	76.5	71	67	62	51.1	37.9	30.5									G1"¼	G1"¼	727	22.1
KVC 25-120 T	60179878	3x230-400V~	1.4	1	1.36	5-2,9		30.4	30.3	30.2	30	29.9	29.6	29.3	28.7	27.7	26.9	25.9	23.2	19.9	18.2	16.4	12	7					G1"¼	G1"¼	450	17.1	
KVC 35-120 M	60211582	1x230V	1.98	1.1	1.5	8.8		46.2	46.1	45.7	45.3	44.8	44	43.7	42.7	40.9	39.3	37.4	33.7	29.4	26.8	24.2	18	11					G1"¼	G1"¼	480	20.1	
KVC 35-120 T	60179872	3x230-400V~	2	1.1	1.5	6,4-3,7		46.2	46.1	45.7	45.3	44.8	44	43.7	42.7	40.9	39.3	37.4	33.7	29.4	26.8	24.2	18	11					G1"¼	G1"¼	480	20.2	
KVC 45-120 M	60211923	1x230V	2.83	1.8	2.5	13.4		62.4	62	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	26.3	17					G1"¼	G1"¼	507	20.2	
KVC 45-120 T	60179863	3x230-400V~	2.6	1.8	2.5	7,6-4,4		62.4	62	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	26.3	17					G1"¼	G1"¼	507	21.9	
KVC 60-120 T	60179867	3x230-400V~	3.1	2.2	3	9-5,2		78	77.5	76.7	75.9	75.1	73.9	73.3	71.5	68.3	65.9	63.2	58	51	47	43.4	35	24.5					G1"¼	G1"¼	610	21.6	
KVC 70-120 T	60179876	3x230-400V~	3.8	3	4	10,9-6,3		95	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	31					G1"¼	G1"¼	675	24	
KVC 85-120 T	60179865	3x230-400V~	4.2	3	4	12,3-7,1		112.7	111.6	110.3	109	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					G1"¼	G1"¼	702	25	

KVCX

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA GAS	DNM GAS	H mm	WEIGHT KG												
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	0.6	1.2	1.8	2.4	3	3.3	3.9	4.8																	
			Q=l/min	Q=l/min		0	10	20	30	40	50	55	65	80																		
KVCX 50-30 T	60183588	3x230-400V~	0.75	1	3,5-2	H(m)	61.5	59.9	56.8	52.2	46	38	33.5	22.7															1"¼	1"¼	652	17.5
KVCX 60-30 T	60183589	3x230-400V~	0.9	1.2	3,8-2,2		69.6	67.6	64	58.5	51.1	41.8	36.2	23.8																1"¼	1"¼	652

KVC, KVCX

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH INTEGRAL SHAFT



KVCX

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																DNA GAS	DNM GAS	H mm	WEIGHT KG					
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOM.		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								
KVCX 40-50 M	60212498	1x230V	1.25	0.85	1.15	5.5	H (m)	54.9	53.7	52	49.7	46.3	42.1	39.6	33.7	22.9											1"¼	1"¼	505	15.8	
KVCX 40-50 T	60179402	3x230-400V~	1.2	0.8	1.1	4,1-2,4		54.9	53.7	52	49.7	46.3	42.1	39.6	33.7	22.9											1"¼	1"¼	505	15.8	
KVCX 55-50 M	60212499	1x230V	1.5	0.85	1.15	6.6		68.6	67.1	65	62.1	57.9	52.7	49.5	42.1	28.6												1"¼	1"¼	533	17
KVCX 55-50 T	60179403	3x230-400V~	1.5	1	1.36	4,7-2,7		68.6	67.1	65	62.1	57.9	52.7	49.5	42.1	28.6												1"¼	1"¼	533	17
KVCX 65-50 M	60211875	1x230V	2	1.4	1.9	8.9		82.3	80.6	78	74.6	69.4	63.2	59.4	50.6	34.3												1"¼	1"¼	600	20.2
KVCX 65-50 T	60179919	3x230-400V~	1.9	1.1	1.5	5,9-3,4		82.3	80.6	78	74.6	69.4	63.2	59.4	50.6	34.3												1"¼	1"¼	600	19.8
KVCX 75-50 M	60211876	1x230V	2.26	1.4	1.9	10		96	94	91	87	81	73.8	69.3	59	40												1"¼	1"¼	627	21.2
KVCX 75-50 T	60179917	3x230-400V~	2.1	1.5	2	6,6-3,8		96	94	91	87	81	73.8	69.3	59	40												1"¼	1"¼	627	20.6
KVCX 30-80 M	60212453	1x230V	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							G1"¼	G1"¼	505	13.7
KVCX 30-80 T	60183812	3x230-400V~	1.17	0.9	1.2	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							G1"¼	G1"¼	505	13.9
KVCX 40-80 M	60211588	1x230V	1.63	1.1	1.5	7.3		50.1	49.7	49	48	46.7	45.1	44.2	42	38.5	35.7	32.5	25.5	17.1	12.5							G1"¼	G1"¼	560	18
KVCX 40-80 T	60183795	3x230-400V~	1.49	1	1.36	4,5-2,6		50.1	49.7	49	48	46.7	45.1	44.2	42	38.5	35.7	32.5	25.5	17.1	12.5							G1"¼	G1"¼	560	17.6
KVCX 45-80 M	60211895	1x230V	2.11	1.8	2.45	9.4		64.6	64.5	63.9	63	61.7	60	59	56.7	52.5	49.3	45	37.1	26.8	21.1							G1"¼	G1"¼	634	18
KVCX 45-80 T	60183796	3x230-400V~	1.93	1.5	2	6,3-3,4		64.6	64.5	63.9	63	61.7	60	59	56.7	52.5	49.3	45	37.1	26.8	21.1							G1"¼	G1"¼	634	17.6
KVCX 55-80 M	60211903	1x230V	2.45	1.8	2.45	10.8		76.1	75.8	75.1	73.9	72.2	70	68.5	66	60.5	56.7	52	41.8	29.5	22.7							G1"¼	G1"¼	727	22
KVCX 55-80 T	60183797	3x230-400V~	2.28	1.85	2.5	6,8-3,9		76.1	75.8	75.1	73.9	72.2	70	68.5	66	60.5	56.7	52	41.8	29.5	22.7							G1"¼	G1"¼	727	22.1
KVCX 65-80 T	60183798	3x230-400V~	2.66	2.2	3	7,7-4,4		88.6	88	86.9	85.5	83.5	81.2	80	76.5	71	67	62	51.1	37.9	30.5							G1"¼	G1"¼	727	22.1
KVCX 25-120 M	60211581	1x230V	1.46	1.1	1.5	6.5		30.4	30.3	30.2	30	29.9	29.6	29.3	28.7	27.7	26.9	25.9	23.2	19.9	18.2	16.4	12	7			G1"¼	G1"¼	450	17	
KVCX 25-120 T	60179880	3x230-400V~	1.4	1	1.36	5,2-2,9		30.4	30.3	30.2	30	29.9	29.6	29.3	28.7	27.7	26.9	25.9	23.2	19.9	18.2	16.4	12	7			G1"¼	G1"¼	450	17.1	
KVCX 35-120 M	60211579	1x230V	1.98	1.1	1.5	8.8		46.2	46.1	45.7	45.3	44.8	44	43.7	42.7	40.9	39.3	37.4	33.7	29.4	26.8	24.2	18	11			G1"¼	G1"¼	480	20.1	
KVCX 35-120 T	60179866	3x230-400V~	2	1.1	1.5	6,4-3,7	46.2	46.1	45.7	45.3	44.8	44	43.7	42.7	40.9	39.3	37.4	33.7	29.4	26.8	24.2	18	11			G1"¼	G1"¼	480	20.2		
KVCX 45-120 M	60211922	1x230V	2.83	1.8	2.45	13.4	62.4	62	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	26.3	17			G1"¼	G1"¼	507	20.2		
KVCX 45-120 T	60179376	3x230-400V~	2.6	1.85	2.5	7,6-4,4	62.4	62	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	26.3	17			G1"¼	G1"¼	507	21.9		
KVCX 60-120 T	60179856	3x230-400V~	3.1	2.2	3	9,5-2	78	77.5	76.7	75.9	75.1	73.9	73.3	71.5	68.3	65.9	63.2	58	51	47	43.4	35	24.5			G1"¼	G1"¼	610	21.6		
KVCX 70-120 T	60179871	3x230-400V~	3.8	3	4	10,9-6,3	95	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	31			G1"¼	G1"¼	675	24		
KVCX 85-120 T	60179860	3x230-400V~	4.2	3	4	12,3-7,1	112.7	111.6	110.3	109	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			G1"¼	G1"¼	702	25		

DAB SERVICES
HEATING AND AIR CONDITIONING
ES/BOX LINE
CONTROL UNIT
WATER PRESSURIZATION
BOOSTER SETS
END SUCTION AND VERTICAL MULTISTAGE PUMPS
DRAINAGE AND SEWAGE
GROUNDWATER AND IRRIGATION
SWIMMING POOL PUMPS
FIRE FIGHTING

NKVE 1, 3, 6, 10, 15, 20 - S MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



The product image is purely indicative.

Vertical multistage centrifugal pumps in AISI 304 stainless steel with coupling and MCE-P variable frequency drive installed as standard, designed for pressurization, water circulation in heating and air conditioning systems in civil and commercial installations, agriculture and irrigation systems, and washing systems.

All liquid contact parts are in AISI 304 stainless steel (on request in AISI 316 stainless steel, X versions).

Standardised flanges and standard centre distances for easy pump replacement.

Cartridge mechanical seal that can be removed without removing the motor starting from 5.5 kW models.

Mechanical seals for aggressive liquids and various connections (oval, Victaulic flanges) available.

Certified for use with drinking water (WRAS and ACS certifications). Coupled via rigid coupling to standardised IE2 two-pole 0.37 kW motors and IE3 0.75 kW motors.

Remote control is possible thanks to the DConnect service (DConnect Box supplied separately).

Operating range

1 To 30 m³/h with head up to 320 metres.

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum % glycol 30%.

Supported liquid temperature

-30 °C to +120 °C (EPDM).

-15 °C to +120 °C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum working pressure bar / kPa 25 bar / 2500 kPa.

Motor protection degree IP55.

Motor insulation class F.

Impeller construction material

AISI 304 NKV S stainless steel.

AISI 316 NKV X stainless steel (solely on request).

Single-phase power supply 1x230 V up to 2.2 kW.

Three-phase power supply

380 - 415 V at 50 Hz 3 kW.

Type of installation possible vertical position.

Special versions available on request

Yes, available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic flanges, clamps), **with liquid contact parts in AISI 316 stainless steel (X versions)**, other voltages and frequencies.



MCE-P
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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.



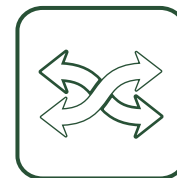
PERFORMANCE FOR EVERY NEED

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 1, 3, 6, 10, 15, 20 - S MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



NKVE 1 S - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 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	33.3	42					
NKVE 1/03 S 003 M MCE11/P	60206471	1 x 230V	0.4	0.5	5.5	H (m)	21.5	20	19	17	14	11	25	25	752	250	23.8
NKVE 1/05 S 003 M MCE11/P	60206472	1 x 230V	0.4	0.5	5.5		35	33	30.5	27	22.5	17	25	25	797	250	24.8
NKVE 1/07 S 003 M MCE11/P	60206473	1 x 230V	0.4	0.5	5.5		48	45	41.5	36.5	30	22	25	25	842	250	25.8
NKVE 1/09 S 005 M MCE11/P	60206467	1 x 230V	0.6	0.8	6.9		61.5	58	53	47	39	28.5	25	25	887	250	27.2
NKVE 1/11 S 005 M MCE11/P	60206468	1 x 230V	0.6	0.8	6.9		74.5	69.5	64	56.5	46.5	34	25	25	932	250	28.2
NKVE 1/13 S 007 M MCE11/P	60190493	1 x 230V	0.8	1	8.1		89.5	84.5	77.5	68.5	57	42	25	25	993	250	32.5
NKVE 1/15 S 007 M MCE11/P	60190494	1 x 230V	0.8	1	8.1		102.5	96	88	78	64	47	25	25	1038	250	33
NKVE 1/19 S 011 M MCE11/P	60190495	1 x 230V	1.1	1.5	10.9		131	123.5	114	101	84	62	25	25	1128	250	36.6
NKVE 1/22 S 011 M MCE11/P	60190496	1 x 230V	1.1	1.5	10.9		150.5	141.5	130	115	95	69.5	25	25	1195	250	38.1
NKVE 1/25 S 015 M MCE11/P	60190497	1 x 230V	1.5	2	13.9		174	164	151.5	134.5	112	83.5	25	25	1308	250	43
NKVE 1/30 S 015 M MCE11/P	60190498	1 x 230V	1.5	2	13.9		206.5	194.5	179	158	131	96.5	25	25	1420	250	45
NKVE 1/34 S 030 T MCE30/P	60207569	3x380-415Δ	3	4	7.1		238	225.5	208.5	185.5	155.5	116.5	25	25	1510	250	49
NKVE 1/37 S 030 T MCE30/P	60207570	3x380-415Δ	3	4	7.1		258	244	225.5	200.5	167.5	125	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
		POWER SUPPLY 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	33.3	42	50	58.3	67	75					
NKVE 3/04 S 003 M MCE11/P	60206474	1 x 230V	0.4	0.5	5.5	H (m)	30	28.5	27.5	26	24	21.5	18.5	15	10.5	25	25	774	250	24.3
NKVE 3/06 S 005 M MCE11/P	60206469	1 x 230V	0.6	0.8	6.9		44.5	42.5	40.5	38.5	35.5	32	27	21.5	15	25	25	819	250	25.7
NKVE 3/09 S 007 M MCE11/P	60190503	1 x 230V	0.8	1	8.1		67	64	61.5	58	53.5	48	41	32.5	22.5	25	25	903	250	30.5
NKVE 3/11 S 011 M MCE11/P	60190504	1 x 230V	1.1	1.5	10.9		82.5	79.5	76.5	72.5	67	60.5	52	42	29.5	25	25	948	250	33.1
NKVE 3/13 S 011 M MCE11/P	60190505	1 x 230V	1.1	1.5	10.9		96.5	93	89	84.5	78	70	60	47.5	33.5	25	25	993	250	34.1
NKVE 3/15 S 015 M MCE11/P	60190506	1 x 230V	1.5	2	13.9		112.5	109	105	99.5	92.5	83	71.5	58	41.5	25	25	1083	250	38.5
NKVE 3/17 S 015 M MCE11/P	60190507	1 x 230V	1.5	2	13.9		127	122.5	118	111.5	103.5	93	80	64	45.5	25	25	1128	250	39
NKVE 3/21 S 022 M MCE15/P	60190508	1 x 230V	2.2	3	19.4		158.5	153.5	148	140.5	130.5	118	102	83	60	25	25	1218	250	43
NKVE 3/25 S 022 T MCE30/P	60187820	3x380-415Δ	2.2	3	5.4		187.5	181	174.5	165.5	153.5	138	119	96	68.5	25	25	1308	250	45
NKVE 3/29 S 030 T MCE30/P	60187821	3x380-415Δ	3	4	7.1		220	213.5	206.5	196.5	183.5	166	144	117.5	86	25	25	1447	250	57.3
NKVE 3/33 S 030 T MCE30/P	60190509	3x380-415Δ	3	4	7.1		249.5	242	234	222	206.5	187	162	131.5	95.5	25	25	1537	250	59.3

NKVE 1, 3, 6, 10, 15, 20 - S MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



NKVE 6 S - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA													DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 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	58.3	67	75	83.3	90	100	116.7								
NKVE 6/02 S 003 M MCE11/P	60206475	1x230V	0.4	0.5	5.5	H (m)	15	13.5	13	12.5	12	11.5	11	10	8	32	32	736	250	23.8			
NKVE 6/04 S 005 M MCE11/P	60206470	1x230V	0.6	0.8	6.9		29.5	26	25	24	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	1x230V	0.8	1	8.1		44.5	39.5	37.5	36	34	32.5	30.5	28	22	32	32	856	250	29.5			
NKVE 6/09 S 011 M MCE11/P	60190513	1x230V	1.1	1.5	10.9		67	59	56.5	54	51.5	48.5	46	42.5	33.5	32	32	934	250	32.6			
NKVE 6/11 S 015 M MCE11/P	60190514	1x230V	1.5	2	13.9		82.5	73.5	71	67.5	64.5	61	58	53.5	42.5	32	32	1031	250	37.5			
NKVE 6/13 S 015 M MCE11/P	60190515	1x230V	1.5	2	13.9		97	86	82	78.5	74.5	70.5	67	61.5	48.5	32	32	1083	250	38.5			
NKVE 6/16 S 022 M MCE15/P	60190516	1x230V	2.2	3	19.4		120.5	108	104	99	94.5	89.5	85.5	78.5	62.5	32	32	1161	250	42			
NKVE 6/19 S 030 T MCE30/P	60207573	3x380-415Δ	3	4	7.1		142	126.5	121.5	115.5	110	104	99	91	72	32	32	1239	250	43.5			
NKVE 6/21 S 030 T MCE30/P	60190518	3x380-415Δ	3	4	7.1		159	144.5	139	133	127	120.5	115	106	85.5	32	32	1340	250	54.8			
NKVE 6/25 S 030 T MCE30/P	60190519	3x380-415Δ	3	4	7.1		189	170	164	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	3x380-415Δ	4	5.5	10.1		214	194.5	188	181	173.5	164.5	156.5	143	115.5	32	32	1522	250	62			
NKVE 6/33 S 040 T MCE30/P	60190521	3x380-415Δ	4	5.5	10.1		251.5	227	219.5	211	201.5	191	182	166	133.5	32	32	1652	250	65			
*NKVE 6/36 V 055 T MCE55/P	60220366	3x380-415Δ	5.5	7.5	12.6		275	249.5	241.5	232.5	222.5	211.5	201.5	184	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
		POWER SUPPLY 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	83.3	100	116.7	133	150	166.7	183	233.3								
NKVE 10/02 S 007 M MCE11/P	60190523	1x230V	0.8	1	8.1	H (m)	20	20	19	18.5	17.5	17	16	15	13.5	9	40	40	773	280	28.5			
NKVE 10/03 S 011 M MCE11/P	60185542	1x230V	1.1	1.5	10.9		30	30	28.5	27.5	26.5	25.5	24	22.5	20.5	13.5	40	40	803	280	31.1			
NKVE 10/04 S 015 M MCE11/P	60190524	1x230V	1.5	2	13.9		40.5	40	38.5	37	35.5	34	32.5	30.5	28	18	40	40	878	280	35			
NKVE 10/05 S 015 M MCE11/P	60190525	1x230V	1.5	2	13.9		50.5	49.5	47	45.5	43.5	41.5	39.5	37	33.5	21.5	40	40	908	280	35.5			
NKVE 10/06 S 022 M MCE15/P	60188934	1x230V	2.2	3	19.4		61	60.5	57.5	56	54	51.5	49	46	42	27.5	40	40	938	280	38.5			
NKVE 10/07 S 022 M MCE15/P	60190526	1x230V	2.2	3	19.4		70.5	70	66.5	64.5	62	59.5	56	52.5	48	31	40	40	968	280	39			
NKVE 10/08 S 030 T MCE30/P	60190527	3x380-415Δ	3	4	7.1		81.5	81	78	75.5	73	70	66.5	62.5	57.5	38	40	40	1047	280	50.3			
NKVE 10/09 S 030 T MCE30/P	60190528	3x380-415Δ	3	4	7.1		91.5	91	87.5	84.5	81.5	78	74	69.5	64	42	40	40	1077	280	50.8			
NKVE 10/10 S 040 T MCE30/P	60190529	3x380-415Δ	4	5.5	10.1		102.5	102.5	99	96	93	89	84.5	79.5	73.5	49	40	40	1107	280	55			
NKVE 10/12 S 040 T MCE30/P	60190530	3x380-415Δ	4	5.5	10.1		123	122.5	117.5	114	110	105.5	100.5	94	87	57.5	40	40	1167	280	56.5			
NKVE 10/15 S 055 T MCE55/P	60190531	3x380-415Δ	5.5	7.5	12.6		153.5	153	147	142.5	138	132	125.5	118	109	72	40	40	1454	280	85.1			
NKVE 10/17 S 055 T MCE55/P	60190532	3x380-415Δ	5.5	7.5	12.6		173.5	172.5	165.5	160.5	155	148.5	141	132.5	122	80.5	40	40	1514	280	86.1			
NKVE 10/19 S 075 T MCE55/P	60190533	3x380-415Δ	7.5	10	16.5		195	194.5	187.5	182	176	169	160.5	151	139.5	93	40	40	1646	280	96			
NKVE 10/23 S 075 T MCE55/P	60190534	3x380-415Δ	7.5	10	17.3		235.5	234	225	218.5	211	202	192	180.5	166.5	110	40	40	1766	280	98.5			
NKVE 10/24 S 110 T MCE110/P	60190535	3x380-415Δ	11	15	24.8		248	247	240.5	234	227	218	208	196	182	122.5	40	40	1891	280	124.5			

NKVE 1, 3, 6, 10, 15, 20 - S MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



NKVE 15 S - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 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								
NKVE 15/02 S 015 M MCE15/P	60207585	1 x 230V	1.5	2	13.9	H(m)	29	26	25	24	23	21.5	19.5	17	14	11	50	50	878	300	43			
NKVE 15/03 S 022 M MCE22/P	60207586	1 x 230V	2.2	3	19.4		43.5	39	38	36.5	34.5	32.5	29.5	26	21.5	17	50	50	975	300	54.8			
NKVE 15/04 S 030 T MCE30/P	60207603	3 x 380-415Δ	3	4	7.1		58	52.5	51	49	46.5	44	40.5	35.5	29.5	23.5	50	50	1023	300	60			
NKVE 15/05 S 040 T MCE55/P	60190538	3 x 380-415Δ	4	5.5	10.1		72.5	65.5	63.5	60.5	57.5	54.5	49.5	43	36	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	12.6		87.5	79.5	77	74	71	67	61.5	54	46	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	12.6		102	92	89	86	82	77.5	70.5	62	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	16.5		117	106.5	103	99.5	95	90	82.5	72.5	62	49	50	50	1496	300	101.5			
NKVE 15/09 S 075 T MCE55/P	60190542	3 x 380-415Δ	7.5	10	16.5		131.5	119	115.5	111	106	100.5	92	81	69	54.5	50	50	1544	300	103			
NKVE 15/10 S 110 T MCE110/P	60190543	3 x 380-415Δ	11	15	24.8		147.5	134.5	131	126.5	121	115	106	94	80.5	65	50	50	1687	300	130			
NKVE 15/12 S 110 T MCE110/P	60190544	3 x 380-415Δ	11	15	24.8		176.5	161	156.5	151	144.5	137.5	126.5	112	96	77	50	50	1783	300	133			
NKVE 15/14 S 110 T MCE110/P	60190545	3 x 380-415Δ	11	15	24.8		205.5	187.5	182	175.5	168	159	146	129	110.5	88	50	50	1879	300	136			
NKVE 15/16 S 150 T MCE150/P	60190546	3 x 380-415Δ	15	20	33.6		235.5	214	208	200.5	192	182.5	167.5	148	126.5	101.5	50	50	2026	300	147.5			
NKVE 15/17 S 150 T MCE150/P	60190547	3 x 380-415Δ	15	20	33.6		249.5	227.5	220.5	213	203.5	193	177.5	156.5	134	107	50	50	2074	300	149			

NKVE 20 S - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	10	12	14	16	18	20	22	24	28								
			kW	HP		Q=l/min	0	167	200	233	266	300	333	367	400	467								
NKVE 20/02 S 022 M MCE15/P	60190548	1 x 230V	2.2	3	19.4	H(m)	31	27.5	27	26	25	24	22.5	20.5	18	12	50	50	878	300	43			
NKVE 20/03 S 030 T MCE30/P	60190549	3 x 380-415Δ	3	4	7.1		46.5	41.5	40.5	39.5	38	36.5	34.5	31	27.5	18.5	50	50	975	300	54.8			
NKVE 20/04 S 040 T MCE55/P	60190550	3 x 380-415Δ	4	5.5	10.1		62.5	56	55	53.5	51.5	49.5	46.5	42.5	37	25.5	50	50	1023	300	60			
NKVE 20/05 S 055 T MCE55/P	60189126	3 x 380-415Δ	5.5	7.5	12.9		78	70	68.5	66.5	64.5	62	58	53	47	32.5	50	50	1280	300	89.1			
NKVE 20/06 S 075 T MCE55/P	60190551	3 x 380-415Δ	7.5	10	14.1		94.5	86.5	84.5	82.5	80	77.5	73.5	67.5	60	42.5	50	50	1400	300	99			
NKVE 20/07 S 075 T MCE55/P	60190552	3 x 380-415Δ	7.5	10	16.5		110	100.5	98	95.5	93	90	85	77.5	69	48.5	50	50	1448	300	100			
NKVE 20/08 S 110 T MCE110/P	60190553	3 x 380-415Δ	11	15	24.8		126.5	117	114	112	109	106	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	15	24.8		142.5	131	128	125.5	122	118.5	112.5	103.5	92.5	66.5	50	50	1639	300	129			
NKVE 20/10 S 110 T MCE110/P	60190555	3 x 380-415Δ	11	15	24.8		158	145.5	142	139	135	131.5	124.5	114	102	73	50	50	1687	300	130			
NKVE 20/12 S 150 T MCE150/P	60190556	3 x 380-415Δ	15	20	33.6		189.5	174.5	170.5	167	162	157.5	149	137	122.5	87.5	50	50	1834	300	142			
NKVE 20/14 S 150 T MCE150/P	60190557	3 x 380-415Δ	15	20	33.6		220.5	202.5	198	193.5	188	182.5	172.5	158	141	100.5	50	50	1930	300	145			

SPECIAL VERSIONS

MODEL
NKV 1 - 3 - 6 - 10
NKV 15 - 20

SPECIAL MECHANICAL SEALS

- (1) **SPECIAL Mech. Seal type QQE** = SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
- (2) **SPECIAL Mech. Seal type QQV** = SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
- (3) **SPECIAL Mech. Seal type BQV** = SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
- (4) **SPECIAL Mech. Seal type UUE** = WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKVE 32, 45, 65, 95 - MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



The product image is purely indicative.

Vertical multistage centrifugal pumps in AISI 304 stainless steel and cast iron with coupling, designed for pressurization, water circulation in heating and air conditioning systems in civil and commercial installations, agriculture and irrigation systems, and washing systems.

Particularly versatile thanks to the use of the MCE-P variable frequency drive, it guarantees performance that can automatically adapt to different system requirements while maintaining constant pressure.

Pressure sensor supplied as standard.

Cataphoresis treated cast iron pump body.

AISI 304 stainless steel impellers, diffusers and pump liner, X version in AISI 316 stainless steel on request.

The pumps are particularly versatile due to the centre distance between the in-line ports designed to maximise interchangeability. Graphite/silicon carbide/EPDM cartridge mechanical seal that can be removed without removing the motor starting from 5.5 kW models.

Mechanical seals for aggressive liquids available on request.

Connections: cast iron or AISI 316 round flanges.

Coupled via removable rigid coupling to energy-efficient IE3 electric motors.

WRAS and ACS certified.

Remote control is possible thanks to the DConnect service (with DConnect Box supplied separately).

Operating range

1 To 120 m³/h with head up to 320 metres.

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum % glycol 30%.

Supported liquid temperature

-30 °C to +120 °C (EPDM).

-15 °C to +120 °C (Viton/FKM).

Motor protection degree IP55.

Motor insulation class F.

Impeller construction material Cast iron or AISI 316 NKV X stainless steel (solely on request).

Single-phase power supply 1x230 V up to 2.2 kW.

Three-phase power supply 380 - 415 V at 50 Hz 3 kW.

Type of installation possible vertical position.

Special versions available on request

Yes, available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic flanges, clamps), **with liquid contact parts in AISI 316 stainless steel (X versions)**, other voltages and frequencies.



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NKVE 32 - MCE-P

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA												
		POWER SUPPLY 50 Hz	P2 NOM.		In A	Q=1/min													
			kW	HP		Q=m ³ /h	0	15	18	22	25	30	35	40	45	DNA	DNM	H mm	CENTRE DISTANCE mm
NKVE 32/2 T MCE 55/P	60192237	3x380-415Δ	5.5	7.5	12.6	H (m)													
NKVE 32/3-2 T MCE 55/P	60192238	3x380-415Δ	5.5	7.5	12.6	48.5	43.5	42.5	41	39.5	36.5	33.5	29	23.5	65	65	1311	320	148
NKVE 32/3 T MCE 110/P	60167485	3x380-415Δ	7.5	10	17.3	60	54.5	53	50.5	48	44	38	31.5	23.5	65	65	1392	320	152
NKVE 32/4 T MCE 110/P	60167486	3x380-415Δ	11	15	24.8	73	65	63.5	61	59	55	50	43.5	35.5	65	65	1440	320	163
NKVE 32/5-2 T MCE 110/P	60167487	3x380-415Δ	11	15	24.8	98	88	86	83	80.5	75	69	60	49.5	65	65	1657	320	218
NKVE 32/5 T MCE 150/P	60167488	3x380-415Δ	15	20	33.6	109.5	99.5	97	93	89.5	83	74	63	49.5	65	65	1739	320	222
NKVE 32/6 T MCE 150/P	60167489	3x380-415Δ	15	20	33.6	122.5	109.5	107	103.5	100	93.5	85.5	75	61.5	65	65	1739	320	236
NKVE 32/7 T MCE 150/P	60167490	3x380-415Δ	15	20	33.6	146.5	131	128	123.5	119.5	111.5	102	89	73	65	65	1821	320	240
NKVE 32/7-2 T MCE 150/P	60167490	3x380-415Δ	15	20	33.6	158	142.5	139	133.5	128.5	119	107	91.5	72.5	65	65	1903	320	244

NKVE 32, 45, 65, 95 - MCE-P

VERTICAL SHAFT MULTISTAGE PUMPS WITH MCE-P VARIABLE FREQUENCY DRIVE



NKVE 45 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOM.		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						
NKVE 45/2-2 T MCE 55/P	60192239	3x380-415Δ	5.5	7.5	12.6	H (m)	38.5	37	35.5	34.5	31	23	18.5	14.5	10	80	80	1345	365	154	
NKVE 45/2 T MCE 110/P	60167491	3x380-415Δ	7.5	10	16.5		48.5	47	45.5	44	41.5	34	30.5	26.5	23	80	80	1393	365	165	
NKVE 45/3 T MCE 110/P	60167492	3x380-415Δ	11	15	25.1		73.5	71	69	67	63	52.5	47	41	34	80	80	1610	365	220	
NKVE 45/4 T MCE 150/P	60167493	3x380-415Δ	15	20	33.6		97.5	94.5	91.5	89	84	69.5	62	54.5	45	80	80	1692	365	238	

NKVE 65 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOM.		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						
NKVE 65/2-2 T MCE 110/P	60192240	3x380-415Δ	7.5	10	17.3	H (m)	39	37.5	35.5	35	33	31	25	22	17.5	100	100	1484	365	169.5	
NKVE 65/2 T MCE 110/P	60192241	3x380-415Δ	11	15	25.1		56.5	51	48.5	48	46	45	41	38.5	34.5	100	100	1619	365	220.5	
NKVE 65/3-2 T MCE 150/P	60192242	3x380-415Δ	15	20	33.6		67.5	63.5	60.5	59.5	56.5	54	46.5	42	35.5	100	100	1711	365	239	

NKVE 95 - MCE-P

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOM.		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						
NKVE 95/2-2 T MCE 110/P	60192243	3x380-415Δ	11	15	25.1	H (m)	44.5	43	41	38.5	36.5	34	28.5	21.5	15	100	100	1619	380	221	
NKVE 95/2 T MCE 150/P	60192244	3x380-415Δ	15	20	33.6		62	55.5	51.5	49	47.5	45	41	35	28.5	100	100	1619	380	235	

SPECIAL VERSIONS

MODEL
NKV 32 - 45 - 65 - 95

SPECIAL MECHANICAL SEALS

- (1) **SPECIAL Mech. Seal type QQE** = SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
- (2) **SPECIAL Mech. Seal type QVQ** = SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
- (3) **SPECIAL Mech. Seal type BQV** = SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
- (4) **SPECIAL Mech. Seal type UUE** = WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



The product image is purely indicative.

Vertical multistage centrifugal pumps in AISI 304 stainless steel with coupling, designed for pressurization, water circulation in heating and air conditioning systems in civil and commercial installations, agriculture and irrigation systems, and washing systems. All liquid contact parts are in AISI 304 stainless steel (on request in AISI 316 stainless steel, X versions).

Standardised flanges and standard centre distances for easy pump replacement.

Cartridge mechanical seal that can be removed without removing the motor starting from 5.5 kW models.

Mechanical seals for aggressive liquids and various connections (oval, Victaulic flanges) available.

Certified for use with drinking water (WRAS and ACS certifications).

Coupled via rigid coupling to standardised IE2 two-pole 0.37 kW motors and IE3 0.75 kW motors.

Operating range

1 m³/h to 28 m³/h with head up to 240 metres.

Pumped liquid clean, free of solid or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum % glycol 30%.

Supported liquid temperature

-30 °C to +120 °C (EPDM).

-15 °C to +120 °C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum working pressure bar / kPa 25 bar / 2500 kPa.

Motor protection degree IP55.

Motor insulation class F.

Impeller construction material

AISI 304 NKV S stainless steel.

AISI 316 NKV X stainless steel (solely on request).

Single-phase power supply

Contact our sales network.

Three-phase power supply

220 - 240 / 380 - 415 V at 50 Hz up to 2.2 kW.

380 - 415 V at 50 Hz 3 kW.

Type of installation possible

Vertical position.

Special versions available on request

Available with different types of mechanical seals for aggressive liquids and connections (round, oval, Victaulic flanges, clamps), **with liquid contact parts 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

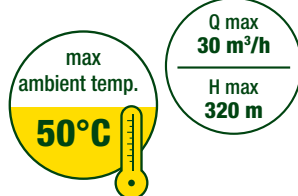


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HIGH EFFICIENCY

The NKV pumps are supplied with the new **premium efficiency motors** and comply with the highest energy efficiency standards on the water handling market.



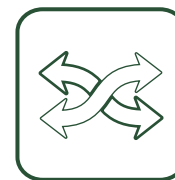
PERFORMANCE FOR EVERY NEED

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 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 1 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA						DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h		1	1.5	2	2.5					
			kW	HP		0	0.5									
NKV 1/2 ST	60206517	3x220-240Δ/380-415Y	0.37	0.5	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 ST	60206511	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	21.5	20	19	17	14	11	25	25	552	250	17.8
NKV 1/4 ST	60206519	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	28	26.5	24.5	22	18.5	14	25	25	574	250	18.3
NKV 1/5 ST	60206512	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	35	33	30.5	27	22.5	17	25	25	597	250	18.8
NKV 1/6 ST	60206513	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	41.5	39	36	32	26.5	19.5	25	25	619	250	19.3
NKV 1/7 ST	60206515	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	48	45	41.5	36.5	30	22	25	25	642	250	19.8
NKV 1/8 ST	60206518	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	55	52	48	42.5	35	26	25	25	664	250	20.7
NKV 1/9 ST	60206520	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	61.5	58	53	47	39	28.5	25	25	687	250	21.2
NKV 1/10 ST	60206534	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	68	64	58.5	51.5	43	31.5	25	25	709	250	21.7
NKV 1/11 ST	60206535	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	74.5	69.5	64	56.5	46.5	34	25	25	732	250	22.2
NKV 1/12 ST	60190298	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	83	78.5	72	64	53	39.5	25	25	770	250	26
NKV 1/13 ST	60190299	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	89.5	84.5	77.5	68.5	57	42	25	25	793	250	26.5
NKV 1/14 ST	60188895	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	96	90.5	83	73	60.5	44.5	25	25	815	250	26.5
NKV 1/15 ST	60190300	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	102.5	96	88	78	64	47	25	25	838	250	27
NKV 1/17 ST	60190301	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	118	111.5	103	91.5	76	56.5	25	25	883	250	29.6
NKV 1/19 ST	60190302	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	131	123.5	114	101	84	62	25	25	928	250	30.6
NKV 1/22 ST	60190199	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	150.5	141.5	130	115	95	69.5	25	25	995	250	32.1
NKV 1/23 ST	60190303	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	160.5	152	140	124.5	104	77.5	25	25	1063	250	36
NKV 1/25 ST	60190304	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	174	164	151.5	134.5	112	83.5	25	25	1108	250	37
NKV 1/27 ST	60190305	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	187	176.5	162.5	144	120	88.5	25	25	1153	250	38
NKV 1/30 ST	60190306	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	206.5	194.5	179	158	131	96.5	25	25	1220	250	39
NKV 1/32 ST	60207565	3x380-415 VΔ~	3	4	5.6	224.5	213	197	175.5	147.5	110.5	25	25	1304	250	49
NKV 1/34 ST	60207567	3x380-415 VΔ~	3	4	5.6	238	225.5	208.5	185.5	155.5	116.5	25	25	1349	250	50
NKV 1/37 ST	60207571	3x380-415 VΔ~	3	4	5.6	258	244	225.5	200.5	167.5	125	25	25	1417	250	51.5

H(m)

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 3 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h															
			Q=l/min	0		1	1.5	2	2.5	3	3.5	4	4.5	0	16.7	25					
NKV3/2ST	60206541	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	15	15	14.5	13.5	12.5	11.5	10	8	6	25	25	529	250	17.3		
NKV3/3ST	60206514	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	22.5	22	21	20	18.5	17	14.5	12	8.5	25	25	552	250	17.8		
NKV3/4ST	60206516	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	30	28.5	27.5	26	24	21.5	18.5	15	10.5	25	25	574	250	18.3		
NKV3/5ST	60206536	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	37.5	36	34.5	32.5	30	27	23.5	18.5	13	25	25	597	250	19.2		
NKV3/6ST	60206537	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	44.5	42.5	40.5	38.5	35.5	32	27	21.5	15	25	25	619	250	19.7		
NKV3/7ST	60190313	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	52.5	50.5	48.5	46	43	38.5	33	26.5	19	25	25	658	250	23.5		
NKV3/8ST	60188597	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	59.5	57.5	55	52	48	43.5	37	29.5	21	25	25	680	250	24		
NKV3/9ST	60187822	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	67	64	61.5	58	53.5	48	41	32.5	22.5	25	25	703	250	24.5		
NKV3/10ST	60190314	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	75	72.5	70	66.5	61.5	55.5	48	38.5	27.5	25	25	725	250	26.6		
NKV3/11ST	60190315	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	82.5	79.5	76.5	72.5	67	60.5	52	42	29.5	25	25	748	250	27.1		
NKV3/12ST	60190316	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	89.5	86	83	78.5	72.5	65	56	45	31.5	25	25	770	250	27.6		
NKV3/13ST	60190317	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	96.5	93	89	84.5	78	70	60	47.5	33.5	25	25	793	250	28.1		
NKV3/14ST	60190318	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	105.5	102	98.5	93.5	86.5	78	67.5	54.5	39.5	25	25	860	250	32		
NKV3/15ST	60190319	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	112.5	109	105	99.5	92.5	83	71.5	58	41.5	25	25	883	250	32.5		
NKV3/16ST	60190320	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	120	115.5	111.5	105.5	98	88	76	61	43.5	25	25	905	250	32.5		
NKV3/17ST	60190321	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	127	122.5	118	111.5	103.5	93	80	64	45.5	25	25	928	250	33		
NKV3/18ST	60190322	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	136.5	132.5	128	121.5	113.5	102.5	89	72.5	53	25	25	950	250	35.5		
NKV3/19ST	60190323	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	144	139.5	134.5	128	119	107.5	93.5	76	55.5	25	25	973	250	36		
NKV3/21ST	60190324	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	158.5	153.5	148	140.5	130.5	118	102	83	60	25	25	1018	250	37		
NKV3/23ST	60190325	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	173	167.5	161.5	153	142	128	110.5	89.5	64.5	25	25	1063	250	38		
NKV3/25ST	60190326	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	187.5	181	174.5	165.5	153.5	138	119	96	68.5	25	25	1108	250	39		
NKV3/27ST	60190327	3x380-415Δ	3	4	5,6	205.5	199.5	193	184	171.5	155	135	110.5	81	25	25	1202	250	47.3		
NKV3/29ST	60190328	3x380-415Δ	3	4	5,6	220	213.5	206.5	196.5	183.5	166	144	117.5	86	25	25	1247	250	48.3		
NKV3/31ST	60190329	3x380-415Δ	3	4	5,6	235	228	220.5	209.5	195	176.5	153	124.5	91	25	25	1292	250	49.3		
NKV3/33ST	60190330	3x380-415Δ	3	4	5,6	249.5	242	234	222	206.5	187	162	131.5	95.5	25	25	1337	250	50.3		

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 6 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h															
			kW	HP		0	3	3.5	4	4.5	5	5.4	6	7							
NKV6/2ST	60206542	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	15	13.5	13	12.5	12	11.5	11	10	8	32	32	536	250	17.8		
NKV6/3ST	60206543	3x220-240Δ/380-415Y	0.37	0.5	1,7/1,0	22.5	19.5	19	18	17	16	15.5	14	11	32	32	562	250	18.3		
NKV6/4ST	60206538	3x220-240Δ/380-415Y	0.55	0.75	2,4/1,4	29.5	26	25	24	22.5	21.5	20.5	18.5	14.5	32	32	588	250	19.2		
NKV6/5ST	60188893	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	37.5	33.5	32	30.5	29	27.5	26	24	19	32	32	630	250	23		
NKV6/6ST	60190336	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	44.5	39.5	37.5	36	34	32.5	30.5	28	22	32	32	656	250	23.5		
NKV6/7ST	60190337	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	52.5	47	45	43	41	39	37	34	27	32	32	682	250	25.6		
NKV6/8ST	60190338	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	59.5	53.5	51	48.5	46.5	44	42	38.5	30.5	32	32	708	250	26.1		
NKV6/9ST	60190339	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	67	59	56.5	54	51.5	48.5	46	42.5	33.5	32	32	734	250	26.6		
NKV6/10ST	60190161	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	75	67.5	65	62	59	56	53.5	49	39	32	32	805	250	30.5		
NKV6/11ST	60190340	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	82.5	73.5	71	67.5	64.5	61	58	53.5	42.5	32	32	831	250	31.5		
NKV6/12ST	60190341	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	89.5	80	76.5	73	69.5	65.5	62.5	57.5	45.5	32	32	857	250	32		
NKV6/13ST	60190357	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	97	86	82	78.5	74.5	70.5	67	61.5	48.5	32	32	883	250	32.5		
NKV6/14ST	60190342	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	105.5	95.5	92	88	83.5	79.5	76	70	56	32	32	909	250	35		
NKV6/15ST	60190344	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	113	102	98	93.5	89	84.5	80.5	74	59.5	32	32	935	250	35.5		
NKV6/16ST	60190345	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	120.5	108	104	99	94.5	89.5	85.5	78.5	62.5	32	32	961	250	36		
NKV6/17ST	60190346	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	127.5	114.5	109.5	105	99.5	94.5	90	83	66	32	32	987	250	36.5		
NKV6/18ST	60190347	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	135	120.5	115.5	110.5	105	99.5	94.5	87	69	32	32	1013	250	37		
NKV6/19ST	60207574	3x380 - 415 V Δ ~	3	4	5.6	142	126.5	121.5	115.5	110	104	99	91	72	32	32	1078	250	44.9		
NKV6/20ST	60190349	3x380-415Δ	3	4	5.6	152	138	133	127	121	115	110	101.5	82	32	32	1114	250	45.3		
NKV6/21ST	60190350	3x380-415Δ	3	4	5.6	159	144.5	139	133	127	120.5	115	106	85.5	32	32	1140	250	45.8		
NKV6/23ST	60190351	3x380-415Δ	3	4	5.6	174	157.5	151.5	144.5	138	131	125	115	92.5	32	32	1192	250	46.8		
NKV6/25ST	60190352	3x380-415Δ	3	4	5.6	189	170	164	157.5	150.5	142.5	135.5	123.5	98.5	32	32	1244	250	47.8		
NKV6/28ST	60190353	3x380-415Δ	4	5.5	7	214	194.5	188	181	173.5	164.5	156.5	143	115.5	32	32	1322	250	53		
NKV6/30ST	60190354	3x380-415Δ	4	5.5	7	229	207.5	200.5	193	184.5	175.5	167	152.5	122.5	32	32	1374	250	54.5		
NKV6/33ST	60190355	3x380-415Δ	4	5.5	7	251.5	227	219.5	211	201.5	191	182	166	133.5	32	32	1452	250	56		
*NKV6/36VT	60199907	3x380-415Δ	5.5	7.5	10	275	249.5	241.5	232.5	222.5	211.5	201.5	184	148.5	32	32	1728	250	84.1		

H(m)

* only available with Victaulic® type connection

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 10 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA														DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m ³ /h		0	3	5	6	7	8	9	10	11	14							
			kW	HP		0	50	83.3	100	116.7	133	150	166.7	183	233.3									
NKV 10/2 ST	60187831	3x220-240Δ/380-415Y	0.75	1	3,0/1,7	H(m)	20	20	19	18.5	17.5	17	16	15	13.5	9	40	40	573	280	22.5			
NKV 10/3 ST	60190358	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4		30	30	28.5	27.5	26.5	25.5	24	22.5	20.5	13.5	40	40	603	280	25.1			
NKV 10/4 ST	60190360	3x220-240Δ/380-415Y	1.5	2	5,1/3,0		40.5	40	38.5	37	35.5	34	32.5	30.5	28	18	40	40	678	280	29			
NKV 10/5 ST	60187635	3x220-240Δ/380-415Y	1.5	2	5,1/3,0		50.5	49.5	47	45.5	43.5	41.5	39.5	37	33.5	21.5	40	40	708	280	29.5			
NKV 10/6 ST	60187634	3x220-240Δ/380-415Y	2.2	3	7,8/4,6		61	60.5	57.5	56	54	51.5	49	46	42	27.5	40	40	738	280	32.5			
NKV 10/7 ST	60209146	3x220-240Δ/380-415Y	2.2	3	7,8/4,6		70.5	70	66.5	64.5	62	59.5	56	52.5	48	31	40	40	768	280	33			
NKV 10/8 ST	60190361	3x380-415Δ	3	4	5.6		81.5	81	78	75.5	73	70	66.5	62.5	57.5	38	40	40	847	280	41.3			
NKV 10/9 ST	60187630	3x380-415Δ	3	4	5.6		91.5	91	87.5	84.5	81.5	78	74	69.5	64	42	40	40	877	280	41.8			
NKV 10/10 ST	60190362	3x380-415Δ	4	5.5	7		102.5	102.5	99	96	93	89	84.5	79.5	73.5	49	40	40	907	280	46			
NKV 10/11 ST	60190363	3x380-415Δ	4	5.5	7		113	112.5	108	105	101.5	97.5	92.5	87	80.5	53.5	40	40	937	280	46.5			
NKV 10/12 ST	60187915	3x380-415Δ	4	5.5	7		123	122.5	117.5	114	110	105.5	100.5	94	87	57.5	40	40	967	280	47.5			
NKV 10/13 ST	60190364	3x380-415Δ	4	5.5	7		133	132	127	123	118.5	113.5	108	101	93.5	61.5	40	40	997	280	48			
NKV 10/15 ST	60185079	3x380-415Δ	5.5	7.5	10		153.5	153	147	142.5	138	132	125.5	118	109	72	40	40	1254	280	76.1			
NKV 10/17 ST	60190365	3x380-415Δ	5.5	7.5	10		173.5	172.5	165.5	160.5	155	148.5	141	132.5	122	80.5	40	40	1314	280	77.1			
NKV 10/19 ST	60185990	3x380-415Δ	7.5	10	13.1		195	194.5	187.5	182	176	169	160.5	151	139.5	93	40	40	1396	280	81			
NKV 10/21 ST	60190366	3x380-415Δ	7.5	10	13.1		215.5	214.5	206	200	193.5	185.5	176.5	166	153	101.5	40	40	1456	280	82.5			
NKV 10/23 ST	60190367	3x380-415Δ	7.5	10	13.1		235.5	234	225	218.5	211	202	192	180.5	166.5	110	40	40	1516	280	83.5			
NKV 10/24 ST	60185989	3x380-415Δ	11	15	19.7		248	247	240.5	234	227	218	208	196	182	122.5	40	40	1641	280	109.5			

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 15 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA												DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h																
			kW	HP		0	8	10	12	14	16	18	20	22	24							
NKV 15/1 ST	60207580	3x220-240Δ/380-415Y			0.75	1	3,0/1,7	14.5	13	12.5	12	11.5	10.5	9.5	8.5	7	5.5	50	50	633	300	28
NKV 15/2 ST	60207582	3x220-240Δ/380-415Y	1.5	2	5,1/3,0	29	26	25	24	23	21.5	19.5	17	14	11	50	50	678	300	33.5		
NKV 15/3 ST	60207591	3x380-415Δ	2.2	3	7,8/4,6	43.5	39	38	36.5	34.5	32.5	29.5	26	21.5	17	50	50	736	300	37		
NKV 15/4 ST	60207602	3x380-415Δ	3	4	5.6	58	52.5	51	49	46.5	44	40.5	35.5	29.5	23.5	50	50	775	300	45.8		
NKV 15/5 ST	60187690	3x380-415Δ	4	5.5	7	72.5	65.5	63.5	60.5	57.5	54.5	49.5	43	36	28.5	50	50	871	300	52.5		
NKV 15/6 ST	60189196	3x380-415Δ	5.5	7.5	10	87.5	79.5	77	74	71	67	61.5	54	46	36.5	50	50	1128	300	81.1		
NKV 15/7 ST	60185080	3x380-415Δ	5.5	7.5	10	102	92	89	86	82	77.5	70.5	62	52.5	41.5	50	50	1176	300	82.6		
NKV 15/8 ST	60187692	3x380-415Δ	7.5	10	13.1	117	106.5	103	99.5	95	90	82.5	72.5	62	49	50	50	1246	300	86.5		
NKV 15/9 ST	60190369	3x380-415Δ	7.5	10	13.1	131.5	119	115.5	111	106	100.5	92	81	69	54.5	50	50	1294	300	88		
NKV 15/10 ST	60190370	3x380-415Δ	11	15	19.7	147.5	134.5	131	126.5	121	115	106	94	80.5	65	50	50	1437	300	115		
NKV 15/11 ST	60190371	3x380-415Δ	11	15	19.7	162	148	143.5	139	133	126.5	116.5	103	88.5	71	50	50	1485	300	116.5		
NKV 15/12 ST	60190372	3x380-415Δ	11	15	19.7	176.5	161	156.5	151	144.5	137.5	126.5	112	96	77	50	50	1533	300	118		
NKV 15/13 ST	60190373	3x380-415Δ	11	15	19.7	191	174.5	169	163.5	156.5	148.5	136.5	120.5	103	82.5	50	50	1581	300	119.5		
NKV 15/14 ST	60190374	3x380-415Δ	11	15	19.7	205.5	187.5	182	175.5	168	159	146	129	110.5	88	50	50	1629	300	121		
NKV 15/15 ST	60190375	3x380-415Δ	15	20	26.7	221	201	195.5	188.5	180.5	171.5	157.5	139.5	119.5	95.5	50	50	1728	300	131		
NKV 15/16 ST	60190376	3x380-415Δ	15	20	26.7	235.5	214	208	200.5	192	182.5	167.5	148	126.5	101.5	50	50	1776	300	132.5		
NKV 15/17 ST	60190377	3x380-415Δ	15	20	26.7	249.5	227.5	220.5	213	203.5	193	177.5	156.5	134	107	50	50	1824	300	134		

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKV 1, 3, 6, 10, 15, 20 - S

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 20 S

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		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 ST	60190378	3x220-240Δ/380-415Y	1.1	1.5	4,1/2,4	15.5	13.5	13	13	12.5	12	11	10	8.5	6	50	50	633	300	30.6	
NKV 20/2 ST	60190379	3x220-240Δ/380-415Y	2.2	3	7,8/4,6	31	27.5	27	26	25	24	22.5	20.5	18	12	50	50	678	300	37	
NKV 20/3 ST	60186460	3x380-415Δ	3	4	5.6	46.5	41.5	40.5	39.5	38	36.5	34.5	31	27.5	18.5	50	50	775	300	45.8	
NKV 20/4 ST	60190380	3x380-415Δ	4	5.5	7	62.5	56	55	53.5	51.5	49.5	46.5	42.5	37	25.5	50	50	823	300	51	
NKV 20/5 ST	60190381	3x380-415Δ	5.5	7.5	10	78	70	68.5	66.5	64.5	62	58	53	47	32.5	50	50	1080	300	80.1	
NKV 20/6 ST	60187641	3x380-415Δ	7.5	10	13.1	94.5	86.5	84.5	82.5	80	77.5	73.5	67.5	60	42.5	50	50	1150	300	84	
NKV 20/7 ST	60187642	3x380-415Δ	7.5	10	13.1	110	100.5	98	95.5	93	90	85	77.5	69	48.5	50	50	1198	300	85	
NKV 20/8 ST	60190382	3x380-415Δ	11	15	19.7	126.5	117	114	112	109	106	100.5	92.5	82.5	59.5	50	50	1341	300	112.5	
NKV 20/9 ST	60187643	3x380-415Δ	11	15	19.7	142.5	131	128	125.5	122	118.5	112.5	103.5	92.5	66.5	50	50	1389	300	114	
NKV 20/10 ST	60190383	3x380-415Δ	11	15	19.7	158	145.5	142	139	135	131.5	124.5	114	102	73	50	50	1437	300	115	
NKV 20/11 ST	60190384	3x380-415Δ	15	20	26.7	174	160	156.5	153	149	144.5	137	126	113	81	50	50	1536	300	125.5	
NKV 20/12 ST	60190385	3x380-415Δ	15	20	26.7	189.5	174.5	170.5	167	162	157.5	149	137	122.5	87.5	50	50	1584	300	127	
NKV 20/13 ST	60190386	3x380-415Δ	15	20	26.7	205	188.5	184	180	175	170	161	147.5	132	94	50	50	1632	300	128.5	
NKV 20/14 ST	60190387	3x380-415Δ	15	20	26.7	220.5	202.5	198	193.5	188	182.5	172.5	158	141	100.5	50	50	1680	300	130	
NKV 20/15 ST	60190388	3x380-415Δ	18.5	25	33	237	217.5	212.5	208	202	196	185.5	170.5	152	108.5	50	50	1794	300	167	
NKV 20/16 ST	60190389	3x380-415Δ	18.5	25	33	252.5	231.5	226	221	215	208.5	197	181	161.5	115	50	50	1842	300	168.5	
NKV 20/17 ST	60190390	3x380-415Δ	18.5	25	33	268	245.5	240	234.5	227.5	221	209	191.5	171	121.5	50	50	1890	300	170	

SPECIAL VERSIONS

MODEL
NKV 1 - 3 - 6 - 10
NKV 15 - 20

SPECIAL MECHANICAL SEALS

- (1) **SPECIAL Mech. Seal type QQE** = SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
- (2) **SPECIAL Mech. Seal type QQV** = SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
- (3) **SPECIAL Mech. Seal type BQV** = SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
- (4) **SPECIAL Mech. Seal type UUE** = WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

NKV 32, 45, 65, 95

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



The product image is purely indicative.

Vertical multistage centrifugal pumps in AISI 304 stainless steel and cast iron with coupling, designed for pressurization, water circulation in heating and air conditioning systems in civil and commercial installations, agriculture and irrigation systems, and washing systems.

Cataphoresis treated cast iron pump body.

AISI 304 stainless steel impellers, diffusers and pump liner, X version in AISI 316 stainless steel on request.

The pumps are particularly versatile due to the centre distance between the in-line ports designed to maximise interchangeability. Graphite/silicon carbide/EPDM cartridge mechanical seal that can be removed without removing the motor starting from 5.5 kW models.

Mechanical seals for aggressive liquids available on request.

Connections: cast iron or AISI 316 round flanges.

Coupled via removable rigid coupling to energy-efficient IE3 electric motors.

WRAS and ACS certified.

Operating range

20 To 115 m³/h with head up to 300 metres.

Pumped liquid

Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum % glycol 30%.

Supported liquid temperature

-30 °C to +120 °C (EPDM).

-15 °C to +120 °C (Viton/FKM).

Maximum ambient temperature +50°C.

Maximum working pressure bar / kPa

NKV 65, 95: 25 bar / 2500 kPa.

NKV 32, 45: 32 bar / 3200 kPa.

Motor protection degree IP55.

Motor insulation class F.

Impeller construction material

AISI 304 stainless steel, AISI 316 NKV X solely on request.

Single-phase power supply

Contact our sales network.

Three-phase power supply

220 - 240 / 380 - 415 V at 50 Hz up to 2.2 kW.

380 - 415 V at 50 Hz 3 kW.

Special versions available on request

Available with different types of mechanical seals for aggressive liquids. Connections: cast iron or AISI 316 round flanges. Liquid contact parts 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



ACCESSORIES
PAGE 277

NKV 32

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m ³ /h														
			kW	HP		0	15	18	22	25	30	35	40	45						
NKV 32/2-2T	60180195	3x380-415Δ	4	5.5	7	36	33.5	32.5	30.5	29.5	27	22.5	18	12.5	65	65	947	320	93	
NKV 32/2 T	60180196	3x380-415Δ	5.5	7.5	10	48.5	43.5	42.5	41	39.5	36.5	33.5	29	23.5	65	65	1114	320	140	
NKV 32/3-2T	60180197	3x380-415Δ	5.5	7.5	10	60	54.5	53	50.5	48	44	38	31.5	23.5	65	65	1196	320	144	
NKV 32/3 T	60167525	3x380-415Δ	7.5	10	13.1	73	65	63.5	61	59	55	50	43.5	35.5	65	65	1243	320	125	
NKV 32/4-2T	60167526	3x380-415Δ	7.5	10	13.1	84.5	76.5	74	70.5	68	62	55	46	35	65	65	1325	320	132	
NKV 32/4 T	60167527	3x380-415Δ	11	15	19.7	98	88	86	83	80.5	75	69	60	49.5	65	65	1345	320	203	
NKV 32/5-2T	60167528	3x380-415Δ	11	15	19.7	109.5	99.5	97	93	89.5	83	74	63	49.5	65	65	1427	320	207	
NKV 32/5 T	60167529	3x380-415Δ	15	20	26.7	122.5	109.5	107	103.5	100	93.5	85.5	75	61.5	65	65	1495	320	214	
NKV 32/6-2T	60167530	3x380-415Δ	15	20	26.7	134	121.5	118.5	113.5	109.5	101.5	91	78	61.5	65	65	1577	320	218	
NKV 32/6 T	60167531	3x380-415Δ	15	20	26.7	146.5	131	128	123.5	119.5	111.5	102	89	73	65	65	1577	320	218	
NKV 32/7-2T	60167532	3x380-415Δ	15	20	26.7	158	142.5	139	133.5	128.5	119	107	91.5	72.5	65	65	1659	320	222	
NKV 32/7 T	60167533	3x380-415Δ	18.5	25	33	171	152.5	149	144	139.5	130	119	103.5	85	65	65	1703	320	243	
NKV 32/8-2T	60167534	3x380-415Δ	18.5	25	33	182.5	164.5	160	154	148.5	137.5	124	106	84.5	65	65	1785	320	247	
NKV 32/8 T	60167535	3x380-415Δ	18.5	25	33	194.5	174	169.5	164	158.5	147.5	134.5	117	95.5	65	65	1785	320	247	
NKV 32/9-2T	60167536	3x380-415Δ	22	30	38.1	208.5	188.5	184	177	171	159	144	124.5	100.5	65	65	1898	320	283	
NKV 32/9 T	60167537	3x380-415Δ	22	30	38.1	221	198	194	187.5	181.5	169.5	155.5	136	112	65	65	1898	320	283	
NKV 32/10-2T	60167538	3x380-415Δ	22	30	38.1	233	210	205	197.5	191	177.5	161	139	112	65	65	1980	320	290	
NKV 32/10 T	60167539	3x380-415Δ	30	40	52.1	246.5	221.5	217	210	203.5	190.5	175	153.5	126.5	65	65	2075	320	363	
NKV 32/11-2T	60167540	3x380-415Δ	30	40	52.1	258	233.5	228.5	220.5	213	198.5	180.5	156.5	127	65	65	2157	320	367	
NKV 32/11 T	60167541	3x380-415Δ	30	40	52.1	271	243.5	238	230.5	223.5	209	192	168	138.5	65	65	2157	320	367	
NKV 32/12-2T	60167542	3x380-415Δ	30	40	52.1	282.5	255.5	249.5	241	233	217	197.5	171	139	65	65	2239	320	371	
NKV 32/12 T	60167543	3x380-415Δ	30	40	52.1	295	265.5	259.5	251	243	227.5	208.5	182.5	150.5	65	65	2239	320	371	
NKV 32/13-2T	60167544	3x380-415Δ	30	40	52.1	307	277.5	271	261.5	252.5	235.5	214	185.5	151	65	65	2321	320	375	
NKV 32/13 T	60167545	3x380-415Δ	30	40	52.1	319.5	287	280.5	271.5	263	246	225.5	197	162.5	65	65	2321	320	375	

NKV 32, 45, 65, 95

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 45

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA											DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h															
			kW	HP		0	18	25	30	40	54	60	65	70							
					Q=l/min																
					H(m)																
NKV 45/2-2T	60180198	3x380-415Δ	5.5	7.5	10.2	38.5	37	35.5	34.5	31	23	18.5	14.5	10	80	80	1149	365	146		
NKV 45/2T	60167546	3x380-415Δ	7.5	10	14.4	48.5	47	45.5	44	41.5	34	30.5	26.5	23	80	80	1196	365	127		
NKV 45/3-2T	60167547	3x380-415Δ	11	15	19.7	63	61.5	59.5	58	53.5	42	36	30	24	80	80	1298	365	205		
NKV 45/3T	60167548	3x380-415Δ	11	15	19.7	73.5	71	69	67	63	52.5	47	41	34	80	80	1298	365	205		
NKV 45/4-2T	60167549	3x380-415Δ	15	20	26.7	87.5	85	82	80	74	59.5	51	43	34	80	80	1448	365	216		
NKV 45/4T	60167550	3x380-415Δ	15	20	26.7	97.5	94.5	91.5	89	84	69.5	62	54.5	45	80	80	1448	365	216		
NKV 45/5-2T	60167551	3x380-415Δ	18.5	25	33	112	108.5	105	102	94.5	76.5	66	56	45	80	80	1574	365	241		
NKV 45/5T	60167552	3x380-415Δ	18.5	25	33	122	118	114	111	104.5	86.5	77	67.5	56	80	80	1574	365	241		
NKV 45/6-2T	60167553	3x380-415Δ	22	30	38.5	137.5	133.5	129	126	117.5	95.5	83.5	72	58	80	80	1687	365	276		
NKV 45/6T	60167554	3x380-415Δ	22	30	38.5	147.5	143.5	138.5	135	127	106	95	83.5	71	80	80	1687	365	276		
NKV 45/7-2T	60167555	3x380-415Δ	30	40	52.1	162.5	158	153	149.5	139.5	115	101	87.5	73	80	80	1864	365	356		
NKV 45/7T	60167556	3x380-415Δ	30	40	52.1	172.5	168	162.5	158.5	149.5	125.5	112	99	83	80	80	1864	365	356		
NKV 45/8-2T	60167557	3x380-415Δ	30	40	52.1	187	182	176	171.5	160.5	132	116.5	101	83	80	80	1946	365	360		
NKV 45/8T	60167558	3x380-415Δ	30	40	52.1	197	191.5	185.5	181	170.5	142.5	127.5	112.5	94	80	80	1946	365	360		
NKV 45/9-2T	60167559	3x380-415Δ	37	50	64	211.5	205.5	199	194	181.5	149.5	132	114.5	94	80	80	2028	365	384		
NKV 45/9T	60167560	3x380-415Δ	37	50	64	221.5	215.5	208	203	191.5	160	143	126	106	80	80	2028	365	384		
NKV 45/10-2T	60167561	3x380-415Δ	37	50	64	235.5	229	221.5	216	202	166.5	147	127.5	106	80	80	2110	365	388		
NKV 45/10T	60167562	3x380-415Δ	37	50	64	246	239	230.5	225	212	177	158	139	117	80	80	2110	365	388		
NKV 45/11-2T	60167563	3x380-415Δ	45	60	75.9	261	254	245.5	239.5	224.5	186	164.5	143.5	119	80	80	2232	365	449		
NKV 45/11T	60167564	3x380-415Δ	45	60	75.9	271	263.5	255	249	234.5	196.5	175.5	155	130	80	80	2232	365	449		
NKV 45/12-2T	60167565	3x380-415Δ	45	60	75.9	285.5	277.5	268.5	261.5	245.5	203	179.5	156.5	130	80	80	2314	365	453		
NKV 45/12T	60167566	3x380-415Δ	45	60	75.9	295.5	287.5	277.5	271	255.5	213.5	191	168.5	142	80	80	2314	365	453		

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

NKV 32, 45, 65, 95

VERTICAL MULTISTAGE CENTRIFUGAL ELECTRIC PUMPS WITH COUPLING



NKV 65

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h														
			kW	HP		0	30	42	45	54	60	72	78	85						
NKV 65/2-2T	60168471	3x380-415Δ	7.5	10	14.4	39	37.5	35.5	35	33	31	25	22	17.5	100	100	1266	365	84	
NKV 65/2T	60168472	3x380-415Δ	11	15	19.7	56.5	51	48.5	48	46	45	41	38.5	34.5	100	100	1354	365	155	
NKV 65/3-2T	60168473	3x380-415Δ	15	20	26.7	67.5	63.5	60.5	59.5	56.5	54	46.5	42	35.5	100	100	1446	365	171	
NKV 65/3T	60168474	3x380-415Δ	18.5	25	33	84.5	76	72.5	71.5	69	67	61.5	57.5	51.5	100	100	1490	365	213	
NKV 65/4-2T	60168475	3x380-415Δ	18.5	25	33	95.5	88.5	84	83	79	75.5	66	60.5	52	100	100	1582	365	213	
NKV 65/4T	60168476	3x380-415Δ	22	30	38.5	113.5	102.5	97.5	96.5	92.5	90.5	83	78	70	100	100	1613	365	255	
NKV 65/5-2T	60168477	3x380-415Δ	30	40	52.1	125	116	110.5	109	104.5	101	90	83	72.5	100	100	1801	365	471	
NKV 65/5T	60168478	3x380-415Δ	30	40	52.1	142	129	122.5	121	116.5	114	105	98.5	88.5	100	100	1801	365	471	
NKV 65/6-2T	60168479	3x380-415Δ	30	40	52.1	153	141.5	134.5	133	127.5	123	110	102	89.5	100	100	1893	365	471	
NKV 65/6T	60168480	3x380-415Δ	37	50	64	170	154	147	145	139.5	136	125	117.5	105.5	100	100	1893	365	517	
NKV 65/7-2T	60168481	3x380-415Δ	37	50	64	181.5	166.5	158.5	156.5	150	145	130.5	120.5	106.5	100	100	1985	365	517	
NKV 65/7T	60168482	3x380-415Δ	45	60	75.9	199	180.5	172	169.5	163.5	159.5	147	138	124	100	100	2025	365	653	
NKV 65/8-2T	60168483	3x380-415Δ	45	60	75.9	210	193	184	181.5	174	168.5	152	141.5	125	100	100	2117	365	653	
NKV 65/8 T	60168484	3x380-415Δ	45	60	75.9	227	206	196	193.5	186	181.5	167	157	141	100	100	2117	365	653	

NKV 95

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA	DNM	H mm	CENTRE DISTANCE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h														
			kW	HP		0	45	60	72	78	85	96	108	118						
NKV 95/2-2T	60168485	3x380-415Δ	11	15	19.7	44.5	43	41	38.5	36.5	34	28.5	21.5	15	100	100	1354	380	186	
NKV 95/2T	60168486	3x380-415Δ	15	20	26.7	62	55.5	51.5	49	47.5	45	41	35	28.5	100	100	1354	380	196	
NKV 95/3-2T	60168487	3x380-415Δ	18.5	25	33	75.5	70.5	66.5	62.5	59.5	56	48.5	38.5	28.5	100	100	1490	380	217	
NKV 95/3T	60168488	3x380-415Δ	22	30	38.5	93.5	84	78	74	72	69	62.5	53.5	44	100	100	1521	380	238	
NKV 95/4-2T	60168489	3x380-415Δ	30	40	52.1	108	100	94.5	89	85.5	81	71.5	59	46	100	100	1708	380	343	
NKV 95/4T	60168490	3x380-415Δ	30	40	52.1	125.5	112.5	105	99.5	96.5	92.5	84	72	60	100	100	1708	380	343	
NKV 95/5-2T	60168491	3x380-415Δ	37	50	64	139	127.5	120	113.5	109	103.5	92	76	60	100	100	1801	380	379	
NKV 95/5T	60168492	3x380-415Δ	37	50	64	156	140	130.5	123.5	120	114.5	104.5	89	74	100	100	1801	380	379	
NKV 95/6-2T	60168493	3x380-415Δ	45	60	75.9	170.5	156	146.5	138.5	134	127	113.5	94.5	75.5	100	100	1933	380	455	
NKV 95/6T	60168494	3x380-415Δ	45	60	75.9	188	169	157	149	144.5	138.5	126	108	89.5	100	100	1933	380	455	

SPECIAL VERSIONS

MODEL
NKV 32 - 45 - 65 - 95

SPECIAL MECHANICAL SEALS


- (1) **SPECIAL Mech. Seal type QQE** = SIC - SIC - EPDM = Silicon Carbide/Silicon Carbide/AISI 316/EPDM
- (2) **SPECIAL Mech. Seal type QQV** = SIC - SIC - VITON = Silicon Carbide/Silicon Carbide/AISI 316/FKM
- (3) **SPECIAL Mech. Seal type BQV** = SIC - CAR - VITON = Silicon Carbide/Carbon/AISI 316/FKM
- (4) **SPECIAL Mech. Seal type UUE** = WC - WC - EPDM = Tungsten Carbide/Tungsten Carbide/AISI 316/EPDM

ACCESSORIES

END SUCTION, STANDARDISED AND MULTISTAGE VERTICAL PUMPS


ACCESSORIES FOR END SUCTION AND VERTICAL MULTISTAGE PUMPS


CENTRIFUGAL ELECTRIC PUMPS

FLANGE KIT	MODEL	CODE	COUNTERFLANGES AND SEALS	THREADED	MATERIAL	PN	NKM-GE - NKP-GE NKM-G- NKP-G	KDNE - KDN
	DN 32	109620520	1 x DN 32 + 1 x DN 50	Threaded	STEEL	16	•	•
	DN 40	109620530	1 x DN 40 + 1 x DN 65	Threaded	STEEL	16	•	•
	DN 50	109620540	1 x DN 50 + 1 x DN 65	Threaded	STEEL	16	•	•
	DN 65	109620550	1 x DN 65 + 1 x DN 80	Threaded	STEEL	16	•	•
	DN 32	109620400	1 x DN 32 + 1 x DN 50	To weld	STEEL	16	•	•
	DN 40	109620410	1 x DN 40 + 1 x DN 65	To weld	STEEL	16	•	•
	DN 50	109620420	1 x DN 50 + 1 x DN 65	To weld	STEEL	16	•	•
	DN 50/1	60115139	1 x DN 50 + 1 x DN 80	To weld	STEEL	16		•
	DN 65	109620430	1 x DN 65 + 1 x DN 80	To weld	STEEL	16	•	•
	DN 80	109620440	1 x DN 80 + 1 x DN 100	To weld	STEEL	16	•	•
	DN 100	109620450	1 x DN 100 + 1 x DN 125	To weld	STEEL	16	•	•
	DN 125	109620460	1 x DN 125 + 1 x DN 150	To weld	STEEL	16	•	•
	DN 150	109620470	1 x DN 150 + 1 x DN 200	To weld	STEEL	16 (10 x DN 200)	•	•
	DN 200	109620480	1 x DN 200 + 1 x DN 250	To weld	STEEL	16 (10 x DN 200)		•
	DN 250/1	109620500	1 x DN 250 + 1 x DN 300	To weld	STEEL	16		•
DN 300	109620510	1 x DN 300 + 1 x DN 350	To weld	STEEL	16		•	

The kit includes the suction and delivery counterflanges with corresponding seals, screws and nuts required by the relevant pump size.

ACCESSORIES - VERTICAL CENTRIFUGAL ELECTRIC PUMPS

FLANGE 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 25X1"	60197941	2 x DN 25	Threaded	AISI 304 STEEL	25	•						
	DN 32X1" ¼	60197942	2 x DN 32	Threaded	AISI 304 STEEL	25		•					
	DN 40X1" ½	60197927	2 x DN 40	Threaded	AISI 304 STEEL	25			•				
	DN 40X1" ½	60119214	2 x DN 40	Threaded	STEEL	40			•				
	DN 50X2"	60197931	2 x DN 50	Threaded	AISI 304 STEEL	25				•			
	DN 50X2"	60119215	2 x DN 50	Threaded	STEEL	40				•			
	DN 65X2" ½	60197937	2 x DN 65	Threaded	AISI 304 STEEL	25					•		
	DN 65X2" ½	60163388	2 x DN 65	Threaded	STEEL	40					•		
	DN 80X3"	60197939	2 x DN 80	Threaded	AISI 304 STEEL	25						•	
	DN 80X3"	60163389	2 x DN 80	Threaded	STEEL	40						•	
DN 100X4"	60168815	2 x DN 100	Threaded	STEEL	25							•	

UNIONS	MODEL	CODE	KVC	KVCX
	MF 1 ¼" UNIONS (ONE FOR DNA AND ONE FOR DNM)	547820550	•	•

The unions must be ordered separately, one for suction and one for delivery.

ACCESSORIES FOR END SUCTION AND VERTICAL MULTISTAGE PUMPS

CENTRIFUGAL ELECTRIC PUMPS

SHIM KIT	MODEL	CODE	For pump type	P2 kW	DIMENSIONS A x B x H mm	NKM-G 4 POLES	NKP-G 2 POLES
 <p>SHIM KIT nr 5</p>	SHIM KIT NR 1	147120800	NKM-G65-315/309/11/4	11	90 x 335 x 65	•	
	SHIM KIT NR 5	147120840	NKM-G80-250/270/11/4	11	80 x 290 x 40	•	
	SHIM KIT NR 2	147120810	NKM-G80-315/305/15/4	15	90 x 335 x 90	•	
	SHIM KIT NR 3	147120820	NKM-G80-315/320/18.5/4	18.5	100 x 320 x 70	•	
			NKM-G80-315/334/22/4	22			
	SHIM KIT NR 1	147120800	NKM-G100-250/250/11/4	11	90 x 335 x 65	•	
			NKM-G100-250/270/15/4	15			
	SHIM 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			
	SHIM KIT NR 2	147120810	NKM-G125-250/243/15/4	15	90 x 335 x 90	•	
	SHIM 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			
	SHIM KIT NR 4	147120830	NKM-G150-200/218/11/4	11	80 x 290 x 120	•	
	SHIM 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			
	SHIM KIT NR 7	147120860	NKP-G 40-200/210/11/2	11	70 x 332 x 20	•	
NKP-G 40-250/230/15/2			15				
NKP-G 40-250/245/18.5/2			18.5				
SHIM 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				
SHIM KIT NR 7	147120860	NKP-G 50-160/169/11/2	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 65-160/157/11/2	11				
		NKP-G 65-160/173/15/2	15				
		NKP-G 65-200/190/18.5/2	18.5				
		NKP-G 80-160/147-127/11/2	11				
		NKP-G 80-160/153/15/2	15				
NKP-G 80-160/163/18.5/2	18.5						
SHIM KIT NR 8	147120870	NKP-G 80-200/190/30/2	30	70 x 125 x 20	•		

Can be supplied separately from the pump on request.

Used to position the pump horizontally during installation to compensate for different pump/motor shaft heights.

The kits include two shims with the dimensions A (width), B (length), H (height) shown in the table.

Shims with an H-dimension greater than 20 mm are supplied complete with screws, nuts and washers for attaching the pump/motor to the shim.



SUBMERSIBLE PUMPS

WHEN THE GOING GETS TOUGH...



MAKING WATER EASY

FX.DABPUMPS.COM

CONTENTS - DRAINAGE AND SEWAGE

DRAINAGE



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SUBMERSIBLE PUMPS FOR THE DRAINAGE OF CLEAR WATER

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SUBMERSIBLE PUMPS FOR CLEAR WATER

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NOVA UP MAE
SUBMERSIBLE PUMPS FOR CLEAR WATER

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VERTY NOVA
SUBMERSIBLE PUMPS WITH BUILT-IN FLOAT FOR CLEAR WATER

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DRENAG 1000, DRENAG 1200
SUBMERSIBLE PUMPS FOR CLEAR AND SANDY WATER FROM CONSTRUCTION SITES

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DRENAG FX
SUBMERSIBLE PUMPS FOR SANDY AND CONSTRUCTION SITE DRAINAGE

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FX C
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SPECIAL OPTIONS DRAINAGE

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WASTEWATER



FEKA
SUBMERSIBLE PUMPS FOR WASTE, CLEAR, GRAY AND RAINWATER

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FEKA BVP
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FEKA VS
SUBMERSIBLE PUMPS FOR WASTEWATER

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NEW



FEKA FX V
SUBMERSIBLE PUMPS FOR SEWAGE WATER

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FEKA FX S
SUBMERSIBLE PUMPS FOR WASTEWATER

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FK V
SUBMERSIBLE PUMPS FOR WASTEWATER

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FK C
SUBMERSIBLE PUMPS FOR WASTEWATER

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FEKA VS GRINDER
SUBMERSIBLE WASTEWATER PUMPS WITH SHREDDER

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WITH SHREDDER



GRINDER FX
SUBMERSIBLE SEWAGE WATER PUMPS WITH SHREDDER

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WITH SHREDDER

SPECIAL OPTIONS WASTEWATER

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AUTOMATIC STATIONS



GENIX
AUTOMATIC LIFTING STATIONS

DC **PAGE 308**



NOVABOX
AUTOMATIC LIFTING STATIONS

AE **PAGE 309**



DELS
AUTOMATIC EXTERNAL LIFTING STATION

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NEW

CONTENTS - DRAINAGE AND SEWAGE

LIFTING STATIONS



FEKABOX 110,200

AUTOMATIC LIFTING STATIONS FOR ONE PUMP

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FEKAFOS 280

AUTOMATIC LIFTING STATIONS FOR ONE PUMP

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FEKAFOS MAXI 1200, 3600

AUTOMATIC LIFTING STATION FOR TWO PUMPS

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AERATORS



NOVAIR

SUBMERSIBLE AERATOR

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CONTROL UNIT



NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANELS (DRAINAGE)

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EBOX

ELECTRONIC PROTECTION AND CONTROL PANELS (DRAINAGE AND PRESSURIZATION)

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SAFE ALERT

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ELECTROMECHANICAL PROTECTION AND CONTROL PANELS FOR ONE PUMP

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SELECTION TABLES

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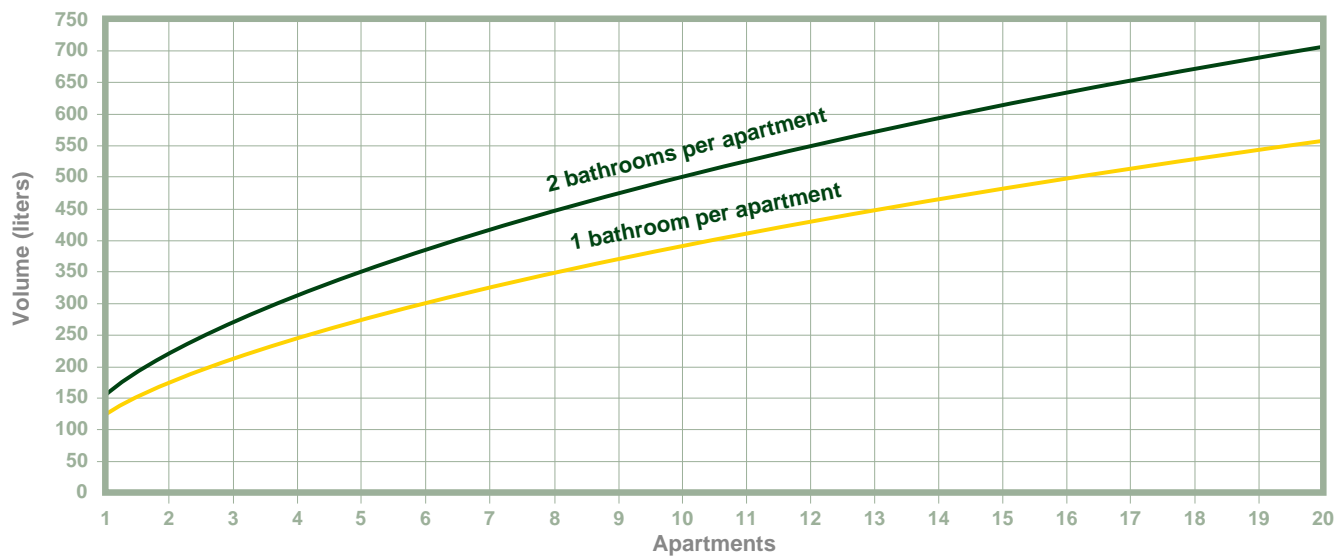
WHICH PUMP DO YOU NEED? FOLLOW THESE STEPS:

CALCULATION OF THE FLOW RATE





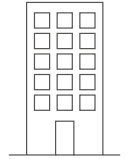

Flow rate curves in relation to the number of apartments.



Stated working volume in the storage tank



EXAMPLE OF SIZING

EXAMPLE	CALCULATION	INDICATIVE SELECTION OF PUMP AND TANK
<p>2 APARTMENTS 2 BATHROOMS EACH</p> 	<p><i>Indicative pump flow rate = 200 l/min</i> <i>Approximate volume of the tank = 250 liters</i></p>	 <p>FEKA VS 550 + FEKAFOS 280</p>
<p>5 APARTMENTS 2 BATHROOMS EACH</p> 	<p><i>Indicative pump flow rate = 325 l/min</i> <i>Approximate volume of the tank = 350 liters</i></p>	 <p>2x FEKA VS 900 + FEKAFOS 280 DOUBLE*</p> <p>* pump will make more starts</p>
<p>15 APARTMENTS 2 BATHROOMS EACH</p> 	<p><i>Indicative pump flow rate = 550 l/min</i> <i>Approximate volume of the tank = 625 liters</i></p>	 <p>2x FEKA FX V 20.11 + FEKAFOS 550 DOUBLE*</p> <p>* pump will make more starts</p>

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 PUMPS FOR CLEAR WATER



NOVA M-A



NOVA M-NA

Submersible pump for clear and rainwater drainage in domestic and residential applications.

Available in an automatic version with built-in float switch or in a manual start version.

Its typical application is to drain garages and floors to prevent flooding.

It can also be used for emptying tanks or cisterns and as a portable pump in emergency situations to drain water from flooded rooms.

The Nova series has been redesigned to mark 40 years on the market, making it even more reliable, durable and ergonomic. It has a new treated cable and a new, more compact and efficient motor.

The pump body, impeller and suction grille are made of technopolymer, the motor shaft is made of AISI 431 stainless steel and is suitable for slightly salty water.

The impeller is treated to prevent corrosion.

Nova is robust and reliable thanks to its triple oil-filled ring seal and submersible, continuous-duty asynchronous motor.

The stator is housed in a hermetically sealed stainless steel casing and the rotor is mounted on oversized ball bearings.

Thermal protection is incorporated in all single-phase versions. Maximum dry running time: 1 minute.

In compliance with European standard EN 60335-2-41, a 10-metre power cable is mandatory for the pump in external use.

Pumped liquid Clear and rainwater.

Free passage

NOVA 180 and 200: 5 mm;

NOVA 300 and 600: 10 mm.

Liquid temperature range

+0°C to +35°C for domestic use;

+0°C to +50°C for other uses.

Outlet threaded 1 1/4" GAS.

Delivery direction horizontal or vertical.

Impeller open in technopolymer

Maximum immersion 7 metres.

Possible installation types

fixed or portable in vertical position.

Minimum height of suction

- NOVA 180 MA: 90 mm

- NOVA 180 M-NA: 8 mm

- NOVA 200 M-NA: 8 mm

- NOVA 300 MA: 100 mm

- NOVA 600 MA: 150 mm

- NOVA 600 M-NA: 30 mm



PANELS
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ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA					CABLE	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³/h								
				kW	HP		0	3	6	9	12				
NOVA 180 M A 40TH 05H05	60195073H	1X230V~	0.19	0.2	0.27	0.9	H (m)	5	3.2				5m	4.6	48
NOVA 180 M A 40TH 10H05	60198013H	1X230V~	0.19	0.2	0.27	0.9		5	3.2				10m	4.6	48
NOVA 180 M NA 40TH 10H05	60195632H	1X230V~	0.19	0.2	0.27	0.9		5	3.2				10m	4.6	48
NOVA 200 M NA 40TH 10H05	60194402H	1X230V~	0.35	0.22	0.3	1.5		7.1	5.6	4.2	2.8	1.5	10m	4.6	48
NOVA 300 M A 40TH 05H05	60194400H	1X230V~	0.35	0.22	0.29	1.5		7.2	5.8	4.6	3.4	2.2	5m	4.6	48
NOVA 300 M A 40TH 10H05	60198014H	1X230V~	0.35	0.22	0.29	1.5		7.2	5.8	4.6	3.4	2.2	10m	4.6	48
NOVA 600 M A 40TH 05H05	60191566H	1X230V~	0.66	0.5	0.67	3		10.4	9	7.8	6.7	5.3	5m	7	32
NOVA 600 M A 40TH 10H05	60198015H	1X230V~	0.66	0.5	0.67	3		10.4	9	7.8	6.7	5.3	10m	7	32
NOVA 600 M NA 40TH 10H05	60195636H	1X230V~	0.66	0.5	0.67	3		10.4	9	7.8	6.7	5.3	10m	7	32
NOVA 600 T NA 40TH 10H07	60196306H	3X400V~	0.66	0.5	0.67	1.7		10.4	9	7.8	6.7	5.3	10m	7	32

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
CONTROL PANEL*	E.BOX	-
CONTROL PANEL*	NGPANEL	-
HYDRAULIC KIT	REFLOW PREVENTION KIT1 1/4"	60220271
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285

* Always check the pump-panel combination in the selection tables

NOVA UP

SUBMERSIBLE PUMPS FOR CLEAR WATER



NOVA UP M-A

NOVA UP M-NA

Vertical delivery drainage pump, available in automatic or manual version with removable filter for suction up to 5 mm in domestic and residential installations; these features make it a robust pump and increase its versatility of installation.

Technopolymer pump body, impeller, cap and suction grille.

Stainless steel motor, rotor shaft and screws.

Triple ring seal with oil pre-chamber in between.

Submersible, continuous-duty asynchronous motor.

Stator housed in a hermetically sealed stainless steel enclosure.

Rotor mounted on ball bearings greased for life and oversized.

Built-in thermo-amperometric protection and permanently inserted capacitor.

Pumped liquid clear and rainwater.

Free passage 10 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet threaded 1 1/4" GAS.

Delivery direction vertical.

Impeller open in technopolymer

Maximum immersion 7 metres.

Possible installation types

Fixed or portable in vertical position.

Minimum height of suction

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

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³/h	0	1	2	3	4.5	5	6	7	7.5	9	10	12	13.5				
				kW	HP		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 - 240V~	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				10m	5.8	39	
NOVA UP 300 M-NA	60152309.	1X220 - 240V~	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				10m	5.6	39	
NOVA UP 600 M-A	60152306.	1X220 - 240V~	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	10m	7.3	26	
NOVA UP 600 M-NA	60152310.	1X220 - 240V~	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	10m	7.1	26	

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
CONTROL PANEL*	E.BOX	-
CONTROL PANEL*	NGPANEL	-
HYDRAULIC KIT	REFLOW PREVENTION KIT1 1/4"	60220271
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285

* Always check the pump-panel combination in the selection tables

NOVA UP MAE

SUBMERSIBLE PUMPS FOR CLEAR WATER WITH ELECTRONIC FLOAT



NOVA UP MAE



NOVA UP MAE

Adjustable vertical delivery drainage electronic pump with removable filter for suction up to 5 mm. Available in automatic or manual version. The probe adjustment slider allows the pump's ON-OFF level to be varied; this feature increases its installation versatility. The vertical delivery and electronic float make this pump suitable for use in small pits. Technopolymer pump body, impeller, cap and suction grille. Stainless steel motor, rotor shaft and screws. Triple ring seal with oil pre-chamber in between. Submersible, continuous-duty asynchronous motor. Stator housed in a hermetically sealed stainless steel enclosure. Rotor mounted on ball bearings greased for life and oversized. Built-in thermo-amperometric protection and permanently inserted capacitor.

Pumped liquid clear and rainwater.

Free passage 10 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet Threaded 1 1/4" gas.

Delivery direction Vertical.

Impeller Open in technopolymer.

Maximum immersion 7 metres.

Possible installation types

fixed or portable in vertical position.

Minimum height of suction

NOVA UP 300 M-AE: 60 mm

NOVA UP 600 M-AE: 70 mm

ACCESSORIES
PAGE 325

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA															CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ h	0	1	2	3	4.5	5	6	7	7.5	9	10	12	13.5				
NOVA UP 300 M-AE	60153572.	1X220-240V~	0.38	0.21	0.28	1.5	Q=l/min	0	16.6	33.3	50	75	83.3	100	116.6	125	150	166.6	200	225	10 m.	5.6	39	
NOVA UP 600 M-AE	60153573.	1X220-240V~	0.77	0.52	0.69	3.5	H (m)	0	7.6	6.9	6.25	5.6	4.7	4.4	3.6	2.8	2.3	1			10 m.	7.3	26	

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
HYDRAULIC KIT	REFLOW PREVENTION KIT 1 1/4"	60220271
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285

VERTY NOVA

SUBMERSIBLE PUMPS FOR CLEAR WATER WITH BUILT-IN FLOAT



Submersible pumps suitable for pumping clean water and specially designed for small sump pits (minimum 20 cm x 20 cm). Pump with built-in float in domestic and residential installations. Built with anti-corrosion and anti-oxidation materials. Low starting level (10-15 mm in manual). Operation mode selector: manual or automatic. Easy access to the float for cleaning thanks to the removable cover. Motor with thermal overheating protection. Excellent motor cooling, allowing the pump to run even when only partially submerged. Equipped with power cable with plug, non-return valve and 4-level connector.

Pumped liquid clear and rainwater.

Free passage 5 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet threaded 1 1/4" GAS.

Delivery direction Vertical

Impeller open in technopolymer.

Maximum immersion 7 metres.

Possible installation types

Fixed or portable in vertical position.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										CABLE	WEIGHT KG	QTY PER PALLET		
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	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				10m.	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	10m.	5.1	40

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
HYDRAULIC KIT	REFLOW PREVENTION KIT1 1/4"	60220271
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285

DRENAG 1000, DRENAG 1200

SUBMERSIBLE PUMPS FOR CLEAR WATER, RAINWATER AND SANDY WATER FROM CONSTRUCTION SITES



Submersible pumps suitable for draining rainwater, groundwater and sandy water from construction sites and generally for all clear, non-aggressive wastewater. The single-phase version can be supplied with a float for automatic operation. The pump body, impeller, motor flange, filter, disc, motor casing, casing with handle and wiring compartment cover are made of AISI 304 stainless steel. Fitted with an insulating rubber-coated handle and an AISI 316 stainless steel motor shaft. Drenag pumps have a double mechanical seal with an oil chamber in between (non-toxic oil), made of carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side. The motor is dry, asynchronous, watertight and cooled by the pumped liquid. The rotor is mounted on sealed ball bearings greased for life, oversized and selected for low noise and durability. Standard built-in thermo-amperometric protection and a permanently inserted capacitor in the single-phase version. Power cable with Schuko plug for single-phase version. The maximum ambient temperature for using the Drenag is +40°C with the motor above ground.

Pumped liquid clear and rainwater, gray water and sandy water from construction sites.

Free passage 10 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet threaded 1 1/2" GAS

Delivery direction vertical.

Impeller Open in stainless steel

Possible installation types fixed or portable in vertical or horizontal position.

Maximum immersion 7 metres.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								CABLE	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	3	6	9	12	15	18				24
				kW	HP		Q=l/min	0	50	100	150	200	250	300				400
DRENAG 1000 M-A	103041000H	1X230V~	1.29	1	1.36	6	H(m)	15.3	13.7	12.1	10.5	8.7	6.8	4.7	10m	17	24	
DRENAG 1000 M-NA	103041010H	1X230V~	1.29	1	1.36	6		15.3	13.7	12.1	10.5	8.7	6.8	4.7	10m	17	24	
DRENAG 1000 T-NA	103041020H	3X400V~	1.18	1	1.36	2.43		15.3	13.7	12.1	10.5	8.7	6.8	4.7	10m	17	24	
DRENAG 1200 M-A	103041040H	1X230V~	1.85	1.2	1.6	7.5		17	15.4	13.8	12.4	10.7	9	7.3	3.3	10m	18.5	24
DRENAG 1200 M-NA	103041050H	1X230V~	1.85	1.2	1.6	7.5		17	15.4	13.8	12.4	10.7	9	7.3	3.3	10m	18.5	24
DRENAG 1200 T-NA	103041060H	3X400V~	1.65	1.2	1.6	3.24		17	15.4	13.8	12.4	10.7	9	7.3	3.3	10m	18.5	24

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
CONTROL PANEL*	E.BOX	-
CONTROL PANEL*	NGPANEL	-
HYDRAULIC KIT	REFLOW KIT 1 1/2"	60220272
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/2" THREADED	002130286
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 1 1/2" THREADED	60160626

* Recommended for non-automatic versions, always check the pump-panel combination in the selection tables

DRENAG FX

SUBMERSIBLE PUMPS FOR SANDY AND CONSTRUCTION SITE DRAINAGE



DRENAG FX

Submersible pump for draining clear water from drains in civil and commercial installations and draining groundwater or rainwater. Designed for high head applications. The pump is certified according to the wastewater standard EN 12050-2. It is suitable for fixed installations with a coupling device or portable if placed directly on the bottom of the tank. Its small size and flanged and threaded delivery port make it excellent for replacements. Open, rubberized, wear-resistant impeller for use even in the presence of abrasive particles. Double silicon carbide mechanical seal completely protected in the oil chamber and not in contact with the pumped liquid. Motor shaft made of AISI 431 stainless steel for P2 <1.2 kW and AISI 304 for P2 > 1.5 kW, resin-coated cable gland with quick coupling. Its small footprint and flanged and threaded delivery ports make it ideal for replacements. Designed for quick maintenance thanks to a construction solution that provides easy access to the pump's main components. Single-phase versions with built-in capacitor, available with float for automatic operation with power ratings up to 1.5 kW. In three-phase versions, protection is the responsibility of the user. Maximum dry running time: 10 min.

ATEX version available for use in potentially explosive environments (ATEX certification: II2G Ex db IIB T4 GB).

Pumped liquid Clear and rainwater, gray water and sandy water from construction sites.

Free passage 10 mm.

Liquid temperature range

+50°C (+60°C for short periods);

+40°C for ATEX version.

Outlet

Threaded 1 1/2" GAS

Flanged DN 32 and DN 40.

Delivery direction Horizontal and vertical with 1 1/2" elbow kit accessory.

Impeller Open in cast iron.

Maximum immersion 7 metres.

Possible installation types

Portable on the ground, fixed on coupling device.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM	CABLE	WEIGHT KG	QTY PER PALLET				
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL kW	HP	In A	Q=m ³ h	0	3	6	9	12	15	18	21	24	27	30	Q=l/min	0					50	100	150	200
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	10m	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	10m	35	6				
DRENAG FX 15.07 S 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	10m	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	10m	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	10m	35	6				
DRENAG FX 15.11 S 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	10m	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	10m	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	10m	38	6				
DRENAG FX 15.15 S 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	10m	38	6				
DRENAG FX 15.22 S TNA	60191277	3x400V	3.1	2.3	3.1	5.2		31.8	30	28.2	26.3	24.3	22.1	19.8	17.4	14.8	12	9		Rp 1 1/2 GAS	DN32 PN10/6 DN40 PN6	10m	39	6				

A: Automatic with float

S: Oil Sensor

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device
CONTROL PANEL*	NGPANEL	-	•	•
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 1 1/2" THREADED	60160626	•	•
INSTALLATION ACCESSORY	90° ELBOW KIT 1 1/2" GAS FX	60195857	•	
INSTALLATION ACCESSORY	DA-050 HORIZONTAL COUPLING DEVICE	60195865		•
HYDRAULIC ACCESSORY	CHAIN KIT WITH 3M SHACKLE A316 MAX 150KG	60171183		•

* Always check the pump-panel combination in the selection tables

FX C

SUBMERSIBLE PUMPS FOR CLEAR, GRAY AND RAINWATER



FXC

Submersible pump for lifting and pumping wastewater from drains in civil and commercial installations. Certified according to the wastewater standard EN 12050-2. The FX C is suitable for wastewater and sewage water without long fibres, rainwater and groundwater. Suitable for the drainage of areas subject to flooding, when high flow rates are required.

The pump is suitable for fixed installations with a coupling device or portable if placed directly on the bottom of the tank. Channel impeller, 50 mm free passage and anti-blocking system. Double silicon carbide mechanical seal completely protected in the oil chamber and not in contact with the pumped liquid. Motor shaft made of AISI 304 stainless steel, resin-coated cable gland, quick connecting power cable.

Its small footprint and flanged and threaded delivery ports make it ideal for replacements.

Designed for quick maintenance thanks to a construction solution that provides easy access to the pump's main components.

Single-phase versions with built-in capacitor, available with float for automatic operation with power ratings up to 1.5 kW.

In three-phase versions, protection is the responsibility of the user. Maximum dry running time: 10 min.

ATEX version available for use in potentially explosive environments (ATEX certification: II 2G Ex db IIB T4 GB).

Pumped liquid Clear and rainwater, gray water and sandy water from construction sites.

Free passage 50 mm.

Liquid temperature range
+50°C (+60°C for short periods);
+40°C for ATEX version.

Outlet

FX C 20 threaded 2", flanged DN 50;
FX C 25 flanged DN 65.

Delivery direction

Horizontal or vertical with elbow kit accessory.

Impeller channels in cast iron.

Maximum immersion 7 metres.

Possible installation types

Portable on the ground, fixed on coupling device.

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FX C 20, FX C 25

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	CABLE	WEIGHT KG	QTY PER PALLET					
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³/h	0	7	14	22	29	36	43	50	58	65					Q=l/min	0	120	240	360
FEKA FXC 20.15 MA	60191251	1x230V	2	1.5	2	9.1	H (m)	15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2			Rp 2" GAS	50 PN10/6	10m	42	6				
FEKA FXC 20.15 MNA	60191249	1x230V	2	1.5	2	9.1		15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2			Rp 2" GAS	50 PN10/6	10m	42	6				
FEKA FXC 20.15 S TNA	60191250	3x400V	1.8	1.5	2	3.5		15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2			Rp 2" GAS	50 PN10/6	10m	42	6				
FEKA FXC 20.22 S TNA	60191273	3x400V	2.8	2.2	2.9	4.9		19.1	17.2	15.5	14	12.6	11.2	9.8	8.1	6.2			Rp 2" GAS	50 PN10/6	10m	43	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	10m	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	10m	43	6			
FEKA FXC 25.15 S 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	10m	43	6			
FEKA FXC 25.22 S 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	10m	44	6		

A: Automatic with float

S: Oil Sensor

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device	FX C DN50	FX C DN65
CONTROL PANEL*	NGPANEL	-	•	•	•	•
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 2" THREADED	60160627	•	•	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 50	60160629	•	•	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 65	60160630	•	•		•
HYDRAULIC ACCESSORY	90° ELBOW KIT 2" GAS	60195856	•		•	
HYDRAULIC ACCESSORY	90° ELBOW KIT 2" 1/2 GAS	60211555	•			•
HYDRAULIC ACCESSORY	90° ELBOW KIT 3" GAS	60203622	•			•
INSTALLATION ACCESSORY	DA-050 HORIZONTAL COUPLING DEVICE	60195865		•	•	
INSTALLATION ACCESSORY	DA-065 HORIZONTAL COUPLING DEVICE DN65	60170310		•		•
INSTALLATION ACCESSORY	LIFTING DEVICE DN65 - VERTICAL	60167993		•		•
INSTALLATION ACCESSORY	CHAIN KIT WITH 3M SHACKLE A316 MAX 150KG	60171183		•	•	•

* Always check the pump-panel combination in the selection tables

SPECIAL DRAINAGE DESIGNS

These products are supplied with a built-in capacitor in the single-phase version.

In all models listed below, management and control panels will be the responsibility of the installer and will not be supplied by DAB.

SPECIAL OPTIONS - DRAINAGE

FX – ATEX VERSIONS



DRENAG FX - FX C

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM		CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	3	6	9	12	15	18	21	24	27	30					
				kW	HP		Q=l/min	0	50	100	150	200	250	300	350	400	450	500					
DRENAG FX 15.07 MNA 220-240/50 EX	60194109	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	10m		
DRENAG FX 15.07 TNA 400/50 EX	60194110	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	10m		
DRENAG FX 15.11 MNA 220-240/50 EX	60194160	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	10m		
DRENAG FX 15.11 TNA 400/50 EX	60194161	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	10m		
DRENAG FX 15.15 MNA 220-240/50 EX	60194218	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	10m		
DRENAG FX 15.15 TNA 400/50 EX	60194219	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	10m		
DRENAG FX 15.22 TNA 400/50 EX	60194280	3x400V	3.1	2.3	3.1	5.2		31.8	30	28.2	26.3	24.3	22.1	19.8	17.4	14.8	12	9	Rp 1 1/2" GAS	DN32 PN10/6 DN40 PN6	10m		

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM		CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	7	14	22	29	36	43	50	58	65						
				kW	HP		Q=l/min	0	120	240	360	480	600	720	840	960	1080						
FEKA FXC 20.15 MNA 220-240/50 EX	60194203	1x230V	2	1.5	2	9.1	H(m)	15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2	-	-	Rp 2" GAS	50 PN10/6	10m			
FEKA FXC 20.15 TNA 400/50 EX	60194204	3x400V	1.8	1.5	2	3.5		15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2	-	-	Rp 2" GAS	50 PN10/6	10m			
FEKA FXC 20.22 TNA 400/50 EX	60194267	3x400V	2.8	2.2	2.9	4.9		19.1	17.2	15.5	14	12.6	11.2	9.8	8.1	6.2	-	Rp 2" GAS	50 PN10/6	10m			
FEKA FXC 25.15 MNA 220-240/50 EX	60194211	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	10m			
FEKA FXC 25.15 TNA 400/50 EX	60194212	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	10m			
FEKA FXC 25.22 TNA 400/50 EX	60194274	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	10m			

DRENAG FX - DIFFERENT CABLE LENGTHS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM		CABLE	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	3	6	9	12	15	18	21	24	27	30						
				kW	HP		Q=l/min	0	50	100	150	200	250	300	350	400	450	500						
DRENAG FX 15.22 S TNA 20M	60202222	3x400V	3.1	2.3	3.1	5.2	H(m)	31.8	30	28.2	26.3	24.3	22.1	19.8	17.4	14.8	12	9	Rp 1 1/2" GAS	DN32 PN10/6 DN40 PN6	20m	6		

S: Oil Sensor

FX C - DIFFERENT CABLE LENGTHS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM		CABLE	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMIN.		In A	Q=m³h	0	7	14	22	29	36	43	50	58	65							
				kW	HP		Q=l/min	0	120	240	360	480	600	720	840	960	1080							
FEKA FXC 20.15 S TNA 20M	60219510	3x400V	1.8	1.5	2	3.5	H(m)	15.3	13.5	11.8	10.2	8.7	7.1	5.7	4.2	-	-	Rp 2"	50 PN10/6	20m	6			
FEKA FXC 20.22 S TNA 20M	60213544	3x400V	2.8	2.2	2.9	4.9		19.1	17.2	15.5	14	12.6	11.2	9.8	8.1	6.2	-	Rp 2"	50 PN10/6	20m	6			
FEKA FXC 25.15 S TNA 20M	60219511	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	20m	6			
FEKA FXC 25.22 S TNA 20M	60219512	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	20m	6			
FEKA FXC 20.22 S TNA 30M	60213545	3x400V	2.8	2.2	2.9	4.9		19.1	17.2	15.5	14	12.6	11.2	9.8	8.1	6.2	-	Rp 2"	50 PN10/6	30m	6			
FEKA FXC 25.22 S TNA 30M	60216751	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	30m	6			

S: Oil Sensor

FEKA

SUBMERSIBLE PUMPS FOR WASTE, CLEAR, GRAY AND RAINWATER



FEKA M-A



FEKA M-NA

Submersible pumps suitable for draining and lifting clear wastewater, grey water or rainwater in domestic and residential installations. Designed for fixed or portable installation and are available in automatic versions with built-in float switch or in manual versions without float.

Suitable for draining flooded basements, cellars and garages or for preventing flooding when installed in rainwater collection sump pits. Can also be used as portable pumps in emergency situations to drain water from flooded rooms with mud, leaves or debris.

Feka pumps has been redesigned to mark 40 years on the market, making them even more reliable, durable and ergonomic.

The impeller, pump body and suction grille are made of technopolymer, the motor shaft is made of AISI 431 stainless steel and is suitable for slightly salty water.

Robust and reliable, they have a triple oil-filled ring seal and submersible, continuous-duty asynchronous motor.

Stator housed in a hermetically sealed stainless steel casing and rotor mounted on oversized ball bearings.

Cable and impeller nut treated to prevent corrosion.

Thermal protection incorporated in all single-phase versions.

New, more efficient and compact motor.

Maximum dry running time: 1 minute.

In compliance with European standard EN 60335-2-41, a 10-metre power cable is mandatory for the pump in external use.

Pumped liquid Untreated wastewater.

Free passage 25 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet Threaded 1 1/4" GAS.

Delivery direction Horizontal or vertical.

Impeller Technopolymer vortex.

Maximum immersion 7 metres.

Possible installation types

Fixed or portable and in vertical position.

Minimum height of suction

FEKA 300 MA: 150 mm

FEKA 300 M-NA: 30 mm

FEKA 600 MA: 175 mm

FEKA 600 M-NA: 35 mm



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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA							CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	3	6	9	12	15			
				kW	HP		Q=l/min	0	50	100	150	200	250			
FEKA 300 M A 40TH 05H05	60191897H	1X230 V~	0.35	0.22	0.3	1.9	H (m)	6.4	5.5	4.4	3.1	1.6	/	5m	4.6	48
FEKA 300 M A 40TH 10H05	60198016H	1X230 V~	0.35	0.22	0.3	1.9		6.4	5.5	4.4	3.1	1.6	/	10m	4.6	48
FEKA 300 M NA 40TH 10H05	60195558H	1X230 V~	0.35	0.22	0.3	1.9		6.4	5.5	4.4	3.1	1.6	/	10m	4.6	48
FEKA 600 M A 40TH 05H05	60190343H	1X230 V~	0.68	0.5	0.67	3.1		8.9	8.2	7.2	6.1	4.7	2.9	5m	7	32
FEKA 600 M A 40TH 10H05	60198017H	1X230 V~	0.68	0.5	0.67	3.1		8.9	8.2	7.2	6.1	4.7	2.9	10m	7	32
FEKA 600 M NA 40TH 10H05	60194419H	1X230 V~	0.68	0.5	0.67	3.1		8.9	8.2	7.2	6.1	4.7	2.9	10m	7	32
FEKA 600 T NA 40TH 10H07	60196308H	3X400 V~	0.68	0.5	0.67	1.8		8.9	8.2	7.2	6.1	4.7	2.9	10m	7	32

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
CONTROL PANEL*	E.BOX	-
CONTROL PANEL*	NGPANEL	-
HYDRAULIC KIT	REFLOW PREVENTION KIT1 1/4"	60220271
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285

* Always check the pump-panel combination in the selection tables

FEKA BVP

SUBMERSIBLE PUMPS FOR WASTEWATER AND RAINWATER



Powerful submersible pump for drainage and emptying in domestic and residential installations.
 Suitable for pumping dirty water thanks to anti-corrosion and anti-oxidation materials.
 Motor with thermal overheating protection.
 Wear-resistant motor shaft and impeller.
 Excellent motor cooling, allowing the pump to run even when only partially submerged.
 Automatic version with float switch for automatic pump start and stop or manual version.
 Equipped with power cable with plug, 3-level connector, no non-return valve.

Pumped liquid Clear and rainwater.

Free passage 38 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet Threaded 1 1/2" GAS.

Delivery direction Horizontal or vertical.

Impeller Technopolymer vortex.

Maximum immersion 7 metres.

Possible installation types

Fixed or portable in vertical or horizontal position.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA																		CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³/h	0	1	2	3	4.5	5	6	7	7.5	9	10	12	15	18						
				kW	HP		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	0.7	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			

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE
ALARM DEVICE	SAFEALERT - BUZZER FOR AUTOMATIC PUMPS	60220236
HYDRAULIC KIT	REFLOW KIT 1 1/2"	60220272
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 1 1/2" THREADED	002130286

FEKA VS

SUBMERSIBLE PUMPS FOR WASTEWATER AND RAINWATER



NEW



Submersible pumps designed for domestic/residential and commercial applications, made entirely from stainless steel and suited to lifting solids-laden and waste water containing solid matter measuring up to 50 mm in diameter.

With their hydraulics fine-tuned for purpose, we have achieved an overall increase in efficiency, resulting in reduced consumption for the same performance and reliability.

The vortex impeller is made from stainless steel; there is a double mechanical seal with a non-toxic oil chamber between the two seals, which are made from carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side.

The seal holder cover, motor housing, pump casing, cap and handle are all made from stainless steel. The handle is covered in insulating rubber.

The asynchronous dry motor is watertight and cooled by the fluid being pumped. The rotor is mounted on lifetime-greased oversized ball bearings selected for quiet running and longevity. The motor shaft is made from AISI 316 stainless steel.

Thermal overcurrent protection comes as standard on the single-phase version.

Built to Italian standards CEI 2-3 and CEI 61-69 (EN 60335-2-41). The maximum ambient temperature for operating FEKA VS is +40°C with the motor out of the fluid.

Flow rate 3 m³h to 39 m³h

Head 17 m

Pumped liquid Sewage and general wastewater, non-aggressive.

Free passage 50 mm.

Liquid temperature range

0°C to +35°C for domestic use;

0°C to +50°C for other uses.

Outlet Threaded 2" GAS.

Delivery direction Horizontal.

Impeller Stainless steel vortex.

Protection degree IP 68

Thermal classification of motor insulation

F

Power cable H05RN-F

Possible installation types Fixed or portable in vertical position.

Maximum immersion 7 metres.

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FEKA VS

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA										CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ h	Q=l/min												
				kW	HP			0	3	6	9	12	15	18	24	30	36			
FEKA VS 550 M-A	60219347H	1X220 - 240V~	0.9	0.55	0.75	4.1	7.8	6.9	6.2	5.6	4.1	3.2	1.8	-	-	-	10m	10.5	28	
FEKA VS 550 M-NA	60219352H	1X220 - 240V~	0.9	0.55	0.75	4.1	7.8	6.9	6.2	5.6	4.1	3.2	1.8	-	-	-	10m	10.5	28	
FEKA VS 550 T-NA	60219357H	3X400V~	0.9	0.55	0.75	1.8	7.5	6.9	6.2	5.6	4.1	3.2	1.8	-	-	-	10m	10.5	28	
FEKA VS 750 M-A	60219348H	1X220 - 240V~	1.1	0.7	0.95	4.8	9.6	9.2	8.5	7.6	6.7	5.6	4.3	1.9	-	-	10m	10.5	28	
FEKA VS 750 M-NA	60219353H	1X220 - 240V~	1.1	0.7	0.95	4.8	9.6	9.2	8.5	7.6	6.7	5.6	4.3	1.9	-	-	10m	10.5	28	
FEKA VS 750 T-NA	60219358H	3X400V~	1.1	0.7	0.95	2	9.6	9.2	8.5	7.6	6.7	5.6	4.3	1.9	-	-	10m	10.5	28	
FEKA VS 900 M-A	60219349H	1X220 - 240V~	1.35	0.9	1.22	6.3	11.8	11.3	10.5	9.8	9	8	6.8	4.1	-	-	10m	13.9	28	
FEKA VS 900 M-NA	60219354H	1X220 - 240V~	1.35	0.9	1.22	6.3	11.8	11.3	10.5	9.8	9	8	6.8	4.1	-	-	10m	13.9	28	
FEKA VS 900 T-NA	60219359H	3X400V~	1.35	0.9	1.22	2.6	11.8	11.3	10.5	9.8	9	8	6.8	4.1	-	-	10m	13.9	28	
FEKA VS 1100 M-A	60219350H	1X220 - 240V~	1.6	1.1	1.5	7.3	14	13.4	12.8	12	11.2	10.1	9	6.7	4	-	10m	13.9	28	
FEKA VS 1100 M-NA	60219355H	1X220 - 240V~	1.6	1.1	1.5	7.3	14	13.4	12.8	12	11.2	10.1	9	6.7	4	-	10m	13.9	28	
FEKA VS 1100 T-NA	60219360H	3X400V~	1.6	1.1	1.5	2.9	14	13.4	12.8	12	11.2	10.1	9	6.7	4	-	10m	13.9	28	
FEKA VS 1500 M-A	60219351H	1X220 - 240V~	2	1.5	2	9.1	17	16	15.4	15.1	14.5	13.3	12.4	10.43	6.8	3.1	10m	15.7	28	
FEKA VS 1500 M-NA	60219356H	1X220 - 240V~	2	1.5	2	9.1	17	16	15.4	15.1	14.5	13.3	12.4	10.43	6.8	3.1	10m	15.2	28	
FEKA VS 1500 T-NA	60219361H	3X400V~	2	1.5	2	3.8	17	16	15.4	15.1	14.5	13.3	12.4	10.43	6.8	3.1	10m	15.5	28	

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device
ALARM DEVICE	SAFE ALERT - BUZZER FOR AUTOMATIC PUMPS	60220236	•	
CONTROL PANEL*	E.BOX	-	•	
CONTROL PANEL*	NGPANEL	-	•	•
HYDRAULIC KIT	REFLOW PREVENTION KIT 2"	538860000	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE PN10 PVC 2" THREADED	002130287	•	•
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 2" THREADED	60160627	•	•
INSTALLATION ACCESSORY	LIFTING DEVICE	109530080		•
INSTALLATION ACCESSORY	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 150KG	60171183	•	•

* Always check the pump-panel combination in the selection tables

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE WATER



FEKA FXV

Submersible pump for draining sewage water in civil and commercial installations.

Certified to European Union standard EN 12050-1 which applies to lifting systems for wastewater containing faecal matter in buildings and construction sites.

The pump is suitable for fixed installations with a coupling device or portable if placed directly on the bottom of the tank.

Thanks to its high-efficiency super vortex impeller with integral free passage, the Feka FX V is suitable for use with fluids containing long-fibre solids, gas and sludge.

AISI 304 motor shaft and quick connecting resin-coated cable gland.

Feka FX V is able to deliver high flow rates. Double silicon carbide mechanical seal completely protected in the oil chamber and not in contact with the pumped liquid.

Quick connecting resin-coated cable gland. Its small footprint and flanged and threaded delivery ports make it ideal for replacements.

Designed for quick maintenance thanks to a construction solution that provides easy access to the pump's main components.

Single-phase versions with built-in capacitor, available with float for automatic operation with power ratings up to 1.5 kW.

In three-phase versions, protection is the responsibility of the user. Maximum dry running time: 10 min.

ATEX version available for use in potentially explosive environments (ATEX certification: II2G Ex db IIB T4 GB).

Pumped liquid Untreated wastewater.

Free passage

FX V 20: 50 mm;

FX V 25: 65 mm.

Liquid temperature range

+50°C (+60°C for short periods);

+40°C for ATEX version.

Outlet

FX V 20: threaded 2", flanged DN 50;

FX V 25: flanged DN 65.

Delivery direction

Horizontal and vertical with elbow kit accessory.

Impeller Cast iron vortex.

Maximum immersion 7 metres.

Possible installation types

Portable on the ground, fixed on coupling device.

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FEKA FX V 20

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	CABLE	WEIGHT KG	QTY PER PALLET									
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³/h Q=l/min	0	6	12	18	24	30	36	42	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
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 S 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 S 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 S 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 S TNA	60191265	3x400V	2.9	2.2	2.9	5	18.5	18	17.1	15.9	14.3	12.2	9.7	6.6												Rp 2" GAS	50 PN10/6	10 m	40	6

A: Automatic with float

S: Oil Sensor

FEKA FX V

SUBMERSIBLE PUMPS FOR SEWAGE WATER



FEKA FX V 25

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM DN1	CABLE	WEIGHT KG	QTY PER PALLET												
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³/h		0		6		12		18						24		30		36		42		48		54	
				Q=l/min	0		100	200	300	400	500	600	700	800	900	0					100	200	300	400	500	600	700	800	900			
FEKA FX V 25.07 MA	60196348	1x230V	1.5	1	1.3	6.6	H(m)	8.8	8.1	7	5.7	4.3	3	1.8	-	-	-	65 PN10/6	10m	36	6											
FEKA FX V 25.07 MNA	60196349	1x230V	1.5	1	1.3	6.6		8.8	8.1	7	5.7	4.3	3	1.8	-	-	-	65 PN10/6	10m	36	6											
FEKA FX V 25.07 STNA	60196351	3x400V	1.3	1	1.3	2.3		8.8	8.1	7	5.7	4.3	3	1.8	-	-	-	65 PN10/6	10m	36	6											
FEKA FX V 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	10m	37	6										
FEKA FX V 25.11 MNA	60191230	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	10m	37	6										
FEKA FX V 25.11 STNA	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	10m	37	6										
FEKA FX V 25.15 MA	60195811	1x230V	2.3	1.7	2.3	10.6		13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65 PN10/6	10m	43	6										
FEKA FX V 25.15 MNA	60194201	1x230V	2.3	1.7	2.3	10.6		13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65 PN10/6	10m	43	6										
FEKA FX V 25.15 STNA	60191263	3x400V	2.2	1.7	2.3	4		13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65 PN10/6	10m	43	6										
FEKA FX V 25.22 STNA	60191267	3x400V	2.8	2.2	2.9	4.9		16.5	16.3	15.6	14.5	13	11.3	9.4	7.5	5.6	3.8	-	65 PN10/6	10m	41	6										
FEKA FX V 25.30 STNA	60220089	3x400V	3.4	3	4	6.8		20	19.5	18.9	18	16.7	14.8	13	11	8.5	6.8	-	65 PN10/6	10m	46	6										

A: Automatic with float

S: Oil Sensor

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device	FXV DN50	FXV DN65
CONTROL PANEL*	NGPANEL	-	•	•	•	•
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 2" THREADED	60160627	•	•	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 50	60160629	•	•	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 65	60160630	•	•		•
INSTALLATION ACCESSORY	90° ELBOW KIT 2" GAS	60195856	•		•	
INSTALLATION ACCESSORY	90° ELBOW KIT 2" 1/2 GAS	60211555	•			•
INSTALLATION ACCESSORY	90° ELBOW KIT 3" GAS	60203622	•			•
INSTALLATION ACCESSORY	DA-050 HORIZONTAL COUPLING DEVICE	60195865		•	•	
INSTALLATION ACCESSORY	DA-065 HORIZONTAL COUPLING DEVICE DN65	60170310		•		•
INSTALLATION ACCESSORY	LIFTING DEVICE DN65 - VERTICAL	60167993		•		•
INSTALLATION ACCESSORY	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 150KG	60171183		•	•	•

* Always check the pump-panel combination in the selection tables

FEKA FX S

SUBMERSIBLE PUMPS FOR WASTEWATER



Submersible pump for lifting and transferring wastewater from drains in civil and commercial installations, certified according to the wastewater standard EN 12050-1.

The anti-clogging screw impeller is optimised for high hydraulic efficiency and makes the pump suitable for handling fluids containing solids up to a maximum size of 50 mm, while maintaining reliability and peace of mind.

Suitable for fixed installations with a coupling device or portable if placed directly on the bottom of the tank.

Available with delivery port DN65 or DN 80.

Double silicon carbide mechanical seal completely protected in the oil chamber and not in contact with the pumped liquid.

Motor shaft made of AISI 304 stainless steel, resin-coated cable gland, quick connecting power cable.

Designed for quick maintenance thanks to a construction solution that provides easy access to the pump's main components.

Thermal protection is the responsibility of the user.

Maximum dry running time: 10 minutes.

Flow rate 0 to 84 m³/h

Head 25 m.

Pumped liquid Wastewater, gray water and groundwater

Free passage 50 mm

Max liquid temperature +50°C (+60°C for short periods)

Outlet

FXS 25: DN 65

FXS 30: DN 80

Delivery direction Horizontal.

Impeller Anti-clogging screw

Motor protection degree IP 68

Thermal classification of motor insulation F.

Power cable 07RN8-F for three-phase versions

Possible installation types Portable on the ground, fixed on coupling device

Maximum immersion depth 7 m - with standard 10 m cable

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	CABLE	WEIGHT KG	QTY PER PALLET								
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	9	18	33	39	48	57	72	Q=l/min					0	150	300	550	650	800	950	1200
				kW	HP		H (m)																					
FEKA FXS 25.30 S TNA	60220090	3x400V	3.4	3	4	6.8															65 PN10/6	10 m	54	6				
FEKA FXS 30.30 S TNA	60220091	3x400V	3.4	3	4	6.8															80 PN10/6	10 m	56	6				

S: Oil Sensor

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device	FXS DN65	FXS DN80
CONTROL PANEL*	NGPANEL	-	•	•	•	•
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN65 - HORIZONTAL	60170310		•	•	
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN80 - HORIZONTAL	60220454		•		•
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN65 - VERTICAL	60167993		•	•	
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN80 - VERTICAL	60167994		•		•
INSTALLATION ACCESSORY	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 150KG	60171183	•	•	•	•
INSTALLATION ACCESSORY	90° ELBOW KIT 2" 1/2 GAS	60211555	•		•	
INSTALLATION ACCESSORY	90° ELBOW KIT 3" GAS	60203622	•		•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 65	60160630	•	•	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 80	60160631	•	•		•

* Always check the pump-panel combination in the selection tables

FK V

SUBMERSIBLE PUMPS FOR WASTEWATER



Submersible pumps suitable for pumping wastewater and sewage from private, commercial and municipal sewerage networks, in accordance with European standard EN 12050-1.

Fitted with a cast iron vortex impeller with total free passage with new anti-clogging profile that makes them suitable for use with fluids containing long-fibre solids, gas and sludge.

Double cartridge mechanical seal as standard in SiC-SiC silicon carbide on hydraulic side, in SiC/C silicon carbide on motor side, independent of direction of rotation.

Exhaust flange available in DN65, DN80, DN100 according to EN 1092-1.

Three-phase asynchronous motor, with squirrel-cage rotor, high efficiency in efficiency class IE3.

Suitable for use with liquids with a 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 minimal immersion levels. Water seepage sensor in the oil chamber, capable of signalling possible seepage through the mechanical seal (optional). Overheat sensors in the motor windings, with trip threshold at 150°C.

Long-life lubricated bearings for a calculated service life of at least 50,000 hours. Stainless steel motor shaft, designed with high fatigue strength.

Power ratings from 1.1 kW to 11 kW.

ATEX version available for use in potentially explosive environments.

Pumped liquid Untreated wastewater.

Liquid temperature range

0° to +40°C.

Impeller Cast iron vortex.

Power cable length 10 m.

Maximum immersion 7 metres.

Possible installation types Fastened by means of coupling device or free standing in vertical position on base.

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MODEL	STANDARD CODE	OIL SENSOR CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG	
			POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m³/h	0	12	24	36	48	60	72	84	96				108
					kW	HP															
FKV 80 60.2 T5	60171425	60172166	3x400 VY/D	6.9	6	8.2	11.7	H(m)	29.1	27.5	24.4	20.3	15.7	11.4	7.9	-	-	-	80	80	168
FKV 80 75.2 T5	60170434	60172167	3x400 VY/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
FKV 80 92.2 T5	60171426	60172168	3x400 VY/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
FKV 80 110.2 T5	60170429	60172169	3x400 VY/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

MODEL	STANDARD CODE	OIL SENSOR CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG	
			POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOM.		In A	Q=m³/h	0	15	30	45	60	75	90	105	126				144
					kW	HP															
FKV 100 30.4 T5	60171446	60172170	3x400 V DOL	3.5	3	4	8	H(m)	11.8	10.9	9.6	8	6.2	4.6	3.1	-	-	-	100	100	167
FKV 100 40.4 T5	60171447	60172171	3x400 V DOL	4.5	4	5.5	8.9		14	13.1	11.9	10.4	8.8	7.1	5.4	3.9	-	-	100	100	167
FKV 100 55.4 T5	60171448	60172172	3x400 VY/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
FKV 100 75.4 T5	60170428	60172173	3x400 VY/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 supply: 3x400V DOL direct starting, 3x400V Y/D star/delta starter.

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device	FKV 80	FKC 80 FKV 100	FKC 100 FKC 150
CONTROL PANEL*	NGPANEL	-	•				
CONTROL PANEL*	ED, E2D, E3D	-	•				
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 80	60160631	•				
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 100	60160632	•				
HYDRAULIC ACCESSORY	GATE VALVE FLAT BODY DN 80	60163813	•				
HYDRAULIC ACCESSORY	GATE VALVE FLAT BODY DN 100	60163814	•				
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN80 - VERTICAL	60167994		•			
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN100 - VERTICAL	60169609		•			
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN150 - VERTICAL	60169610		•			
INSTALLATION ACCESSORY	CHAIN KIT WITH 3M SHACKLE A316 MAX 350KG	60178908		•			
INSTALLATION ACCESSORY	SUPPORT BASE Ø330 FK	60170330	•		•		
INSTALLATION ACCESSORY	SUPPORT BASE Ø355 FK	60170331	•			•	Up to 2.2 kW
INSTALLATION ACCESSORY	SUPPORT BASE Ø400 FK	60184584	•				Over 2.2 kW

* Always check the pump-panel combination in the selection tables

FK C

SUBMERSIBLE PUMPS FOR WASTEWATER



Submersible pumps suitable for pumping dirty water, pre-treated sewage, activated sludge and clarified wastewater from both private and commercial installations, in accordance with European standard EN 12050-1. Open, two-vane, cast iron channel impeller, 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 hydraulic side, in SiC/C silicon carbide on motor side, independent of direction of rotation. Exhaust flange available in DN65, DN80, DN100 according to EN 1092-1. Three-phase asynchronous motor, with squirrel-cage rotor, high efficiency in efficiency class IE3. Suitable for use with liquids with a 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 minimal immersion levels. Water seepage sensor in the oil chamber, capable of signalling possible seepage through the mechanical seal (optional).

Overheat sensors in the motor windings, with trip threshold at 150°C. Long-life lubricated bearings for a calculated service life of at least 50,000 hours.

Stainless steel motor shaft, designed with high fatigue strength. Power ratings from 1.1 kW to 11 kW. ATEX version available for use in potentially explosive environments.

Pumped liquid Untreated wastewater.

Liquid temperature range
0° to +40°C.

Impeller Channels in cast iron.

Power cable length 10 m.

Maximum immersion 7 metres.

Possible installation types Fastened by means of coupling device or free standing in vertical position on base.

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MODEL	STANDARD	OIL SENSOR	ELECTRICAL DATA					HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG	
	CODE	CODE	POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	21	42	63	84	105	126	147	168				189
					Q=l/min	0		350	700	1050	1400	1750	2100	2450	2800	3150					
FKC 80 55.4 T5	60176854	60180437	3x400 VY/D	6.3	5.5	7.5	12	H(m)	21	18.8	16.8	15.1	13.5	12	10.6	9.3	7.9	-	80	80	235
FKC 80 75.4 T5	60176855	60180438	3x400 VY/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

MODEL	STANDARD	OIL SENSOR	ELECTRICAL DATA					HYDRAULIC DATA										DNM	FREE PASSAGE mm	WEIGHT KG	
	CODE	CODE	POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m ³ /h	0	30	60	90	120	150	180	210	240				288
					Q=l/min	0		500	1000	1500	2000	2500	3000	3500	4000	4800					
FKC 100 30.4 T5	60176873	60180445	3x400 VDOL	3.3	3	4	7.7	H(m)	9.8	9	7.9	6.8	5.5	4.2	3	-	-	-	100	100	190
FKC 100 40.4 T5	60176874	60180446	3x400 VDOL	4.2	4	5.5	8.6		13.1	11.4	9.8	8.3	6.9	5.4	4	-	-	-	100	100	190
FKC 100 55.4 T5	60176850	60180434	3x400 VY/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
FKC 100 75.4 T5	60176851	60180435	3x400 VY/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

SUBMERSIBLE PUMPS FOR WASTEWATER



MODEL	STANDARD	OIL SENSOR	ELECTRICAL DATA						HYDRAULIC DATA												DNM	FREE PASSAGE mm	WEIGHT KG
	CODE	CODE	POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³/h Q=l/min	0	36	72	108	144	180	216	252	288	324					
					kW	HP													0	600			
FKC 150 30.4 T5	60177074	60180448	3x400 V DOL	3.7	3	4.1	7.8	H (m)	9.7	8.7	7.6	6.3	5	3.5	2.1	-	-	-	150	100	193		
FKC 150 40.4 T5	60176875	60180447	3x400 V DOL	4.5	4	5.5	8.7		13.3	11.4	9.8	8.1	6.6	5	3.3	1.5	-	-	150	100	193		
FKC 150 55.4 T5	60176852	60180436	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		
FKC 150 75.4 T5	60176853	60180433	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 supply: 3x400V DOL direct starting, 3x400V Y/D star/delta starter.

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device	FKV 80	FKC 80 FKV 100	FKC 100 FKC 150
CONTROL PANEL*	NGPANEL	-	•				
CONTROL PANEL*	ED, E2D, E3D	-	•				
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 80	60160631	•				
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE DN 100	60160632	•				
HYDRAULIC ACCESSORY	GATE VALVE FLAT BODY DN 80	60163813	•				
HYDRAULIC ACCESSORY	GATE VALVE FLAT BODY DN 100	60163814	•				
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN80 - VERTICAL	60167994		•			
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN100 - VERTICAL	60169609		•			
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN150 - VERTICAL	60169610		•			
INSTALLATION ACCESSORY	CHAIN KIT WITH 3M SHACKLE A316 MAX 350KG	60178908		•			
INSTALLATION ACCESSORY	SUPPORT BASE Ø330 FK	60170330	•		•		
INSTALLATION ACCESSORY	SUPPORT BASE Ø355 FK	60170331	•			•	Up to 2.2 kW
INSTALLATION ACCESSORY	SUPPORT BASE Ø400 FK	60184584	•				Over 2.2 kW

* Always check the pump-panel combination in the selection tables

FEKA VS GRINDER

SUBMERSIBLE WASTEWATER PUMPS WITH SHREDDER



FEKA VS GRINDER MA

FEKA VS GRINDER M-NA

Submersible pump with shredder for lifting and transferring sewage water from drains in domestic installations.

The pump is certified to European Union standard EN 12050-1 which applies to lifting systems for wastewater containing faecal matter in buildings and construction sites.

Thanks to the shredder, the pump is suitable for systems with small pipe diameters or requiring high pressures.

The shredding system is in AISI 630 stainless steel.

The handle is covered with insulating rubber.

The motor shaft is in AISI 316 stainless steel.

Double mechanical seal with an oil chamber in between (non-toxic oil), made of carbon/alumina on the motor side and silicon carbide/silicon carbide on the pump side.

Seal cover, motor casing, cap and handle are made of stainless steel. Cast iron pump body and base.

The motor is dry, asynchronous, watertight and cooled by the pumped liquid.

The rotor is mounted on ball bearings greased for life, oversized and selected for low noise and durability.

The single-phase version has thermo-amperometric protection as standard. The three-phase version has thermo-amperometric protection that can be connected to a control panel.

Permanently inserted capacitor in the single-phase version.

Construction according to CEI 2-3 CEI 61-69 standards (EN 60335-2-41).

Pumped liquid Untreated wastewater.

Liquid temperature range

0 °C to +40 °C.

Outlet

Thread 1 1/2" GAS

Flange DN 32 and DN 40.

Delivery direction

Horizontal and vertical with elbow kit accessory.

Impeller Open in cast iron with shredder.

Maximum immersion 7 metres.

Possible installation types

Fixed or portable in vertical or horizontal position.

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM	CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q=m³h	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	1x230V	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	10m	23	13		
FEKA VS GRINDER 1000 M-NA	60211234H	1x230V	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	10m	23	13		
FEKA VS GRINDER 1000 TNA	60211235H	3x400V	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	10m	23	13		

A: Automatic with float

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device
CONTROL PANEL*	E.BOX	-	•	•
CONTROL PANEL*	NGPANEL	-	•	•
INSTALLATION ACCESSORY	LIFTING DEVICE FOR FLANGED PUMPS DN50 - HORIZONTAL	60195865		•
INSTALLATION ACCESSORY	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 150KG	60171183	•	•
HYDRAULIC ACCESSORY	90° ELBOW KIT - DN32/DN40 - 1 1/2"	60195857	•	
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 1 1/2" THREADED	60160626	•	•

* Always check the pump-panel combination in the selection tables

GRINDER FX

SUBMERSIBLE SEWAGE WATER PUMPS WITH SHREDDER



Submersible pump with shredder for lifting and transferring sewage water from drains in civil and commercial installations. Certified to European Union standard EN 12050-1 which applies to lifting systems for wastewater containing faecal matter in buildings and construction sites. The pump is suitable for fixed installations with a coupling device or portable if placed directly on the bottom of the tank. Thanks to the shredder, the pump is suitable for systems with small pipe diameters or requiring high pressures. The shredding system is in AISI 630 stainless steel. Double silicon carbide mechanical seal completely protected in the oil chamber and not in contact with the pumped liquid. AISI 304 motor shaft. Quick connecting resin-coated cable gland. Its small footprint and flanged and threaded delivery ports make it ideal for replacements. Designed for quick maintenance thanks to a construction solution that provides easy access to the pump's main components. Single-phase versions with starting capacitor in the external panel provided with the product, available with float for automatic operation with power ratings up to 1.5 kW. In three-phase versions, protection is the responsibility of the user. Maximum dry running time: 10 min. ATEX version available for use in potentially explosive environments (ATEX certification: II2G Ex db IIB T4 GB).

Pumped liquid Untreated wastewater.

Liquid temperature range

+50°C (+60°C for short periods);

+40°C for ATEX version.

Outlet

Threaded 1 1/2" GAS

Flanged DN 32 and DN 40.

Delivery direction horizontal and vertical with elbow kit accessory.

Impeller Open in cast iron with shredder.

Maximum immersion 7 metres.

Possible installation types

Portable on the ground, fixed on coupling device.

GRINDER FX

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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	CABLE	WEIGHT KG	QTY PER PALLET				
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL kW	HP	In A	Q=m³/h	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2					Q=l/min	0	40	80
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 GAS	DN32 PN10/6 DN40 PN6	10m	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 GAS	DN32 PN10/6 DN40 PN6	10m	35	6			
GRINDER FX 15.07 S 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 GAS	DN32 PN10/6 DN40 PN6	10m	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 GAS	DN32 PN10/6 DN40 PN6	10m	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 GAS	DN32 PN10/6 DN40 PN6	10m	35	6		
GRINDER FX 15.11 S 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 GAS	DN32 PN10/6 DN40 PN6	10m	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 GAS	DN32 PN10/6 DN40 PN6	10m	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 GAS	DN32 PN10/6 DN40 PN6	10m	38	6		
GRINDER FX 15.15 S 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 GAS	DN32 PN10/6 DN40 PN6	10m	38	6		
GRINDER FX 15.22 S 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		Rp 1"1/2 GAS	DN32 PN10/6 DN40 PN6	10m	39	6		

A: Automatic with float

S: Oil Sensor

GROUPING: AP

RECOMMENDED ACCESSORIES

TYPE	DESCRIPTION	CODE	Standalone installation	Installation with lifting device
CONTROL PANEL*	NGPANEL	-	•	•
HYDRAULIC ACCESSORY	NON-RETURN BALL VALVE 1 1/2" THREADED	60160626	•	•
INSTALLATION ACCESSORY	90° ELBOW KIT 1 1/2" GAS FX	60195857	•	
INSTALLATION ACCESSORY	DA-050 HORIZONTAL COUPLING DEVICE	60195865		•
HYDRAULIC ACCESSORY	CHAIN KIT WITH 3M SHACKLE A316 MAX 150KG	60171183		•

* Always check the pump-panel combination in the selection tables

SPECIAL WASTEWATER DESIGNS

These products are supplied with a built-in capacitor in the single-phase version.

In all models listed below, management and control panels will be the responsibility of the installer and will not be supplied by DAB.

SPECIAL OPTIONS - WASTEWATER

FX – ATEX VERSIONS 

GRINDER FX - FEKA FX V

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE	
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³h	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	Rp 1 1/2" GAS				DN32 PN10/6 DN40 PN6
				kW	HP		Q=l/min	0	40	80	120	160	200	240	280	320					
GRINDER FX 15.07 TNA 400/50 EX	60194120	3x400V	1	0.8	1.1	2	H(m)	16.9	15.2	13.4	11.4	9.2	6.7	3.9	-	-	10m				
GRINDER FX 15.11 TNA 400/50 EX	60194170	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	10m				
GRINDER FX 15.15 TNA 400/50 EX	60194227	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	10m				
GRINDER FX 15.22 TNA 400/50 EX	60191280	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	10m				

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³h	0	6	12	18	24	30	36	42	Rp 2" GAS	50 PN10/6			
				kW	HP		Q=l/min	0	100	200	300	400	500	600	700					
FEKA FXV 20.07 MNA 220-240/50 EX	60194085	1x230V	1.4	0.9	1.2	6.4	H(m)	11.7	10.9	9.6	7.7	5.4	2.9	-	-	10m				
FEKA FXV 20.07 TNA 400/50 EX	60194086	3x400V	1.4	0.9	1.2	2.4		11.7	10.9	9.6	7.7	5.4	2.9	-	-	10m				
FEKA FXV 20.11 MNA 220-240/50 EX	60194135	1x230V	1.7	1.2	1.6	8		13.1	12.9	11.9	10.1	7.7	4.8	-	-	10m				
FEKA FXV 20.11 TNA 400/50 EX	60194136	3x400V	1.6	1.2	1.6	2.9		13.1	12.9	11.9	10.1	7.7	4.8	-	-	10m				
FEKA FXV 20.15 MNA 220-240/50 EX	60194187	1x230V	2.3	1.7	2.3	10.5		16.2	15.6	14.4	12.6	10.4	7.7	4.7	-	10m				
FEKA FXV 20.15 TNA 400/50 EX	60194189	3x400V	2.2	1.7	2.3	4		16.2	15.6	14.4	12.6	10.4	7.7	4.7	-	10m				
FEKA FXV 20.22 TNA 400/50 EX	60194248	3x400V	2.9	2.2	2.9	5		18.5	18	17.1	15.9	14.3	12.2	9.7	6.6	10m				

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE
		POWER SUPPLY 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 25.15 MNA 220-240/50 EX	60194202	1x230V	2.3	1.7	2.3	10.6	H(m)	13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65PN10/6	10m
FEKA FXV 25.15 TNA 400/50 EX	60194241	3x400V	2.2	1.7	2.3	4		13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65PN10/6	10m
FEKA FXV 25.22 TNA 400/50 EX	60194255	3x400V	2.8	2.2	2.9	4.9		16.5	16.3	15.6	14.5	13	11.3	9.4	7.5	5.6	3.8	-	65PN10/6	10m

FK V 80

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	12	24	36	48	60	72	84	96	108			
				kW	HP		Q=l/min	0	200	400	600	800	1000	1200	1400	1600	1800			
FKV 80 60/2 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179000	3x400 VY/D	6.9	6	8.2	11.7	H(m)	29.1	27.5	24.4	20.3	15.7	11.4	7.9	-	-	-	80	80	168
FKV 80 75/2 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179001	3x400 VY/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
FKV 80 92/2 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179002	3x400 VY/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
FKV 80 110/2 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179003	3x400 VY/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

SPECIAL WASTEWATER DESIGNS

FK V 100

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	15	30	45	60	75	90	105	126	144			
				kW	HP		Q=l/min	0	250	500	750	1000	1250	1500	1750	2100	2400			
FKV 100 30/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179004	3x400V DOL	3.5	3	4	8	H(m)	11.8	10.9	9.6	8	6.2	4.6	3.1	-	-	-	100	100	167
FKV 100 40/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179005	3x400V DOL	4.5	4	5.5	8.9		14	13.1	11.9	10.4	8.8	7.1	5.4	3.9	-	-	100	100	167
FKV 100 55/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179006	3x400V 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
FKV 100 75/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60179007	3x400V 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

FK C 80

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	21	42	63	84	105	126	147	168	189			
				kW	HP		Q=l/min	0	350	700	1050	1400	1750	2100	2450	2800	3150			
FKC 80 55/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180460	3x400V Y/D	6.3	5.5	7.5	12	H(m)	21	18.8	16.8	15.1	13.5	12	10.6	9.3	7.9	-	80	80	235
FKC 80 75/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180461	3x400V 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	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	30	60	90	120	150	180	210	240	288			
				kW	HP		Q=l/min	0	500	1000	1500	2000	2500	3000	3500	4000	4800			
FKC 100 30/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180468	3x400V DOL	3.3	3	4	7.7	H(m)	9.8	9	7.9	6.8	5.5	4.2	3	-	-	-	100	100	190
FKC 100 40/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180469	3x400V DOL	4.2	4	5.5	8.6		13.1	11.4	9.8	8.3	6.9	5.4	4	-	-	-	100	100	190
FKC 100 55/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180457	3x400V 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
FKC 100 75/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180458	3x400V 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	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m³h	0	36	72	108	144	180	216	252	288	324			
				kW	HP		Q=l/min	0	600	1200	1800	2400	3000	3600	4200	4800	5400			
FKC 150 30/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180471	3x400V DOL	3.7	3	4.1	7.8	H(m)	9.7	8.7	7.6	6.3	5	3.5	2.1	-	-	-	150	100	193
FKC 150 40/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180470	3x400V DOL	4.5	4	5.5	8.7		13.3	11.4	9.8	8.1	6.6	5	3.3	1.5	-	-	150	100	193
FKC 150 55/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180459	3x400V 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
FKC 150 75/4 II 2G EX DB H IIB T4 GB ATEX-T40°C	60180456	3x400V 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

SPECIAL WASTEWATER DESIGNS

FX - DIFFERENT CABLE LENGTHS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM		CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³/h	0	2.4	4.8	7.2	9.6	12	14.4	16.8	19.2	GAS	DN1		
				kW	HP		Q=l/min	0	40	80	120	160	200	240	280	320				
GRINDER FX 15.22 S TNA 20M	60219513	3x400V	2.6	2.1	2.8	4.7	H (m)	32.8	30.5	28.5	26.5	24.4	22.3	19.9	17.2	14	Rp 1 1/2" GAS	DN32 PN10/6 DN40 PN6	20 m	

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNM		CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³/h	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 20.15 S TNA 20M	60213748	3x400V	2.2	1.7	2.3	4	H (m)	16.2	15.6	14.4	12.6	10.4	7.7	4.7	-	-	-	Rp 2"	50 PN10/6	20 m			
FEKA FXV 20.22 S TNA 20M	60202455	3x400V	2.9	2.2	2.9	5		18.5	18	17.1	15.9	14.3	12.2	9.7	6.6	-	-	Rp 2"	50 PN10/6	20 m			
FEKA FXV 25.15 S TNA 20M	60219507	3x400V	2.2	1.7	2.3	4		13.7	13.4	12.4	11	9.2	7.4	5.5	3.9	2.5	-	-	65 PN10/6	20 m			
FEKA FXV 25.22 S TNA 20M	60216804	3x400V	2.8	2.2	2.9	4.9		16.5	16.3	15.6	14.5	13	11.3	9.4	7.5	5.6	3.8	-	65 PN10/6	20 m			
FEKA FXV 20.22 S TNA 30M	60216750	3x400V	2.9	2.2	2.9	5		18.5	18	17.1	15.9	14.3	12.2	9.7	6.6	-	-	Rp 2"	50 PN10/6	30 m			
FEKA FXV 25.22 S TNA 30M	60219509	3x400V	2.8	2.2	2.9	4.9		16.5	16.3	15.6	14.5	13	11.3	9.4	7.5	5.6	3.8	-	65 PN10/6	30 m			
FEKA FXV 25.30 S TNA 20M	60220213	3x400V	3.4	3	4	6.8		20	19.5	18.9	18	16.7	14.8	13	11	8.5	6.8	-	65 PN10/6	20 m			
FEKA FXV 25.30 S TNA 30M	60220214	3x400V	3.4	3	4	6.8		20	19.5	18.9	18	16.7	14.8	13	11	8.5	6.8	-	65 PN10/6	30 m			

S: Oil Sensor

FX - DIFFERENT CABLE LENGTHS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNM	CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOMINAL		In A	Q=m³/h	0	6	12	18	24	30	36	42	DN1		
				kW	HP		Q=l/min	0	150	300	550	650	800	950	1200			
FEKA FXS 25.30 S TNA 20M	60220215	3x400V	3.4	3	4	6.8	H (m)	25	22.5	20	15.2	13.4	10.8	7.5	2.6	65 PN10/6	20 m	
FEKA FXS 30.30 S TNA 20M	60220217	3x400V	3.4	3	4	6.8		25	22.5	20	15.2	13.4	10.8	7.5	2.6	80 PN10/6	20 m	
FEKA FXS 25.30 S TNA 30M	60220216	3x400V	3.4	3	4	6.8		25	22.5	20	15.2	13.4	10.8	7.5	2.6	65 PN10/6	30 m	
FEKA FXS 30.30 S TNA 30M	60220218	3x400V	3.4	3	4	6.8		25	22.5	20	15.2	13.4	10.8	7.5	2.6	80 PN10/6	30 m	

S: Oil Sensor

SPECIAL WASTEWATER DESIGNS

FK - DIFFERENT CABLE LENGTHS

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m ³ h	0	12	24	36	48	60	72	84	96	108			
				kW	HP		Q=l/min	0	200	400	600	800	1000	1200	1400	1600	1800			
FKV 80 60.2 TNA 20M	60216792	3x400 VY/D	6.9	6	8.2	11.7	H(m)	29.1	27.5	24.4	20.3	15.7	11.4	7.9	-	-	-	80	80	20m
FKV 80 75.2 T5 20M	60219659	3x400 VY/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	20m
FKV 80 92.2 20M	60185478	3x400 VY/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	20m
FKV 80 110.2 20M	60183546	3x400 VY/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	20m

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m ³ h	0	15	30	45	60	75	90	105	126	144			
				kW	HP		Q=l/min	0	250	500	750	1000	1250	1500	1750	2100	2400			
FKV 100 55.4 T5 20M	60219660	3x400 VY/D	6.2	5.5	7.5	11.3	H(m)	15.9	15.5	14.8	13.7	12.3	10.8	9.2	7.5	5.4	-	100	100	20m
FKV 100 75.4 T5 20M	60188593	3x400 VY/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	20m

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m ³ h	0	21	42	63	84	105	126	147	168	189			
				kW	HP		Q=l/min	0	350	700	1050	1400	1750	2100	2450	2800	3150			
FKC 80 55.4 T5 20M	60219663	3x400 VY/D	6.3	5.5	7.5	12	H(m)	21	18.8	16.8	15.1	13.5	12	10.6	9.3	7.9	-	80	80	20m
FKC 80 75.4 T5 20M	60219661	3x400 VY/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	20m

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA											DNM	FREE PASSAGE mm	CABLE
		POWER SUPPLY 50 Hz	P1 MAX Kw	P2 NOM.		In A	Q=m ³ h	0	30	60	90	120	150	180	210	240	288			
				kW	HP		Q=l/min	0	500	1000	1500	2000	2500	3000	3500	4000	4800			
FKC 100 55.4 T5 20M	60186020	3x400 VY/D	5.7	5.5	7.5	11.4	H(m)	17.4	15.4	13.5	11.8	10.2	8.7	7.1	5.5	3.9	-	100	100	20m
FKC 100 75.4 T5 20M	60219662	3x400 VY/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	20m

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

GENIX

AUTOMATIC LIFTING STATIONS



GENIX



GENIX WL



Indispensable in cases where wastewater from toilets, showers, washbasins or bidets cannot be expelled by gravity. It is a lifting station that collects and pumps wastewater through a small pipe to the nearest gravity drain.

GENIX models feature a front toilet outlet. The GENIX WL version differs in that it has a side toilet outlet, specially designed for applications with wall-hung sanitary ware or when there is not enough space behind the toilet. The 110 model can be connected to an additional utility such as a washbasin in addition to the toilet. The 130 model can be connected to three additional utilities, such as a washbasin, shower, bidet or bathtub in addition to the toilet. The available models are low noise, which is further enhanced in the Comfort versions. The pump is powerful and reliable; the shredder is made of nickel-plated stainless steel. These components make it durable and virtually maintenance-free. In the event of a blockage, extraordinary maintenance is a clean and hassle-free operation: without removing the product, simply drain off excess water into a basin and then remove the motor unit. The installation kit comes with connections adaptable to different pipe diameters with quick connectors and built-in non-return valves. An audible flood alarm and an extension pipe adapter are available as accessories to adapt the GENIX to pre-existing installations.

Operating range

Liquid from 0°C to +50°C.

Wastewater as per EN 12050-3.

Capacity Approved for 6 to 9 litre flushes according to EN 12050-3.

Operation Automatic.

Approvals VDE-GS, LGA, VDE-EMC.



ONLINE
TRAINING

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA						H max according to EN12050-3 (m)	Additional inlets	DNM mm	WEIGHT KG	
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³h Q=l/min	0	0.9	1.8	3	4.2					5.4
			kW	HP												
GENIX 110	60165319H	1x230V ~	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	60161880H	1x230V ~	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	60165322H	1x230V ~	0.32	0.44	2.3		8	7.5	6.8	5.2	3.5	1	6	1 (up)		11.2
GENIX COMFORT 130	60165318H	1x230V ~	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	60185327H	1x230V ~	0.32	0.44	2.3		8	7.5	6.8	5.2	3.5	1	6	1 (up)		10
GENIX WL 130	60185581H	1x230V ~	0.32	0.44	2.3		8	7.5	6.8	5.2	3.5	1	6	2 (side) + 1 (up)		10.3

GROUPING: AP

ACCESSORIES

	AUDIBLE ALARM DEVICE	60166477
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discover GENIX



GENIX VT

AUTOMATIC LIFTING STATIONS



Indispensable in cases where wastewater from washbasins, showers, washing machines or dishwashers cannot be expelled by gravity. It is a lifting station that collects and pumps wastewater through a small pipe to the nearest gravity drain. The 010 model can be connected to a utility with a high outlet such as a washbasin. The 030 model can be connected to up to three utilities with a low outlet, such as a shower, bidet or bathtub. The available models are low noise and highly reliable, guaranteed by a powerful motor that allows operation even at high temperatures, up to 90°C. In the event of a blockage, extraordinary maintenance is a clean and hassle-free operation: without removing the product, simply drain off excess water into a basin and then remove the motor unit. The installation kit comes with connections adaptable to different pipe diameters with quick connectors and built-in non-return valves. An audible flood alarm and an extension pipe adapter are available as accessories to adapt the GENIX to pre-existing installations.

Operating range

Liquid from 0°C to +75°C and up to 90°C for 30 min.

Operation Automatic.

Approvals LGA.



ONLINE
TRAINING

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA							H max according to EN12050-3 (m)	Inlets	DNM mm	WEIGHT KG	
		POWER SUPPLY 50 Hz	P2 NOMINAL		In A	Q=m³/h	0	0.9	1.8	4.2	5.4	5.7					6.7
			kW	HP		Q=l/min	0	15	30	60	90	110					130
GENIX VT 010	60185582H	1x230V~	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
GENIX VT 030	60185583H	1x230V~	0.32	0.44	2.5		8.8	8.4	8	6.9	4.8	3.3	1.9	6	3		10.3

GROUPING: AP

ACCESSORIES

	AUDIBLE ALARM DEVICE	60166477
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discover GENIX



GROUPING: AE

NOVABOX

AUTOMATIC LIFTING STATIONS



The automatic lifting stations for domestic wastewater from baths, washbasins, showers and washing machines installed in basements or otherwise below the sewer level.

Feature a NOVA 300 electric pump with a 5-metre power cable and plug mounted on a technopolymer plate, a 30-litre technopolymer container, and a non-return valve mounted on the delivery.

The lifting station is delivered ready for use.

Pumped liquid Wastewater free of solids and/or fibrous substances.

Liquid temperature range

0°C to +50°C. Up to 90°C for 3 min.

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA			WEIGHT KG
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q m³/h	H m	
				kW	HP				
NOVABOX 30/3001 M 40TH	60196309H	1x220-240V~	0.29	0.22	0.3	1.3	1-7.2	6,3-1	9.2

DELS

AUTOMATIC EXTERNAL LIFTING STATION


NEW


External lifting station to manage untreated waste water, when the sewer network cannot be reached, because of gravity issue. Compact and all integrated, with Low noise water cooled motor: ideal for domestic and residential applications - such as basements or garages.

It's also designed for light commercial applications (small offices), or underground rooms and narrow spaces, in general.

Easy dismantling components for quick maintenance; integrated overflow switch to prevent flooding. With an external display to control the unit, chose working mode, adjust start and stop unit, and manage alarms. Accessories, and pressure switch are already assembled for a fast, simple, and clean installation.

Equipped with FEKA VS 1000 for high reliability.

Operating range

Liquid from 0°C to +40°C (+60°C for shorts periods).

Pumped liquid

Wastewater and domestic sewer discharges.

Capacity 70 litres

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										WEIGHT KG		
		POWER SUPPLY 50 Hz	P1 MAX		P2 NOMINAL		In A	Q=m³/h		0	3	6	9	12	12	18		24	30
			kW	kW	HP	Q=l/min		0	50	100	150	200	250	300	400	500			
DELS 70/1000 WMS	60215911C	1X220-240V~	1.75	1	1.36	8	H(m)	11.8	11.3	10.5	9.8	9	8	6.8	4.1			48	

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

FEKABOX

AUTOMATIC LIFTING STATIONS



Automatic collection and lifting stations, ideal for collecting and pumping sewage, domestic wastewater of various kinds, rainwater and seepage drains, garage or basement drains into the sewerage network.

FEKABOX 110

- Components included:
Complete pump installation kit.
Cable gland for single pump.
Connector 2" F x 1 x 1/4 M
- Inlets and outlets:
3xDN110, 2xDN50 inlets
Ventilation 1xDN50
Emergency emptying 1xDN40

FEKABOX 200

- Components included:
Lifting device 2"
- Single pump cable gland
- Inlets and outlets:
Inlets xDN110, 2xDN50
Ventilation 1xDN50
Outlet 2"

FEKABOX 200 FX

- Components included:
Lifting device 2" CAST IRON
Single pump cable gland
- Inlets and outlets:
Inlets xDN110, 2xDN50
Ventilation 1xDN50
Outlet 2"

Operating range

0°C to +50 °C for Fekabox 110;
0°C to +45 °C for Fekabox 200.

Possible installation types

Inside or outside the building.
Floor-mounted, buried or housed.

Capacity

110 litres for Fekabox 110;
200 litres for Fekabox 200.

Material LLDPE.

Pump type Automatic.



SELECTION
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ACCESSORIES
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MODEL	CODE	DIMENSIONS mm	WEIGHT KG	NUMBER OF PUMPS INSTALLABLE
FEKABOX 110	60211261	L(650) x W(400) x H(650)	10.3	1
FEKABOX 200	60162080	L(750) x W(600) x H(779)	23.2	1
FEKABOX 200 FX	60198414	L(750) x W(600) x H(779)	27	1

FEKAFOS

AUTOMATIC LIFTING STATIONS FOR ONE PUMP



Automatic collection and lifting stations, ideal for collecting and pumping sewage, domestic wastewater of various kinds, rainwater and seepage drains, garage or basement drains into the sewerage network

FEKAFOS 280

- Components included:
Lifting device 2".
4 cable glands per pump.
2 floats and alarm float holder
- Inlets and outlets:
Inlets DN110, DN50
Ventilation 1xDN50
Outlet 2"

FEKAFOS 280 DOUBLE

- Components included:
2 lifting devices 2".
6 cable glands per pump.
3 floats and alarm float holder
- Inlets and outlets:
Inlets DN110, DN50
Ventilation 1xDN50
Outlet 2"

FEKAFOS 550 DOUBLE

- Components included:
2 lifting devices 2".
6 cable glands per pump.
3 floats and alarm float holder
- Inlets and outlets:
Inlets 2xDN110
Ventilation 1xDN50
Outlet 2"

Liquid temperature range

0 °C to +45 °C.

Possible installation types

Inside or outside the building.
Floor-mounted, buried or housed.

Capacity

280 litres for FEKAFOS 280;
280 litres for FEKAFOS 280 DOUBLE;
550 litres for FEKAFOS 550.

Material

LLDPE.

Pump type Not automatic.



SELECTION
TABLE
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ACCESSORIES
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MODEL	CODE	DIMENSIONS mm	WEIGHT KG	NUMBER OF PUMPS INSTALLABLE
FEKAFOS 280	60162044	L(750) x W(600) x H(940)	40.5	1
FEKAFOS 280 DOUBLE	60163426	L(750) x W(600) x H(940)	53.7	2
FEKAFOS 550 DOUBLE	60166306	L(770) x W(1200) x H(945)	94	2

FEKAFOS MAXI

AUTOMATIC LIFTING STATION FOR TWO PUMPS



Automatic collection and lifting stations, ideal for collecting and pumping sewage, domestic wastewater of various kinds, rainwater and seepage drains, garage or basement drains into the sewerage network

FEKAFOS MAXI – DN50

- Components included:
2 lifting devices.
2 floats and alarm float holder
- Inlets and outlets:
Inlets 1xDN125
Ventilation 1xDN50
Outlet 2xDN50

FEKAFOS MAXI – DN65

- Components included:
2 vertical lifting devices.
3 floats and alarm float holder
- Inlets and outlets:
Inlets 1xDN160
Ventilation 1xDN50
Outlet 2xDN65

FEKAFOS MAXI – DN80

- Components included:
2 vertical lifting devices.
3 floats and alarm float holder
- Inlets and outlets:
Inlets 1xDN160
Ventilation 1xDN50
Outlet 2xDN80

Liquid temperature range

0 °C to +45 °C.

Possible installation types

Inside or outside the building.
Floor-mounted, buried or housed.

Capacity

FEKAFOS MAXI 1200: 1200 L;
FEKAFOS MAXI 1700: 1700 L;
FEKAFOS MAXI 2200: 2200 L;
FEKAFOS MAXI 3600: 3600 L;

Material LLDPE.

Pump type Not automatic

Capacity

GR 1200: Includes filtering grille
CV: includes valve chamber
CV + GR: Includes filtering grille and valve chamber

SELECTION
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PAGE 324

MODEL	STANDARD VERSION	GR VERSION	CV VERSION	GR + CV VERSION	DIMENSIONS mm	WEIGHT** KG
	CODE	CODE	CODE	CODE		
FEKAFOS MAXI 1200 – DN50	60185601	60190475	60190464	60190415	L(1250) x W(1250) x H(1420)	140
FEKAFOS MAXI 1700 – DN50	60185602	60190476	60190465	60190451	L(1250) x W(1250) x H(1870)	165
FEKAFOS MAXI 2200 – DN50	60185603	60190477	60190466	60190452	L(1250) x W(1250) x H(2320)	190
FEKAFOS MAXI 3600 – DN50	60185604	60190478	60190413	60190453	L(1250) x W(1250) x H(3670)	285
FEKAFOS MAXI 1200 – DN65	60184840	60190479	60190468	60190454	L(1250) x W(1250) x H(1420)	170
FEKAFOS MAXI 1700 – DN65	60185605	60190480	60190469	60190455	L(1250) x W(1250) x H(1870)	195
FEKAFOS MAXI 2200 – DN65	60184841	60190481	60190470	60190456	L(1250) x W(1250) x H(2320)	220
FEKAFOS MAXI 3600 – DN65	60184842	60190482	60190471	60190457	L(1250) x W(1250) x H(3670)	315
FEKAFOS MAXI 1200 – DN80	60184843	60190483	60190472	60190458	L(1250) x W(1250) x H(1420)	183
FEKAFOS MAXI 1700 – DN80	60185606	60190484	60190473	60190460	L(1250) x W(1250) x H(1870)	208
FEKAFOS MAXI 2200 – DN80	60184844	60190485	60190474	60190461	L(1250) x W(1250) x H(2320)	233
FEKAFOS MAXI 3600 – DN80	60184845	60190486	60190414	60190462	L(1250) x W(1250) x H(3670)	328

** Consider 15 kg more in the version with grilles

GROUPING: AP

ACCESSORIES

	DESCRIPTION	CODE	SUPPLY
	DRIVE-OVER FRAME D400 1200X1200	60190463	To be installed on site in a suitably created reinforced concrete structure at street level. - Steel frame for anchoring on reinforced concrete slab. - Round cast iron drive-over manhole cover D400 1200x1200 - Elevation and protection column.

Only suitable for valve chamber versions (CV)

NOVAIR

SUBMERSIBLE AERATOR



Submersible aerator designed for aerating sewage in small sewage treatment plants. It can also be used to oxygenate garden ponds and fishponds. Thanks to its design, the Novair ensures optimal oxygenation of treatment plants by creating a large, dense cloud of fine bubbles. The fluid-dynamic study focused mainly on the impeller's vane profiles so that it would not damage the microorganisms in the liquid at start-up. Due to its installation in a vertical position, the aerator body is fitted with a base. From a technical point of view, motor cooling 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 power cable wiring has been improved to make maintenance and cable replacement as easy as possible. The steel motor shaft with ceramic bushing in the seal ring area ensures high wear resistance and extended product life. Technopolymer pump body, wiring cover and impeller. Complete with seal and 90° elbow with union for vertical inlet.

Pumped liquid Sewage from septic tanks without solids and fibres, and clear water.

Liquid temperature range 0°C to 35°C for domestic use as per EN 60335-2-41.

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														MAX air flow m ³ /h	Depth		DNM GAS	CABLE	WEIGHT kg	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX KW	P2 NOMINAL		In A	Q _{air} m ³ /h L/min	1	2	3	4	6	8	10	12	14	17.5	MAX cm	MIN cm								
				kW	HP			16.6	33.3	50	66.6	100	133.3	166.6	200	233.3	291.6										
NOVAIR 200 M-NA	60168124H	1X220-240V~	0.28	0.18	0.24	1.4	Depth (cm)	80	60	45	30	20	-	-	-	-	-	8	80	20	1"	2m	3.5	32			
NOVAIR 200 M-NA	60169563H	1X220-240V~	0.28	0.18	0.24	1.4		80	60	45	30	20	-	-	-	-	-	8	80	20	1"	5m	3.5	32			
NOVAIR 200 M-NA	60172219H	1X220-240V~	0.28	0.18	0.24	1.4		80	60	45	30	20	-	-	-	-	-	8	80	20	1"	10m	3.5	32			
NOVAIR 600 M-NA	60171450H	1X220-240V~	0.63	0.40	0.54	3		90	85	75	65	57	50	42.5	34	27	20	17.5	90	20	1 1/4"	2m	5.4	32			
NOVAIR 600 M-NA	60170247H	1X220-240V~	0.63	0.40	0.54	3		90	85	75	65	57	50	42.5	34	27	20	17.5	90	20	1 1/4"	5m	5.4	32			
NOVAIR 600 M-NA	60170078H	1X220-240V~	0.63	0.40	0.54	3		90	85	75	65	57	50	42.5	34	27	20	17.5	90	20	1 1/4"	10m	5.4	32			

NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANELS



ngpanel

Electrical control panel for the protection and automatic operation of one or two submersible pumps, both single-phase and three-phase, in residential, commercial and livestock installations.

Thanks to the possibility of current adjustment, the panel is compatible with all pump models supplied with current between 1 and 29 A as shown in the product compatibility table.

A wizard on the display or other connected devices enables pump start-up in just a few steps.

All configuration, control and alarm display is also done directly on a smartphone via the app, or on a web portal from a PC, via H₂D App and web portal platform digital services.

Built-in Bluetooth and Wi-Fi connectivity. Modbus support.

In the absence of a Wi-Fi connection, a USB Wi-Fi modem can be used, powering it directly from the dedicated USB port inside the panel.

Single-phase power supply 1 x 230 V

Three-phase power supply
3 x 400 V 50 Hz

Protection degree IP55

Maximum ambient temperature
-10 °C + 50 °C

Starting capacitor
supplied as accessory KIT

Communication protocols
RS485 MODBUS RTU

Built-in connectivity
WIFI - BLUETOOTH



REMOTE MONITORING
Via web portal and
H₂D App



H2D
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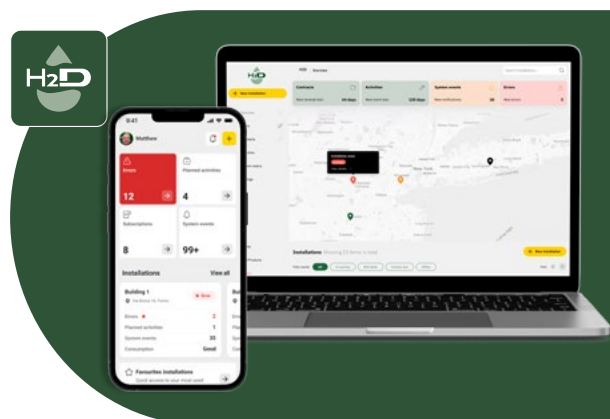
ACCESSORIES
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MODEL	CODE	POWER SUPPLY 50/60 Hz	START-UP	MAXIMUM CURRENT SINGLE PUMP A
NGPANEL 1 PUMP 29 A	60212822	1 x 230V 3 x 400V	DIRECT	29 12
NGPANEL 2 PUMPS 20 A	60212821	1 x 230V 3 x 400V	DIRECT	20 12
NGPANEL 2 PUMPS 12 A	60211088	1 x 230V 3 x 400V	DIRECT	12 12

DAB SMART SYSTEM

NgPanel used in conjunction with **DAB Virtual Cockpit** and **H₂D**, 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.



H₂D allows you to access the integrated experience of DAB smart systems, giving you the ability to connect your devices and use many of the main digital functionalities for free.



NGPANEL

ELECTRONIC PROTECTION AND CONTROL PANELS



EMPTYING / FILLING FUNCTION

Ideal for controlling fill/empty pumping stations for the drainage of both rainwater and sewage.

- Operation with bulb or standard floats, max 5 (2/3 operation, 2 alarm)
- Operation with depth sensor (0-10V / 4...20mA)
- Pumps starting order changed at every start-up, every 24 h or at preset intervals

GROUPING: AP

ACCESSORIES

	DESCRIPTION	CODE
	FLOAT - 5 METRES	159260030
	FLOAT - 10 METRES	159260040
	FLOAT - 15 METRES	159260050
	FLOAT - 20 METRES	159260070
	BULB-FLOAT - 10 METRES	002718000
	BULB-FLOAT - 20 METRES	002718001
	PRESSURE TRANSDUCER 0-5 M - 20 M. EBOX CABLE	60114675

	DESCRIPTION	CODE
	ORANGE FLASHING LIGHT 230V With 5W incandescent bulb.	60169271
	AUDIBLE ALARM - 230 V - 50 HZ	002789002
	AUDIBLE ALARM - 24 V - 50 HZ	002789000

EBOX

ELECTRONIC PROTECTION AND CONTROL PANELS



ebox

EBox Plus is an electronic control panel for the protection and automatic operation of one or two submersible or pressurization electric pumps, both single-phase and three-phase, in domestic, civil and industrial installations.

Thanks to the possibility of current adjustment, the **EBox** panel is compatible with all pump models supplied with current between 1 and 12 A and power up to 5.5 kW as shown in the product compatibility table.

EBox Basic is an electronic control panel for the protection and automatic operation of one or two submersible single-phase electric pumps for domestic installations.

The **EBox** panel is compatible with all pump models with current between 1 and 12 A and power up to 2.2 kW as shown in the product compatibility table.

Nominal supply voltage

EBox Plus 1x 230 V / 3 x 230 V - 3 x 400 V (automatic selection).

EBox Basic 1x 230 V.

Frequency 50 - 60 Hz.

Maximum operating power

EBox Plus 5.5 kWatt +5.5 kWatt.

EBox Basic 2.2 kWatt +2.2 kWatt.

Maximum operating current 12 A +12 A.

Starting capacitor supplied as accessory KIT.

Maximum ambient temperature

+ 40°C.

Protection degree IP55.



ONLINE
TRAINING

ACCESSORIES
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MODEL	CODE	POWER SUPPLY 50HZ	START-UP	MAXIMUM CURRENT SINGLE PUMP A
EBOX BASIC 230/50-60	60163214	1X230V	DIRECT	12+12
EBOX PLUS 230-400V/50-60	60163215	1X230V 3X230V 3X400V	DIRECT	12+12

GROUPING: AP

ACCESSORIES

	DESCRIPTION	CODE		DESCRIPTION	CODE
	FLOAT - 5 METRES	159260030		CAPACITOR KIT 40UF (EBOX)	60169268
	FLOAT - 10 METRES	159260040		CAPACITOR KIT 30UF (EBOX)	60169269
	FLOAT - 15 METRES	159260050		CAPACITOR KIT 20UF (EBOX)	60169270
	FLOAT - 20 METRES	159260070			
	BULB-FLOAT - 10 METRES	002718000		ORANGE FLASHING LIGHT 230V	60169271
	BULB-FLOAT - 20 METRES	002718001		With 5W incandescent bulb.	

SAFE ALERT

CONTROL UNIT



Alarm and signalling device to be associated with automatic drainage and wastewater pumps, for use in residential drainage systems. Equipped with a buzzer and provision for connection of an overflow float, which can be purchased as an accessory. Maintenance-free. Fitted with lights indicating the operating and alarm status and a mute button. Equipped with a dry contact for alarm remote monitoring.

Single-phase power supply

230 V 50 Hz / 60 Hz

Protection degree IP 65**Operating temperature** 50 °C
ACCESSORIES
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MODEL	CODE	POWER SUPPLY 50 Hz
SAFEALERT	60220236	1X230V

GROUPING: AP

ACCESSORIES

	DESCRIPTION	CODE
	FLOAT - 5 METRES	159260030
	FLOAT - 10 METRES	159260040

ED - E2D - E3D

ELECTROMECHANICAL PROTECTION AND CONTROL PANELS



Supplied on a self-extinguishing thermoplastic box with brackets for wall mounting. The panel is self-protected and protects the electric pump from overloads, short circuits and manual reset. Can handle an overheat protection signal if the pump is equipped with one.

Three-phase power supply

50 Hz, 400 V

Protection degree IP55

Maximum ambient temperature 40 °C

Complete with:

- Power line disconnect device with padlockable locking handle
- Self-protected transformer for external control power supply
- Terminals for connecting the electric pump and control floats/pressure switches
- Potential-free terminals for alarm control and remote installation of an audible/visual alarm
- Front panel selector switch for Manual 0 Automatic operation
- Amperometric protection signals
- Pump running signal
- Live voltage signal

SELECTION
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ED

MODEL	CODE	POWER SUPPLY 50 Hz	START-UP	MAX CURRENT	MAX NUMBER OF PUMPS
ED8T	60170055	3X400 V	DIRECT	14A	1
ED7,5TSD	108320840	3X400 V	START/DELTA	14A	1
ED11TSD	60202686	3X400 V	START/DELTA	18A	1
ED15TSD	60170075	3X400 V	START/DELTA	23A	1
E2D15T	60170046	3X400 V	DIRECT	14A	2
E2D15TSD	60170047	3X400 V	START/DELTA	14A	2
E2D22TSD	60202365	3X400 V	START/DELTA	18A	2
E2D30TSD	60170065	3X400 V	START/DELTA	23A	2
E3D22,5T	60170070	3X400 V	DIRECT	14A	3
E3D22,5TSD	60170051	3X400 V	START/DELTA	14A	3
E3D33T SD	60202687	3X400 V	START/DELTA	18A	3
E3D45T SD	60170072	3X400 V	START/DELTA	23A	3

GROUPING: AP

ACCESSORIES

	OIL CHAMBER WATER DETECTION MODULE	60172920
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SELECTION TABLES

PUMPS SELECTION TABLE - PANELS (NOVA - FEKA - DRENAG - FEKA VS)

	PUMP MODEL	POWER SUPPLY		E.BOX BASIC	E.BOX PLUS	NGPANEL	
			CODE	60163214	60163215	60212822	60211088
			NUMBER OF PUMPS	2	2	1	2
NOVA RANGE	NOVA 180 40TH	1x230 V, 50 Hz		•	•	•	•
	NOVA 200 40TH	1x230 V, 50 Hz		•	•	•	•
	NOVA 600 40TH	1x230 V, 50 Hz		•	•	•	•
	NOVA UP 300	1x230 V, 50 Hz		•	•	•	•
	NOVA UP 600	1x230 V, 50 Hz		•	•	•	•
	NOVA 600 40TH	3x400 V, 50 Hz			•	•	•
FEKA RANGE	FEKA 300 40TH	1x230 V, 50 Hz		•	•	•	•
	FEKA 600 40TH	1x230 V, 50 Hz		•	•	•	•
	FEKA 600 40TH	3x400 V, 50 Hz			•	•	•
DRENAG RANGE	DRENAG 1000	1x230 V, 50 Hz		•	•	•	•
	DRENAG 1200	1x230 V, 50 Hz		•	•	•	•
	DRENAG 1000	3x400 V, 50 Hz			•	•	•
	DRENAG 1200	3x400 V, 50 Hz			•	•	•
FEKA VS RANGE	FEKA VS 550	1x230 V, 50 Hz		•	•	•	•
	FEKA VS 750	1x230 V, 50 Hz		•	•	•	•
	FEKA VS 900	1x230 V, 50 Hz		•	•	•	•
	FEKA VS 1100	1x230 V, 50 Hz		•	•	•	•
	FEKA VS GRINDER 1000	1x230 V, 50 Hz		•	•	•	•
	FEKA VS 550	3x400 V, 50 Hz			•	•	•
	FEKA VS 750	3x400 V, 50 Hz			•	•	•
	FEKA VS 900	3x400 V, 50 Hz			•	•	•
	FEKA VS 1100	3x400 V, 50 Hz			•	•	•
	FEKA VS GRINDER 1000	3x400 V, 50 Hz			•	•	•

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SELECTION TABLES

PUMPS SELECTION TABLE - PANELS (FEKA VS - FX - FK)

	PUMP MODEL	POWER SUPPLY		E.BOX BASIC	E.BOX PLUS	NGPANEL		
			CODE	60163214	60163215	60212822	60211088	60212821
			NUMBER OF PUMPS CONTROLLABLE	2	2	1	2	2
FEKA VS RANGE	FEKA VS 550	1x230 V, 50 Hz		•	•	•	•	•
	FEKA VS 750	1x230 V, 50 Hz		•	•	•	•	•
	FEKA VS 900	1x230 V, 50 Hz		•	•	•	•	•
	FEKA VS 1100	1x230 V, 50 Hz		•	•	•	•	•
	FEKA VS GRINDER 1000	1x230 V, 50 Hz		•	•	•	•	•
	FEKA VS 550	3x400 V, 50 Hz			•	•	•	•
	FEKA VS 750	3x400 V, 50 Hz			•	•	•	•
	FEKA VS 900	3x400 V, 50 Hz			•	•	•	•
	FEKA VS 1100	3x400 V, 50 Hz			•	•	•	•
	FEKA VS GRINDER 1000	3x400 V, 50 Hz			•	•	•	•
FX RANGE	GRINDER FX 15.07	1x230 V, 50 Hz		•	•	•	•	•
	GRINDER FX 15.11	1x230 V, 50 Hz		•	•	•	•	•
	GRINDER FX 15.15	1x230 V, 50 Hz		•	•	•	•	•
	DRENAG FX 15.07	1x230 V, 50 Hz		•	•	•	•	•
	DRENAG FX 15.11	1x230 V, 50 Hz		•	•	•	•	•
	DRENAG FX 15.15	1x230 V, 50 Hz		•	•	•	•	•
	FXV 20.07	1x230 V, 50 Hz		•	•	•	•	•
	FXV 20.11	1x230 V, 50 Hz		•	•	•	•	•
	FXV 20.15	1x230 V, 50 Hz		•	•	•	•	•
	FXC 20.15	1x230 V, 50 Hz		•	•	•	•	•
	FXV 25.15	1x230 V, 50 Hz		•	•	•	•	•
	FXC 25.15	1x230 V, 50 Hz		•	•	•	•	•
	GRINDER FX 15.07	3x400 V, 50 Hz			•	•	•	•
	GRINDER FX 15.11	3x400 V, 50 Hz			•	•	•	•
	GRINDER FX 15.15	3x400 V, 50 Hz			•	•	•	•
	GRINDER FX 15.22	3x400 V, 50 Hz			•	•	•	•
	DRENAG FX 15.07	3x400 V, 50 Hz			•	•	•	•
	DRENAG FX 15.11	3x400 V, 50 Hz			•	•	•	•
	DRENAG FX 15.15	3x400 V, 50 Hz			•	•	•	•
	DRENAG FX 15.22	3x400 V, 50 Hz			•	•	•	•
	FXV 20.07	3x400 V, 50 Hz			•	•	•	•
	FXV 20.11	3x400 V, 50 Hz			•	•	•	•
	FXV 20.15	3x400 V, 50 Hz			•	•	•	•
	FXV 20.22	3x400 V, 50 Hz			•	•	•	•
	FXC 20.15	3x400 V, 50 Hz			•	•	•	•
	FXC 20.22	3x400 V, 50 Hz			•	•	•	•
	FXV 25.15	3x400 V, 50 Hz			•	•	•	•
	FXV 25.22	3x400 V, 50 Hz			•	•	•	•
	FXV 25.30	3x400 V, 50 Hz			•	•	•	•
	FXC 25.15	3x400 V, 50 Hz			•	•	•	•
	FXC 25.22	3x400 V, 50 Hz			•	•	•	•
	FXS 25.30	3x400 V, 50 Hz			•	•	•	•
	FXS 30.30	3x400 V, 50 Hz			•	•	•	•
	FK RANGE	FKV 100 40.4 T5	3x400V, 50 Hz DOL			•	•	•
FKC 100 40.4 T5		3x400V, 50 Hz DOL			•	•	•	•
FKC 150 40.4 T5		3x400V, 50 Hz DOL			•	•	•	•

SELECTION TABLES

PUMPS SELECTION TABLE - PANELS (FK)

PUMP MODEL	POWER SUPPLY	ED Y/D starter				Number of pumps controllable
		ED direct starting	108320840, ED7, 5T SD	60202686, ED11T SD	60170075, ED15T SD	
		60170055, ED8T	60170047, E2D15T SD	60202365, E2D22T SD	60170065, E2D30T SD	
		60170070, E3D22,5T	60170051, E3D 22,5T SD	60202687, E3D33T SD	60170072, E3D45T SD	
FKV 80 60.2 T5	3x400V, 50 Hz Y/D		•			
FKV 80 75.2 T5	3x400V, 50 Hz Y/D		•			
FKV 80 92.2 T5	3x400V, 50 Hz Y/D			•		
FKV 80 110.2 T5	3x400V, 50 Hz Y/D				•	
FKV 100 40.4 T5	3x400V, 50 Hz DOL	•				
FKV 100 55.4 T5	3x400V, 50 Hz Y/D		•			
FKV 100 75.4 T5	3x400V, 50 Hz Y/D			•		
FKC 80 55.4 T5	3x400V, 50 Hz Y/D		•			
FKC 80 75.4 T5	3x400V, 50 Hz Y/D			•		
FKC 100 40.4 T5	3x400V, 50 Hz DOL	•				
FKC 100 55.4 T5	3x400V, 50 Hz Y/D		•			
FKC 100 75.4 T5	3x400V, 50 Hz Y/D			•		
FKC 150 40.4 T5	3x400V, 50 Hz DOL	•				
FKC 150 55.4 T5	3x400V, 50 Hz Y/D		•			
FKC 150 75.4 T5	3x400V, 50 Hz Y/D			•		

PUMPS SELECTION TABLE - CISTERNS (FEKABOX)

	PUMP MODEL	FEKABOX 110	FEKABOX 200	FEKABOX 200 FX
NOVA / FEKA RANGE	NOVA 180 40TH	•		
	NOVA 300 40TH	•		
	NOVA 600 40TH	•		
	FEKA 300 40TH	•		
	FEKA 600 40TH	•		
FEKA VS RANGE	FEKA VS 550	•	•	
	FEKA VS 750	•	•	
	FEKA VS 900		•	
	FEKA VS 1100		•	
	FEKA VS GRINDER 1000			•
FX RANGE	GRINDER FX 15.07			•
	GRINDER FX 15.11			•
	GRINDER FX 15.15			•
	DRENAG FX 15.07			•
	DRENAG FX 15.11			•
	DRENAG FX 15.15			•
	FXV 20.07			•
	FXV 20.11			•
	FXV 20.15			•
	FXC 20.15			•

Please note that FEKABOX cisterns require the use of automatic pumps
Pump models not shown in the table are not compatible

SELECTION TABLES

PUMPS SELECTION TABLE - CISTERNS (FEKAFOS)

	PUMP MODEL	FEKAFOS 280 2"	FEKAFOS 280 2" DOUBLE	FEKAFOS 550 DOUBLE
FEKA VS RANGE	FEKA VS 550	•	•	•
	FEKA VS 750	•	•	•
	FEKA VS 900	•	•	•
	FEKA VS 1100	•	•	•
	FEKA VS GRINDER 1000	•	•	•
FX RANGE	GRINDER FX 15.07	•	•	•
	GRINDER FX 15.11	•	•	•
	GRINDER FX 15.15	•	•	•
	GRINDER FX 15.22	•	•	•
	DRENAG FX 15.07	•	•	•
	DRENAG FX 15.11	•	•	•
	DRENAG FX 15.15	•	•	•
	DRENAG FX 15.22	•	•	•
	FXV 20.07	•	•	•
	FXV 20.11	•	•	•
	FXV 20.15	•	•	•
	FXV 20.22	•	•	•
	FXC 20.15	•	•	•
	FXC 20.22	•	•	•

Please note that FEKAFOS cisterns require the use of non-automatic pumps
Pump models not shown in the table are not compatible

SELECTION TABLES

PUMPS SELECTION TABLE - CISTERNS (FEKAFOS MAXI)







	PUMP MODEL	FEKAFOS MAXI DN50	FEKAFOS MAXI DN65	FEKAFOS MAXI DN80
		FEKAFOS 1200 MAXI - DN50 FEKAFOS 1700 MAXI - DN50 FEKAFOS 2200 MAXI - DN50 FEKAFOS 3600 MAXI - DN50	FEKAFOS 1200 MAXI - DN65 FEKAFOS 1700 MAXI - DN65 FEKAFOS 2200 MAXI - DN65 FEKAFOS 3600 MAXI - DN65	FEKAFOS 1200 MAXI - DN80 FEKAFOS 1700 MAXI - DN80 FEKAFOS 2200 MAXI - DN80 FEKAFOS 3600 MAXI - DN80
FEKA VS RANGE	FEKA VS 550	•		
	FEKA VS 750	•		
	FEKA VS 900	•		
	FEKA VS 1100	•		
	FEKA VS GRINDER 1000	The accessory 60196199 is required for compatibility		
FX RANGE	GRINDER FX 15.07	The accessory 60196199 is required for compatibility		
	GRINDER FX 15.11	The accessory 60196199 is required for compatibility		
	GRINDER FX 15.15	The accessory 60196199 is required for compatibility		
	GRINDER FX 15.22	The accessory 60196199 is required for compatibility		
	DRENAG FX 15.07	The accessory 60196199 is required for compatibility		
	DRENAG FX 15.11	The accessory 60196199 is required for compatibility		
	DRENAG FX 15.15	The accessory 60196199 is required for compatibility		
	DRENAG FX 15.22	The accessory 60196199 is required for compatibility		
	FXV 20.07	The accessory 60196199 is required for compatibility		
	FXV 20.11	The accessory 60196199 is required for compatibility		
	FXV 20.15	The accessory 60196199 is required for compatibility		
	FXV 20.22	The accessory 60196199 is required for compatibility		
	FXC 20.15	The accessory 60196199 is required for compatibility		
	FXC 20.22	The accessory 60196199 is required for compatibility		
	FXV 25.15		•	
	FXV 25.22		•	
	FXV 25.30		•	
	FXC 25.15		•	
	FXC 25.22		•	
	FXS 25.30		•	
FXS 30.30			•	
FK RANGE	FKV 80 60.2 T5			•
	FKV 80 75.2 T5			•
	FKV 80 92.2 T5			•
	FKV 80 110.2 T5			•
	FKC 80 55.4 T5			Contact the Dproject team for compatibility
	FKC 80 75.4 T5			Contact the Dproject team for compatibility

Please note that FEKAFOS MAXI cisterns require the use of non-automatic pumps
Pump models not shown in the table are not compatible


ACCESSORIES

DRAINAGE AND SEWAGE

INSTALLATION ACCESSORIES

	DESCRIPTION	CODE	Standalone installation	Installation with lifting device
	LIFTING DEVICE FOR THREADED PUMPS 2" GAS - HORIZONTAL	109530080		•
	LIFTING DEVICE FOR FLANGED PUMPS DN50 - HORIZONTAL	60195865		•
	LIFTING DEVICE FOR FLANGED PUMPS DN65 - HORIZONTAL	60170310		•
	LIFTING DEVICE FOR FLANGED PUMPS DN80 - HORIZONTAL	60220454		•
	LIFTING DEVICE FOR FLANGED PUMPS DN65 - VERTICAL	60167993		•
	LIFTING DEVICE FOR FLANGED PUMPS DN80 - VERTICAL	60167994		•
	LIFTING DEVICE FOR FLANGED PUMPS DN100 - VERTICAL	60169609		•
	LIFTING DEVICE FOR FLANGED PUMPS DN150 - VERTICAL	60169610		•
	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 150KG	60171183	•	•
	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 350 KG	60178908	•	•
	CHAIN KIT WITH SHACKLE IN STAINLESS STEEL 3M - 700 KG	60171189	•	•
	FX ADAPTER - GRINDER BASE ELBOW - FEKA DN32 DN40 DN 50	60196199		•
	FX ADAPTER – COUPLING DEVICE FLYGT DN 50	60196203		•
	ADAPTER COUPLING DEVICE FLYGT DN 65	60169712		•
	ADAPTER COUPLING DEVICE FLYGT DN 80	60169713		•
	ADAPTER COUPLING DEVICE FLYGT DN 100	60169715		•
	ADAPTER COUPLING DEVICE FLYGT DN 150	60169717		•
	SUPPORT BASE FOR FK - D325	60170329	•	
	SUPPORT BASE Ø330 FK	60170330	•	
	SUPPORT BASE Ø355 FK	60170331	•	
	SUPPORT BASE Ø400 FK	60184584	•	
	90° ELBOW KIT - DN32/DN40 - 1 1/2"	60195857	•	
	90° ELBOW KIT - DN50 - 2"	60195856	•	
	90° ELBOW KIT - DN65 - 2 1/2"	60211555	•	
	90° ELBOW KIT - DN65 - 3"	60203622	•	

INSTALLATION KIT

	DESCRIPTION	CODE
	REFLOW PREVENTION KIT - DELIVERY 1 1/4"	60220271
	REFLOW PREVENTION KIT - DELIVERY 2"	538860000

HYDRAULIC ACCESSORIES

	DESCRIPTION	CODE
	NON-RETURN BALL VALVE PN10 PVC 1 1/4" THREADED	002130285
	NON-RETURN BALL VALVE PN10 PVC 1 1/2" THREADED	002130286
	NON-RETURN BALL VALVE PN10 PVC 2" THREADED	002130287
	NON-RETURN BALL VALVE 1 1/2" THREADED	60160626
	NON-RETURN BALL VALVE 2" THREADED	60160627
	NON-RETURN BALL VALVE 2 1/2" THREADED	60160628
	NON-RETURN BALL VALVE DN 50	60160629
	NON-RETURN BALL VALVE DN 65	60160630
	NON-RETURN BALL VALVE DN 80	60160631
	NON-RETURN BALL VALVE DN 100	60160632
	GATE VALVE FLAT BODY DN 50	60163811
	GATE VALVE FLAT BODY DN 65	60163812
	GATE VALVE FLAT BODY DN 80	60163813
	GATE VALVE FLAT BODY DN 100	60163814

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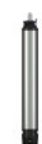
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PULSAR

5" SUBMERSIBLE END SUCTION MULTISTAGE ELECTRIC PUMPS



DAB SERVICES

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BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



5" Submersible multi-impeller end suction pump designed for pressurization, gardening and irrigation, and groundwater in domestic and residential installations.

Designed to be submerged in pits and first storage tanks, cisterns or reservoirs.

Suction is through a filter at the bottom of the pump.

The motor is located above the hydraulics and is cooled by the pumped liquid.

Robust components allow the pump to run dry for brief periods.

Technopolymer impellers and diffusers.

Double mechanical seal in carbon ceramic on the motor side and silicon carbide/silicon carbide on the pump side with an oil chamber in between.

Power cable, thermo-amprometric protection and starting capacitor included in the single-phase version, also available in a capacitor-free version to which a control panel supplied as an accessory must be combined.

In the three-phase version, protection is the responsibility of the user.

Operating range 0.9 To 7.2 m³/h with head up to 88 metres.

Maximum immersion depth 20 m.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral

Maximum quantity of sand 50 g/m³

Liquid temperature 0°C to +40°C

Flanging or threading 1 1/4" GAS

Maximum pump diameter 138 mm

Impeller construction material
Technopolymer

Maximum number of starts per hour 20/h

Pump protection degree IP68

Thermal classification of motor insulation
F

Single-phase power supply 230 V 50 Hz

Three-phase power supply 3x230 V 50 Hz / 3x400 V 50 Hz

Power cable 15 m H07RN-F

Type of installation possible Fixed or portable, vertical and horizontal

Special versions available on request
Different voltages and frequencies, different cable lengths, different plugs

Certifications CB



MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA								DNM GAS	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 kW	P2		In A	Q m ³ /h l/min	H (m)									
				kW	HP			0	1.2	2.4	3.6	4.8	6	7.2			
PULSAR 30/50 M-A	60210489	1x230V~	1	0.65	0.87	4.5	44	42	37	29	18	-	-	1 1/4" G	17.3		
PULSAR 30/50 M-NA	60210490	1x230V~	1	0.65	0.87	4.5	44	42	37	29	18	-	-	1 1/4" G	16.7		
PULSAR 30/50 T-NA	60210491	3x230V~	1	0.64	0.86	3.4	44	42	37	29	18	-	-	1 1/4" G	17.3		
PULSAR 30/50 T-NA	60210492	3x400V~	1	0.64	0.86	2	44	42	37	29	18	-	-	1 1/4" G	17.3		
PULSAR 40/50 M-A	60210493	1x230V~	1.2	0.77	1	5.4	57	53	48	36	22	-	-	1 1/4" G	17.5		
PULSAR 40/50 M-NA	60210494	1x230V~	1.2	0.77	1	5.4	57	53	48	36	22	-	-	1 1/4" G	17		
PULSAR 40/50 T-NA	60210495	3x230V~	1.2	0.79	1.1	3.9	57	53	48	36	22	-	-	1 1/4" G	17.5		
PULSAR 40/50 T-NA	60210496	3x400V~	1.2	0.79	1.1	2.2	57	53	48	36	22	-	-	1 1/4" G	17.5		
PULSAR 50/50 M-A	60210497	1x230V~	1.6	1.13	1.5	7.35	72	68	60	46.5	31	-	-	1 1/4" G	18.5		
PULSAR 50/50 M-NA	60210498	1x230V~	1.6	1.13	1.5	7.35	72	68	60	46.5	31	-	-	1 1/4" G	18		
PULSAR 50/50 T-NA	60210499	3x230V~	1.5	1.12	1.5	4.85	72	68	60	46.5	31	-	-	1 1/4" G	18.5		
PULSAR 50/50 T-NA	60210500	3x400V~	1.5	1.12	1.5	2.8	72	68	60	46.5	31	-	-	1 1/4" G	18.5		
PULSAR 65/50 M-A	60210501	1x230V~	1.9	1.3	1.7	8.3	88	83	74	60	38.5	-	-	1 1/4" G	19.5		
PULSAR 65/50 M-NA	60210502	1x230V~	1.9	1.3	1.7	8.3	88	83	74	60	38.5	-	-	1 1/4" G	19		
PULSAR 65/50 T-NA	60210503	3x230V~	1.8	1.3	1.7	6.1	88	83	74	60	38.5	-	-	1 1/4" G	19.5		
PULSAR 65/50 T-NA	60210504	3x400V~	1.8	1.3	1.7	3.5	88	83	74	60	38.5	-	-	1 1/4" G	19.5		
PULSAR 30/80 M-A	60210505	1x230V~	1.2	0.78	1.1	5.5	49	46	43	37	31	22.5	12	1 1/4" G	17.5		
PULSAR 30/80 M-NA	60210506	1x230V~	1.2	0.78	1.1	5.5	49	46	43	37	31	22.5	12	1 1/4" G	17		
PULSAR 30/80 T-NA	60210507	3x230V~	1.2	0.78	1.1	4	49	46	43	37	31	22.5	12	1 1/4" G	17.5		
PULSAR 30/80 T-NA	60210508	3x400V~	1.2	0.78	1.1	2.3	49	46	43	37	31	22.5	12	1 1/4" G	17.5		
PULSAR 40/80 M-A	60210509	1x230V~	1.6	1.1	1.5	7.4	64	60	56	48	41	31	18	1 1/4"	18.5		
PULSAR 40/80 M-NA	60210510	1x230V~	1.6	1.1	1.5	7.4	64	60	56	48	41	31	18	1 1/4"	18		
PULSAR 40/80 T-NA	60210511	3x230V~	1.5	1.1	1.5	4.85	64	60	56	48	41	31	18	1 1/4"	18.5		
PULSAR 40/80 T-NA	60210512	3x400V~	1.5	1.1	1.5	2.8	64	60	56	48	41	31	18	1 1/4"	18.5		
PULSAR 50/80 M-A	60210513	1x230V~	1.9	1.3	1.7	8.3	75	71	66	60	50	37	20	1 1/4"	19.5		
PULSAR 50/80 M-NA	60210514	1x230V~	1.9	1.3	1.7	8.3	75	71	66	60	50	37	20	1 1/4"	19		
PULSAR 50/80 T-NA	60210515	3x230V~	1.8	1.3	1.7	5.9	75	71	66	60	50	37	20	1 1/4"	19.5		
PULSAR 50/80 T-NA	60210516	3x400V~	1.8	1.3	1.7	3.4	75	71	66	60	50	37	20	1 1/4"	19.5		

A = Automatic with float

NA = Non-automatic without float

PULSAR CB

5" SUBMERSIBLE END SUCTION MULTISTAGE ELECTRIC PUMPS



MODEL	CODE	ELECTRICAL DATA					In A	Q m ³ /h l/min	HYDRAULIC DATA								DNM GAS	WEIGHT KG
		POWER SUPPLY 50 Hz	P1 kW	P2		H m			0	1.2	2.4	3.6	4.8	6	7.2			
				kW	HP		0	20	40	60	80	100	120					
PULSAR CB 30/50 M-A	60210517	1x230V~	1	0.65	0.87	4.5	H(m)	44	42	37	29	18	-	-	1¼"G	17.3		
PULSAR CB 30/50 M-NA	60210518	1x230V~	1	0.65	0.87	4.5		44	42	37	29	18	-	-	1¼"G	16.7		
PULSAR CB 40/50 M-A	60210519	1x230V~	1.2	0.77	1	5.4		57	53	48	36	22	-	-	1¼"G	17.5		
PULSAR CB 40/50 M-NA	60210520	1x230V~	1.2	0.77	1	5.4		57	53	48	36	22	-	-	1¼"G	17		
PULSAR CB 50/50 M-A	60210521	1x230V~	1.6	1.13	1.5	7.35		72	68	60	46.5	31	-	-	1¼"G	18.5		
PULSAR CB 50/50 M-NA	60210522	1x230V~	1.6	1.13	1.5	7.35		72	68	60	46.5	31	-	-	1¼"G	18		
PULSAR CB 65/50 M-A	60210523	1x230V~	1.9	1.3	1.7	8.3		88	83	74	60	38.5	-	-	1¼"G	19.5		
PULSAR CB 65/50 M-NA	60210524	1x230V~	1.9	1.3	1.7	8.3		88	83	74	60	38.5	-	-	1¼"G	19		
PULSAR CB 30/80 M-A	60210525	1x230V~	1.2	0.78	1.1	5.5		49	46	43	37	31	22.5	12	1¼"G	17.5		
PULSAR CB 30/80 M-NA	60210526	1x230V~	1.2	0.78	1.1	5.5		49	46	43	37	31	22.5	12	1¼"G	17		
PULSAR CB 40/80 M-A	60210527	1x230V~	1.6	1.1	1.5	7.4		64	60	56	48	41	31	18	1¼"	18.5		
PULSAR CB 40/80 M-NA	60210528	1x230V~	1.6	1.1	1.5	7.4		64	60	56	48	41	31	18	1¼"	18		
PULSAR CB 50/80 M-A	60210529	1x230V~	1.9	1.3	1.7	8.3		75	71	66	60	50	37	20	1¼"	19.5		
PULSAR CB 50/80 M-NA	60210530	1x230V~	1.9	1.3	1.7	8.3		75	71	66	60	50	37	20	1¼"	19		

A = Automatic with float

NA = Non-automatic without float

CONTROL BOX PULSAR

Electrical control panel for operating Pulsar CB single-phase submersible electric pumps, includes 1.5 m cable. Wall-mounting box made of self-extinguishing thermoplastic material, containing manual reset thermal protection, capacitor and terminal board for electrical connections and possible pressure switch/float connection.

	SINGLE-PHASE PANEL MODEL	CODE	PUMP MODEL COUPLING	MOTOR POWER kW	AMPER. PROTECTION 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 END SUCTION MULTISTAGE ELECTRIC PUMPS



5-inch multi-impeller end suction pump for use also on the surface. Suction is through a watertight connector at the bottom of the pump.

Designed for pressurization, gardening and irrigation in domestic and residential installations.

Can draw water from first storage tanks, cisterns or reservoirs.

Also suitable for booster sets that can be installed in rooms without ventilation or subject to flooding.

The motor is located above the hydraulics and is cooled by the pumped liquid.

Robust components allow the pump to run dry for brief periods. Technopolymer impellers and diffusers.

Double mechanical seal in carbon ceramic on the motor side and silicon carbide/silicon carbide on the pump side with an oil chamber in between.

The standard single-phase version includes a 15-metre power cable with plug, thermo-ampereometric protection and starting capacitor, also available in a capacitor-free version to which a control panel supplied as an accessory must be attached.

In the three-phase version, protection is the responsibility of the user.

Operating range 0.9 To 7.2 m³/h with head up to 88 metres.

Maximum immersion depth 20 m.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum quantity of sand 50 g/m³

Liquid temperature +0 °C to +40 °C

Flanging or threading 1 1/4" GAS

Maximum pump diameter 138 mm

Impeller construction material Technopolymer

Maximum number of starts per hour 20/h

Pump protection degree IP68

Thermal classification of motor insulation F

Single-phase power supply 230 V 50 Hz

Three-phase power supply 3x230 V 50 Hz / 3x400 V 50 Hz.

Power cable 15 m H07RN-F

Type of installation possible Fixed or portable in a vertical position.

Special versions available on request Different voltages and frequencies, different cable lengths, different plugs.



MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA								DNM GAS	DNA GAS	WEIGHT KG	
		POWER SUPPLY 50 Hz	P1 kW	P2		In A	Q m ³ /h l/min	H(m)										
				kW	HP			0	1.2	2.4	3.6	4.8	6	7.2				
PULSAR DRY 30/50 M-NA	60210531	1x230V~	1	0.65	0.87	4.5	44	42	37	29	18	-	-	1 1/4"	1 1/4"	16.7		
PULSAR DRY 30/50 T-NA	60210532	3x230V~	1	0.64	0.86	3.4	44	42	37	29	18	-	-	1 1/4"	1 1/4"	17.3		
PULSAR DRY 30/50 T-NA	60210533	3x400V~	1	0.64	0.86	2	44	42	37	29	18	-	-	1 1/4"	1 1/4"	17.3		
PULSAR DRY 40/50 M-NA	60210534	1x230V~	1.2	0.77	1	5.4	57	53	48	36	22	-	-	1 1/4"	1 1/4"	17.3		
PULSAR DRY 40/50 T-NA	60210535	3x230V~	1.2	0.79	1.1	3.9	57	53	48	36	22	-	-	1 1/4"	1 1/4"	17		
PULSAR DRY 40/50 T-NA	60210536	3x400V~	1.2	0.79	1.1	2.2	57	53	48	36	22	-	-	1 1/4"	1 1/4"	17		
PULSAR DRY 50/50 M-NA	60210537	1x230V~	1.6	1.13	1.5	7.35	72	68	60	46.5	31	-	-	1 1/4"	1 1/4"	18		
PULSAR DRY 50/50 T-NA	60210538	3x230V~	1.5	1.12	1.5	4.85	72	68	60	46.5	31	-	-	1 1/4"	1 1/4"	18.5		
PULSAR DRY 50/50 T-NA	60210539	3x400V~	1.5	1.12	1.5	2.8	72	68	60	46.5	31	-	-	1 1/4"	1 1/4"	18.5		
PULSAR DRY 65/50 M-NA	60210540	1x230V~	1.9	1.3	1.7	8.3	88	83	74	60	38.5	-	-	1 1/4"	1 1/4"	19		
PULSAR DRY 65/50 T-NA	60210541	3x230V~	1.8	1.3	1.7	6.1	88	83	74	60	38.5	-	-	1 1/4"	1 1/4"	19.5		
PULSAR DRY 65/50 T-NA	60210542	3x400V~	1.8	1.3	1.7	3.5	88	83	74	60	38.5	-	-	1 1/4"	1 1/4"	19.5		
PULSAR DRY 30/80 M-NA	60210543	1x230V~	1.2	0.78	1.05	5.5	49	46	43	37	31	22.5	12	1 1/4"	1 1/4"	17		
PULSAR DRY 30/80 T-NA	60210544	3x230V~	1.2	0.78	1.1	4	49	46	43	37	31	22.5	12	1 1/4"	1 1/4"	17.5		
PULSAR DRY 30/80 T-NA	60210545	3x400V~	1.2	0.78	1.1	2.3	49	46	43	37	31	22.5	12	1 1/4"	1 1/4"	17.5		
PULSAR DRY 40/80 M-NA	60210546	1x230V~	1.6	1.1	1.5	7.4	64	60	56	48	41	31	18	1 1/4"	1 1/4"	18		
PULSAR DRY 40/80 T-NA	60210547	3x230V~	1.5	1.1	1.5	4.85	64	60	56	48	41	31	18	1 1/4"	1 1/4"	18.5		
PULSAR DRY 40/80 T-NA	60210548	3x400V~	1.5	1.1	1.5	2.8	64	60	56	48	41	31	18	1 1/4"	1 1/4"	18.5		
PULSAR DRY 50/80 M-NA	60210549	1x230V~	1.9	1.3	1.7	8.3	75	71	66	60	50	37	20	1 1/4"	1 1/4"	19		
PULSAR DRY 50/80 T-NA	60210550	3x230V~	1.8	1.3	1.7	5.9	75	71	66	60	50	37	20	1 1/4"	1 1/4"	19.5		
PULSAR DRY 50/80 T-NA	60210551	3x400V~	1.8	1.3	1.7	3.4	75	71	66	60	50	37	20	1 1/4"	1 1/4"	18.5		

A = Automatic with float

NA = Non-automatic without float

PULSAR DRY CB

5" SUBMERSIBLE END SUCTION MULTISTAGE ELECTRIC PUMPS




MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA							DNM GAS	DNA GAS	WEIGHT KG	
		POWER SUPPLY 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	1x230V~	1	0.65	0.87	4.5	H (m)	44	42	37	29	18	-	-	1 1/4"	1 1/4"	16.7
PULSAR DRY CB 40/50 MNA	60210553	1x230V~	1.2	0.78	1.05	5.4		57	53	48	36	22	-	-	1 1/4"	1 1/4"	17.3
PULSAR DRY CB 50/50 M-NA	60210554	1x230V~	1.6	1.1	1.5	7.35		72	68	60	46.5	31	-	-	1 1/4"	1 1/4"	18
PULSAR DRY CB 65/50 M-NA	60210555	1x230V~	1.9	1.3	1.7	8.3		88	83	74	60	38.5	-	-	1 1/4"	1 1/4"	19
PULSAR DRY CB 30/80 M-NA	60210556	1x230V~	0.78	1.05	5.5	5.5		49	46	43	37	31	22.5	12	1 1/4"	1 1/4"	17
PULSAR DRY CB 40/80 M-NA	60210557	1x230V~	1.1	1.5	7.4	7.4		64	60	56	48	41	31	18	1 1/4"	1 1/4"	18
PULSAR DRY CB 50/80 M-NA	60210558	1x230V~	1.3	1.7	8.3	8.3		75	71	66	60	50	37	20	1 1/4"	1 1/4"	19

A = Automatic with float

NA = Non-automatic without float

CONTROL BOX PULSAR DRY

Electrical control panel for operating Pulsar Dry CB single-phase submersible electric pumps, containing manual reset thermal protection, capacitor and terminal board for electrical connections and possible pressure switch/float connection. Includes 1.5 m cable. Wall-mounting box made of self-extinguishing thermoplastic material.

	SINGLE-PHASE PANEL MODEL	CODE	PUMP MODEL COUPLING	MOTOR POWER kW	AMPER. PROTECTION AMP	CAPACITOR μF	WEIGHT kg.
	CONTROL BOX PULSAR 0.9	60210296	PULSAR DRY CB 30/50M	0.65	6	20	1,7
	CONTROL BOX PULSAR 1	60210297	PULSAR DRY CB 40/50 M	0.75	7	20	1,7
			PULSAR DRY CB 30/80 M				
	CONTROL BOX PULSAR 1.5	60210298	PULSAR DRY CB 50/50 M	1.1	9	25	1,7
			PULSAR DRY CB 40/80 M				
	CONTROL BOX PULSAR 1.75	60210299	PULSAR DRY CB 65/50 M	1.3	10	30	1,7
			PULSAR DRY CB 50/80 M				

MICRA HS

3" MULTISTAGE HIGH-SPEED SUBMERSIBLE PUMP



Designed for lifting and distribution in domestic and industrial water systems, autoclave and cistern feeding, pressurization and irrigation systems.

Pump and motor are directly connected via a rigid coupling.

Technopolymer impellers and self-lubricating polyacetal polymer diffusers.

Pump liner, shaft, coupling, filter and cable cover in stainless steel. Brass suction support and delivery head with built-in non-return valve.

Two-pole asynchronous submersible electric motor, made entirely of stainless steel with brass supports.

Copper squirrel-cage rotor mounted on Kingsbury thrust bearing unit.

Stator immersed in insulating thermosetting resin with high thermal dissipation capacity and encapsulated in a hermetically sealed stainless steel casing.

MICRA HS is supplied with ACTIVE DRIVER 2.2 already pre-configured for operation at a frequency of 130Hz.

Line supply tolerance 230V +10% / -20% single-phase.

Rotation speed 7600 rpm (130Hz).

Electric pump voltage 230 V three-phase.

Operating range 1 to 5 m³/h with head up to 150 metres.

Pumped liquid Clean, free of solids or abrasive substances, non-viscous, non-aggressive, chemically neutral close to the characteristics of water.

Maximum quantity of sand 50 g/m³

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

Installation in pits with a diameter $\geq 3''$, tanks and cisterns in a vertical position. If installed horizontally, a minimum load on the thrust bearing unit must be ensured.

Power cable removable 1.4m or 60m long (30m, 60m, 90m shielded cables also available as accessories).

The packaging contains the electric pump with standard power cable and Active Driver.



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MODEL	CABLE LENGTHS		ELECTRICAL DATA		Q m ³ /h l/min	HYDRAULIC DATA (n ≈ 6300 1/min)										DNM GAS
	1.4 METRE CABLE	60 METRE CABLE	POWER SUPPLY 50 Hz	P1 MAX kW		0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	
	CODE	CODE				8	17	25	33	42	50	58	67	75	84	
MICRA HS 2/5	60180974	60192436	1x230V ~	1.1	H(m)	80	68	55	40	24	-	-	-	-	-	1"
MICRA HS 2/7	60180975	60192437	1x230V ~	1.4		105	90	73	55	32	-	-	-	-	-	1"
MICRA HS 2/9	60180976	60192438	1x230V ~	1.7		128	108	87	62	38	-	-	-	-	-	1"
MICRA HS 2/11	60180977	60192439	1x230V ~	2		150	130	102	75	45	-	-	-	-	-	1"
MICRA HS 3/2	60180978	60192440	1x230V ~	1		-	-	40	37	33	29	24	20	-	-	1"
MICRA HS 3/3	60180979	60192441	1x230V ~	1.3		-	-	52	48	43	38	34	28	-	-	1"
MICRA HS 3/4	60180980	60192442	1x230V ~	1.6		-	-	65	61	56	50	44	36	-	-	1"
MICRA HS 3/5	60180981	60192443	1x230V ~	1.9		-	-	78	74	68	61	54	45	-	-	1"
MICRA HS 4/3	60180982	60192444	1x230V ~	1.6		-	-	-	-	50	46	42	39	35	29	1"
MICRA HS 4/4	60180983	60192445	1x230V ~	1.9		-	-	-	-	63	59	55	49	43	34	1"

MICRA

3" MULTISTAGE SUBMERSIBLE PUMP



BOOSTER

CB⁽¹⁾

3" Multistage pump directly connected to the motor via a rigid coupling.

Noryl impellers and spacers, self-lubricating polyacetyl diffusers. Pump liner, shaft with coupling, filter and cable cover in stainless steel.

Brass base support and upper head. Non-return valve built into the head.

Two-pole asynchronous 3" submersible electric motor, made entirely of AISI 304 stainless steel with brass supports.

Stator immersed in insulating thermosetting resin with high thermal dissipation capacity and encapsulated in a hermetically sealed stainless steel casing.

Thermal protector with automatic reset included in the motor.

CB control panel on request for single-phase version (to be ordered separately).

Pumped liquid Clean, free of solids or abrasive substances, chemically neutral and close to the characteristics of water.

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

Maximum permitted quantity of sand 40 g/m³.

Motor protection degree IP68

Insulation class F.

Starts per hour max 20.

Power cable

MICRA 50 - 1 m.

MICRA 75 - 1.2 m.

MICRA 100 - 1.4 m.

Ready-to-install kit available comprising single-phase electric pump with 15 m cable and BOOSTER control panel with double capacitor.

(1) Mandatory for single-phase versions

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MODEL	CODE	ELECTRICAL DATA					DNM GAS	WEIGHT KG	HYDRAULIC DATA (n = 2800 1/min)																		
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A			H (m)	0.3		0.6		0.9		1.2		1.5		1.8		2.1		2.4		2.7	
				kW	HP					5	10	15	20	25	30	35	40	45									
MICRA 50 M	0090114	1x230 V ~	0.65	0.37	0.5	3.3	1"	9		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 M CABLE + CONTROL BOX (CBS 05)*	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 M CABLE + CONTROL BOX (CBS 06)*	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 M CABLE + CONTROL BOX (CBS 07)*	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 panel to optimise pump starting torque.

S4 WITH WATER-FILLED MOTOR

4" SUBMERSIBLE PUMPS



The S4 are 4" multi-impeller submersible pumps for clean water, designed for pressurization, gardening and irrigation, groundwater in domestic and residential, civil and commercial installations and agricultural irrigation systems.

Available in versions: hydraulic part only, pump body coupled to a two-pole water-filled or oil-filled DAB motor (with different supply voltages) and in a ready-to-use kit that includes pump body and single-phase motor, electrical control panel, electric cable of different lengths and safety cord.

Hydraulics and motor in AISI 304 stainless steel, parts in contact with water in technopolymer. Technopolymer impellers and diffusers. Built-in non-return valve and suction filter. Single-phase version with manually reset thermo-amperometric protection and capacitor in the electrical control panel to be ordered separately (except for kit version). In the three-phase version, protection is the responsibility of the user.

Water-filled motor, stator immersed in insulating thermo-setting resin with high thermal dissipation capacity and encapsulated in a hermetically sealed stainless steel casing.

ACS (hydraulics), WRAS and DM174 certified.

Flow rate up to 21.6 m³/h.

Maximum head 427 m.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum pump diameter 99 mm.

Maximum quantity of sand 150 g/m³.

Impeller construction material

Technopolymer.

Liquid temperature range

0 °C to +40 °C.

Maximum immersion depth

4GG: 300 m.

Motor protection degree IP68.

Motor insulation class F.



DM 174

SAND RESISTANT

MODEL	P2 NOMINAL		DNM	POWER SUPPLY 1x230 ~ V							POWER SUPPLY 3x400 ~ V			POWER SUPPLY 3x230 ~ V		
	kW	HP		ELECTRIC PUMP CODE	In A	WT. (Kg)	CONTROL BOX CODE	KIT COMPLETE WITH: pump, 4GG motor, cable extension, control box and cord			ELECTRIC PUMP CODE	In A	WT. (Kg)	ELECTRIC PUMP CODE	In A	WT. (Kg)
								KIT CODE	LENGTH CABLE	WT. (Kg)						
S41/13	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
S41/19	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
S41/26	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
S41/37	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
S41/48	1.5	2	1" ¼	60190953	11	22.7	108003290	60191462**	40	31.4	60191139	4.4	20.5	60190990	7.6	20.5
S42/7	0.37	0.5	1" ¼	60190954	3.3	9.9	108003210	60191463	15	14	60191141	1.6	9.2	60190991	2.7	9.2
S42/10	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
S42/14	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
S42/20	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
S42/28	1.5	2	1" ¼	60190958	11	20.6	108003290	60191467	40	29.3	60191145	4.4	18.4	60190995	7.6	18.4
S42/40	2.2	3	1" ¼	60190959	15	24	108003300	60191468**	40	32.7	60191146	5.9	23.3	60190996	10.2	23.3
S42/52	3	4	1" ¼	-	-	-	-	-	-	-	60191147	8.3	31.9	60190997	14.3	31.9
S43/6	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
S43/9	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
S43/13	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
S43/19	1.1	1.5	1" ¼	60190963	8.6	17.3	108003280	60191472	40	26	60191151	3.2	15.1	60191004	5.5	15.1
S43/25	1.5	2	1" ¼	60190964	11	20.2	108003290	60191473	40	28.9	60191152	4.4	18	60191005	7.6	18
S43/32	2.2	3	1" ¼	60192298	15	22.4	108003300	60192306**	40	31.1	60192302	5.9	19.5	60192299	10.2	19.5
S43/39	2.2	3	1" ¼	60190965	15	24.5	108003300	60191474**	40	33.2	60191153	5.9	23.8	60191006	10.2	23.8
S43/45	3	4	1" ¼	-	-	-	-	-	-	-	60192303	8.3	31.6	60192300	14.3	31.6
S43/51	3	4	1" ¼	-	-	-	-	-	-	-	60191154	8.3	32.9	60191007	14.3	32.9
S43/67	4	5.5	1" ¼	-	-	-	-	-	-	-	60191155	10	63	60191008	17.3	63

** In the kit version, the motor and pump are supplied unassembled in the same package
Control box not included

S4 WITH WATER-FILLED MOTOR

4" SUBMERSIBLE PUMPS



MODEL	P2 NOMINAL		DNM	POWER SUPPLY 1x230 ~ V							POWER SUPPLY 3x400 ~ V			POWER SUPPLY 3x230 ~ V		
	kW	HP		ELECTRIC PUMP CODE	In A	WT. (Kg)	CONTROL BOX CODE	KIT COMPLETE WITH: pump, 4GG motor, cable extension, control box and cord			ELECTRIC PUMP CODE	In A	WT. (Kg)	ELECTRIC PUMP CODE	In A	WT. (Kg)
								KIT CODE	LENGTH CABLE	WT. (Kg)						
S44/4	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
S44/7	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
S44/9	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
S44/14	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
S44/19	1.5	2	1"¼	60190970	11	19.8	108003290	60191479	40	28.5	60191160	4.4	17.6	60191013	7.6	17.6
S44/27	2.2	3	1"¼	60190971	15	22.3	108003300	60191480	40	31	60191161	5.9	21.6	60191014	10.2	21.6
S44/35	3	4	1"¼	-	-	-	-	-	-	-	60191162	8.3	29.7	60191015	14.3	29.7
S44/48	4	5.5	1"¼	-	-	-	-	-	-	-	60191163	10	35.6	60191016	17.3	35.6
S44/62	5.5	7.5	1"¼	-	-	-	-	-	-	-	60191164	14	41.5	60191017	24.2	41.5
S46/5	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
S46/7	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
S46/10	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
S46/14	1.5	2	1"¼	60190975	11	19.1	108003290	60191484	30	25.6	60191168	4.4	16.9	60191023	7.6	16.9
S46/21	2.2	3	1"¼	60190976	15	22.5	108003300	60191485**	30	29	60191169	5.9	21.8	60191024	10.2	21.8
S46/29	3	4	1"¼	-	-	-	-	-	-	-	60191170	8.3	30.4	60191025	14.3	30.4
S46/38	4	5.5	1"¼	-	-	-	-	-	-	-	60191172	10	36.1	60191026	17.3	36.1
S46/52	5.5	7.5	1"¼	-	-	-	-	-	-	-	60191173	14	66.6	60191027	24.2	66.6
S46/61	7.5	10	1"¼	-	-	-	-	-	-	-	60192304	17.4	75	60192301	30.1	75
S48/5	0.75	1	2"	60190977	6.2	13.4	108003270	60191486	15	17.5	60191174	2.4	12.4	60191028	4.1	12.4
S48/7	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
S48/9	1.5	2	2"	60190979	11	19.1	108003290	60191488	15	23.2	60191176	4.4	16.9	60191030	7.6	16.9
S48/15	2.2	3	2"	60190980	15	21.9	108003300	60191489**	30	28.4	60191177	5.9	21.2	60191041	10.2	21.2
S48/21	3	4	2"	-	-	-	-	-	-	-	60191178	8.3	29.5	60191042	14.3	29.5
S48/27	4	5.5	2"	-	-	-	-	-	-	-	60191179	10	36.2	60191043	17.3	36.2
S48/35	5.5	7.5	2"	-	-	-	-	-	-	-	60192320	14	41.8	60192336	24.2	41.8
S48/38	5.5	7.5	2"	-	-	-	-	-	-	-	60191180	14	66.6	60191044	24.2	66.6
S48/47	7.5	10	2"	-	-	-	-	-	-	-	60192321	17.4	74.8	60192319	30.1	74.8
S48/50	7.5	10	2"	-	-	-	-	-	-	-	60191181	17.4	78.2	60191045	30.1	78.2
S412/6	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
S412/9	1.5	2	2"	60190982	11	19.8	108003290	60191491	15	23.9	60191186	4.4	17.6	60191047	7.6	17.6
S412/13	2.2	3	2"	60190983	15	21.7	108003300	60191492**	15	25.8	60191187	5.9	21	60191048	10.2	21
S412/18	3	4	2"	-	-	-	-	-	-	-	60191188	8.3	31	60191049	14.3	31
S412/24	4	5.5	2"	-	-	-	-	-	-	-	60191189	10	35.9	60191050	17.3	35.9
S412/34	5.5	7.5	2"	-	-	-	-	-	-	-	60191190	14	67.9	60191051	24.2	67.9
S412/44	7.5	10	2"	-	-	-	-	-	-	-	60191191	17.4	78.8	60191052	30.1	78.8
S416/8	1.5	2	2"	60190984	11	20	108003290	60191493	15	24.1	60191192	4.4	17.8	60191053	7.6	17.8
S416/12	2.2	3	2"	60190985	15	23.2	108003300	60191494**	15	27.3	60191193	5.9	22.5	60191054	10.2	22.5
S416/16	3	4	2"	-	-	-	-	-	-	-	60191194	8.3	32	60191055	14.3	32
S416/21	4	5.5	2"	-	-	-	-	-	-	-	60191195	10	38.5	60191056	17.3	38.5
S416/29	5.5	7.5	2"	-	-	-	-	-	-	-	60191196	14	71.1	60191057	24.2	71.1
S416/38	7.5	10	2"	-	-	-	-	-	-	-	60191197	17.4	85.8	60191058	30.1	85.8

** In the kit version, the motor and pump are supplied unassembled in the same package
Control box not included

S4 WITH OIL-FILLED MOTOR

4" SUBMERSIBLE PUMPS



The S4 are 4" multi-impeller submersible pumps for clean water, designed for pressurization, gardening and irrigation, groundwater in domestic and residential, civil and commercial installations and agricultural irrigation systems.

Available in versions: hydraulic part only, pump body coupled to a two-pole water-filled or oil-filled DAB motor (with different supply voltages) and in a ready-to-use kit that includes pump body and single-phase motor, electrical control panel, electric cable of different lengths and safety cord.

Hydraulics and motor in AISI 304 stainless steel, parts in contact with water in technopolymer.

Technopolymer impellers and diffusers. Built-in non-return valve and suction filter. Single-phase version with manually reset thermo-ampereometric protection and capacitor in the electrical control panel to be ordered separately (except for kit version). In the three-phase version, protection is the responsibility of the user.

Oil-filled motor, rewindable stator.

ACS (hydraulics), WRAS and DM174 certified.

Flow rate up to 21.6 m³/h.

Maximum head 427 m.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum pump diameter 99 mm.

Maximum quantity of sand 150 g/m³.

Impeller construction material Technopolymer.

Liquid temperature range +0 °C to +40 °C.

Maximum immersion depth 40L: 250 m.

Motor protection degree IP68.

Motor insulation class F.



DM 174

SAND RESISTANT

MODEL	P2 NOMINAL		DNM	POWER SUPPLY 1x230 ~ V						POWER SUPPLY 3x400 ~ V			POWER SUPPLY 3x230 ~ V			
	kW	HP		ELECTRIC PUMP CODE	In A	WT. (Kg)	CONTROL BOX CODE	KIT COMPLETE WITH: pump, 40L motor, cable extension, control box and cord			ELECTRIC PUMP CODE	In A	WT. (Kg)	ELECTRIC PUMP CODE	In A	WT. (Kg)
								KIT CODE	LENGTH CABLE	WT. (Kg)						
S41/13	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
S41/19	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
S41/26	0.75	1	1"¼	60190753	6.3	14.3	108003270	60191404	30	20.8	60190853	2.6	13	60190790	4.5	13
S41/37	1.1	1.5	1"¼	60190754	8.5	17	108003280	60191405	40	25.7	60190854	3.6	16	60190791	6.2	16
S41/48	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
S42/7	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
S42/10	0.55	0.75	1"¼	60190757	4.5	10.9	108003220	60191408	15	15	60190859	2.2	10	60190796	3.8	10
S42/14	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
S42/20	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
S42/28	1.5	2	1"¼	60190760	10.8	18.3	108003290	60191411	40	27	60190862	4.6	16.3	60190799	7.9	16.3
S42/40	2.2	3	1"¼	60190761	15	23.8	108003300	60191412**	40	32.5	60190863	6	22.7	60190800	10.4	22.7
S42/52	3	4	1"¼	-	-	-	-	-	-	-	60190864	7.5	27.3	60190801	13	27.3
S43/6	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
S43/9	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
S43/13	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
S43/19	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
S43/25	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
S43/32	2.2	3	1"¼	60192291	15	22.2	108003300	60192305**	40	30.9	60192295	6	21.1	60192292	10.4	21.1
S43/39	2.2	3	1"¼	60190767	15	24.3	108003300	60191418**	40	33	60190875	6	23.2	60190807	10.4	23.2
S43/45	3	4	1"¼	-	-	-	-	-	-	-	60192296	7.5	27	60192293	13	27
S43/51	3	4	1"¼	-	-	-	-	-	-	-	60190876	7.5	28.3	60190808	13	28.3
S43/67	4	5.5	1"¼	-	-	-	-	-	-	-	60190877	9.6	56.3	60190809	16.6	56.3

** In the kit version, the motor and pump are supplied unassembled in the same package
Control box not included

S4 WITH OIL-FILLED MOTOR

4" SUBMERSIBLE PUMPS



MODEL	P2 NOMINAL		DNM	POWER SUPPLY 1x230 ~ V							POWER SUPPLY 3x400 ~ V			POWER SUPPLY 3x230 ~ V		
	kW	HP		ELECTRIC PUMP CODE	In A	WT. (Kg)	CONTROL BOX CODE	KIT COMPLETE WITH: pump, 4GG motor, cable extension, control box and cord			ELECTRIC PUMP CODE	In A	WT. (Kg)	ELECTRIC PUMP CODE	In A	WT. (Kg)
								KIT CODE	LENGTH CABLE	WT. (Kg)						
S44/4	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
S44/7	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
S44/9	0.75	1	1"¼	60190770	6.3	12.3	108003270	60191421	15	16.4	60190880	2.6	11	60190812	4.5	11
S44/14	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
S44/19	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
S44/27	2.2	3	1"¼	60190773	15	22.1	108003300	60191424	40	30.8	60190883	6	21	60190815	10.4	21
S44/35	3	4	1"¼	-	-	-	-	-	-	-	60190884	7.5	25.1	60190816	13	25.1
S44/48	4	5.5	1"¼	-	-	-	-	-	-	-	60190885	9.6	28.9	60190817	16.6	28.9
S44/62	5.5	7.5	1"¼	-	-	-	-	-	-	-	60190886	13.1	38.3	60190818	22.6	38.3
S46/5	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
S46/7	0.75	1	1"¼	60190775	6.3	12.3	108003270	60191426	15	16.4	60190896	2.6	11	60190820	4.5	11
S46/10	1.1	1.5	1"¼	60190776	8.5	14	108003280	60191427	15	18.1	60190897	3.6	13	60190821	6.2	13
S46/14	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
S46/21	2.2	3	1"¼	60190778	15	22.3	108003300	60191429**	30	28.8	60190899	6	21.2	60190823	10.4	21.2
S46/29	3	4	1"¼	-	-	-	-	-	-	-	60190900	7.5	25.8	60190824	13	25.8
S46/38	4	5.5	1"¼	-	-	-	-	-	-	-	60190901	9.6	29.4	60190826	16.6	29.4
S46/52	5.5	7.5	1"¼	-	-	-	-	-	-	-	60190902	13.1	63.4	60190827	22.6	63.4
S46/61	7.5	10	1"¼	-	-	-	-	-	-	-	60192297	16.9	72.1	60192294	29.2	72.1
S48/5	0.75	1	2"	60190779	6.3	12.5	108003270	60191430	15	16.6	60190903	2.6	11.2	60190828	4.5	11.2
S48/7	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
S48/9	1.5	2	2"	60190781	10.8	16.8	108003290	60191432	15	20.9	60190905	4.6	14.8	60190830	7.9	14.8
S48/15	2.2	3	2"	60190782	15	21.7	108003300	60191433**	30	28.2	60190906	6	20.6	60190832	10.4	20.6
S48/21	3	4	2"	-	-	-	-	-	-	-	60190907	7.5	24.9	60190833	13	24.9
S48/27	4	5.5	2"	-	-	-	-	-	-	-	60190908	9.6	29.5	60190834	16.6	29.5
S48/35	5.5	7.5	2"	-	-	-	-	-	-	-	60192317	13.1	38.6	60192315	22.6	38.6
S48/38	5.5	7.5	2"	-	-	-	-	-	-	-	60190909	13.1	63.4	60190835	22.6	63.4
S48/47	7.5	10	2"	-	-	-	-	-	-	-	60192318	16.9	71.9	60192316	29.2	71.9
S48/50	7.5	10	2"	-	-	-	-	-	-	-	60190910	16.9	75.3	60190836	29.2	75.3
S412/6	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
S412/9	1.5	2	2"	60190784	10.8	17.5	108003290	60191435	15	21.6	60190912	4.6	15.5	60190838	7.9	15.5
S412/13	2.2	3	2"	60190785	15	21.5	108003300	60191436**	15	25.6	60190913	6	20.4	60190839	10.4	20.4
S412/18	3	4	2"	-	-	-	-	-	-	-	60190914	7.5	26.4	60190840	13	26.4
S412/24	4	5.5	2"	-	-	-	-	-	-	-	60190915	9.6	29.2	60190841	16.6	29.2
S412/34	5.5	7.5	2"	-	-	-	-	-	-	-	60190916	13.1	64.7	60190842	22.6	64.7
S412/44	7.5	10	2"	-	-	-	-	-	-	-	60190917	16.9	75.9	60190843	29.2	75.9
S416/8	1.5	2	2"	60190786	10.8	17.7	108003290	60191437	15	21.8	60190918	4.6	15.7	60190844	7.9	15.7
S416/12	2.2	3	2"	60190787	15	23	108003300	60191438**	15	27.1	60190919	6	21.9	60190845	10.4	21.9
S416/16	3	4	2"	-	-	-	-	-	-	-	60190920	7.5	27.4	60190846	13	27.4
S416/21	4	5.5	2"	-	-	-	-	-	-	-	60190921	9.6	31.8	60190847	16.6	31.8
S416/29	5.5	7.5	2"	-	-	-	-	-	-	-	60190922	13.1	67.9	60190848	22.6	67.9
S416/38	7.5	10	2"	-	-	-	-	-	-	-	60190923	16.9	82.9	60190849	29.2	82.9

** In the kit version, the motor and pump are supplied unassembled in the same package
Control box not included

4GG

4" SUBMERSIBLE MOTORS



Two-pole asynchronous 4" submersible electric motor, **made of AISI 304 stainless steel** for the parts in contact with water. Cooling and lubrication of the thrust bearing unit and bushings is provided by a **mixture of water and glycol**.

The rotor is mounted on a Kingsbury self-centring thrust bearing unit to support high axial loads.

The stator is immersed in insulating thermosetting resin with high thermal dissipation capacity and encapsulated in a hermetically sealed stainless steel casing.

The cable connector is removable for quick and easy maintenance. ACS, WRAS and KTW certified cable.

The motor is suitable for use with speed variator (30 Hz-50 Hz).

For the single-phase 50 Hz version, the capacitor and the manually reset amperometric protection are located in the electrical control panel, which can be supplied separately.

In the three-phase version, protection must be guaranteed by the user.

Flanging NEMA - 4".

Protection degree IP68.

Thermal class F.

Supply voltage

Single-phase 220-230 V / 50 Hz.

Three-phase 400 V / 50 Hz - 230 V / 50 Hz.

Power cable included

1.7 M length for motor power up to 2.2 kW included.

2.7 M length for motor power up to 3 kW included

3.5 M length for motor power up to 7.5 kW.

On request Different cable lengths, different supply voltages, thermal protector.



ACCESSORIES
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MODEL	CODE	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min ⁻¹)	Cos φ	η %	C (μF)	CABLE	
													Ø mm ²	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	0.9	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	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	0.08	79	-	4x2	3.5
4GG - 7,5 KW - 230 V - T	60198796	10	7.5	3x230 V~	17.4	4.8	2.9	9520	2850	0.8	79	-	4x2	3.5

4GX

4" SUBMERSIBLE MOTORS



Two-pole asynchronous 4" submersible electric motor, **made entirely of AISI 316 stainless steel**. Cooling and lubrication of the thrust bearing unit and bushings is provided by a **mixture of water and glycol**.

The rotor is mounted on a Kingsbury self-centring thrust bearing unit to support high axial loads.

The stator is immersed in insulating thermosetting resin with high thermal dissipation capacity and encapsulated in a hermetically sealed stainless steel casing.

The cable connector is removable for quick and easy maintenance. ACS, WRAS and KTW certified cable.

The motor is suitable for use with speed variator (30 Hz-50 Hz).

The capacitor and the manually reset amperometric protection are located in the electrical control panel, which can be supplied separately.

In the three-phase version, protection must be guaranteed by the user.

Flanging NEMA - 4".

Protection degree IP68.

Thermal class F.

Supply voltage

Single-phase 220-230 V / 50 Hz.

Three-phase 400 V / 50 Hz - 230 V / 50 Hz.

Power cable included

1.7 M length for motor power up to 2.2 kW included.

2.7 M length for motor power up to 3 kW included.

3.5 M length for motor power up to 7.5 kW.

On request Different cable lengths, different supply voltages, thermal protector.



AISI 316

MODEL	CODE	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min ⁻¹)	Cos φ	η %	C (μF)	CABLE	
													Ø mm ²	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	0.9	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 - 0,55 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	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 - 1,5 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 - 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 - 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 - 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	0.8	79	-	4x2	3.5

4TW

4" SUBMERSIBLE MOTORS



4TW is a 4" submersible single-phase motor designed for pressurization, gardening and irrigation, groundwater in civil and commercial installations and for the use of water in irrigation systems, including in agriculture.
 Motor in AISI 304 stainless steel for the parts in contact with water. Built-in resin-coated stator.
 Cooling and lubrication through a mixture of water and glycol. Combined with a pump body, it is capable of increasing water pressure, drawing it from pits, cisterns or tanks and allowing it to be used to irrigate medium to large gardens and allotments.
 Built with **capacitor and built-in thermo-amperometric protection**, no external panel required.

Flanging NEMA 4".
Insulation class F.
Protection degree IP68.
Cooling flow speed min. 0.3 m/s 35 °C.
Line supply tolerance +6% / -10%.
Maximum number of starts per hour 20/h.
Maximum operating depth 300 m.
Type of installation possible Vertical or horizontal.
Horizontal operation 0.5 HP - 1.5 HP.
On request different cable lengths, different supply voltages.



ACCESSORIES
PAGE 379

MODEL	CODE	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min ⁻¹)	Cos φ	η %	C (μF)	CABLE	
													Ø mm ²	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



Two-pole asynchronous 4" submersible electric motor, **rewindable**, made of AISI 304 stainless steel for the parts in contact with water.

Cooling and lubrication of the ball bearings is ensured by an FDA-approved **special liquid**.

The stator is inserted in an AISI 304L stainless steel liner fixed by steel pins to the upper motor support.

The cable connector is removable for quick and easy maintenance. ACS, WRAS and KTW certified cable.

The motor is suitable for use with speed variator (30 Hz-50 Hz).

For the single-phase version, the capacitor and the manually reset amperometric protection are located in the electrical control panel, which can be supplied separately.

In the three-phase version, protection must be guaranteed by the user. The motor can be supplied with a PT100 temperature sensor.

Flanging NEMA 4".

Insulation class F.

Protection degree IP68.

Cooling flow speed min. 0.3 m/s 35 °C.

Line supply tolerance +6% / -10%.

Maximum number of starts per hour 20/h.

Maximum operating depth 250 m.

Horizontal operation 0.5 HP - 10 HP.

On request Different cable lengths, different supply voltages, thermal protection (up to 1.5HP, 50 Hz).



ACCESSORIES
PAGE 379

MODEL	CODE	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	Cs/Cn	P1 (W)	N (min ⁻¹)	Cos φ	η %	C (μF)	CABLE	
													Ø mm ²	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	0.6	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	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	3	9030	2840	0.77	81	-	4x2	3.5

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



Submersible **semi-axial** multistage electric pumps for 6" or larger pits, capable of generating a wide range of flow rates. Designed for lifting, distribution and pressurization in civil and industrial water systems, autoclave and cistern feeding, firefighting and washing systems, irrigation systems. Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Pump body and impellers in AISI 304 or AISI 316 pressed steel. Pump equipped with a low pressure drop non-return valve.

For variable frequency drive operation please refer to the specifications of the coupled motor.

Operating range 75 m³/h with head up to 670 m.

Maximum permitted quantity of sand 50g/ m³.

Maximum ambient temperature 30°C (50°C available on request).

Delivery (threaded)

SS 6 A - SS 6 B: 2 1/2"

SS 6 C: 3"

SS 6 D - SS 6 E: 4"

Coupled with 4", 6" or 8" motors depending on the power required by the hydraulics and available in standard or stainless steel version:

4GG: 4" built-in submersible motor.

4OL: 4" oil-filled submersible motor.

6GF: 6" built-in submersible motor.

TR 6: 6" rewindable submersible motor.

TR 8: 8" rewindable submersible motor.



SS 6A HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm	
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m ³ /h	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0				17.0
				kW	HP														
SS6A 01	60170099	60201534	4"	0.55	0.75	H (m)	9	9	9	9	9	8	7	6	5	4	2 1/2"	5	566
SS6A 02	60170100	60201535	4"	1.1	1.5		19	19	19	18	17	16	15	13	10	9	2 1/2"	7	676
SS6A 03	60170101	60184145	4"	1.5	2		28	28	28	27	26	24	22	19	15	13	2 1/2"	8	799
SS6A 04	60170102	60201536	4"	2.2	3		37	37	37	36	35	32	29	25	20	18	2 1/2"	10	904
SS6A 05	60170103	60199348	4"	2.2	3		47	47	46	45	43	41	37	32	26	22	2 1/2"	11	965
SS6A 06	60170104	60199784	4"	2.2	3		56	56	56	54	52	49	44	38	31	27	2 1/2"	13	1025
SS6A 07	60170105	60201537	4"	3	4		65	66	65	64	61	57	51	44	36	31	2 1/2"	14	1237
SS6A 08	60170106	60201539	4"	4	5.5		75	75	74	73	70	65	59	51	41	36	2 1/2"	15	753
SS6A 08	60167875	60173603	6"	4	5.5		75	75	74	73	70	65	59	51	41	36	2 1/2"	15	753
SS6A 09	60170107	60201540	4"	4	5.5		84	84	84	82	78	73	66	57	46	40	2 1/2"	17	814
SS6A 09	60167876	60201541	6"	4	5.5		84	84	84	82	78	73	66	57	46	40	2 1/2"	17	814
SS6A 10	60170108	60201543	4"	4	5.5		93	94	93	91	87	81	73	63	51	44	2 1/2"	18	874
SS6A 10	60167877	60201542	6"	4	5.5		93	94	93	91	87	81	73	63	51	44	2 1/2"	18	874
SS6A 11	60170109	60201544	4"	4	5.5	103	103	102	100	96	89	81	70	56	49	2 1/2"	20	935	
SS6A 11	60167878	60192341	6"	4	5.5	103	103	102	100	96	89	81	70	56	49	2 1/2"	20	935	
SS6A 12	60170110	60201545	4"	5.5	7.5	112	112	112	109	104	97	88	76	61	53	2 1/2"	21	995	
SS6A 12	60167879	60181888	6"	5.5	7.5	112	112	112	109	104	97	88	76	61	53	2 1/2"	21	995	
SS6A 13	60170111	60201547	4"	5.5	7.5	121	122	121	118	113	105	95	82	67	58	2 1/2"	23	1056	
SS6A 13	60167880	60201546	6"	5.5	7.5	121	122	121	118	113	105	95	82	67	58	2 1/2"	23	1056	

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



MODEL	STANDARD		AISI 316		MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE	KW	HP		Q=m³h														
						Q=l/sec	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	17.0				
							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 1/2"	24	1116	
SS6A 14	60167881	60187433	6"	5.5	7.5		131	131	130	127	122	114	103	89	72	62	2 1/2"	24	1116	
SS6A 15	60170113	60201551	4"	5.5	7.5		140	140	139	136	130	122	110	95	77	67	2 1/2"	26	1177	
SS6A 15	60167882	60201549	6"	5.5	7.5		140	140	139	136	130	122	110	95	77	67	2 1/2"	26	1177	
SS6A 16	60170116	60201553	4"	7.5	10		149	150	149	145	139	130	117	101	82	71	2 1/2"	27	1237	
SS6A 16	60167885	60201552	6"	7.5	10		149	150	149	145	139	130	117	101	82	71	2 1/2"	27	1237	
SS6A 17	60170118	60201555	4"	7.5	10		159	159	158	154	148	138	124	108	87	76	2 1/2"	28	1298	
SS6A 17	60167886	60201554	6"	7.5	10		159	159	158	154	148	138	124	108	87	76	2 1/2"	28	1298	
SS6A 18	60170120	60201557	4"	7.5	10		168	169	167	163	156	146	132	114	92	80	2 1/2"	30	1358	
SS6A 18	60167887	60201556	6"	7.5	10		168	169	167	163	156	146	132	114	92	80	2 1/2"	30	1358	
SS6A 19	60170122	60201558	4"	7.5	10		177	178	177	172	165	154	139	120	97	84	2 1/2"	31	1419	
SS6A 19	60167888	60193396	6"	7.5	10		177	178	177	172	165	154	139	120	97	84	2 1/2"	31	1419	
SS6A 20	60170124	60201560	4"	7.5	10		187	187	186	182	174	162	146	127	102	89	2 1/2"	33	1479	
SS6A 20	60167889	60201559	6"	7.5	10		187	187	186	182	174	162	146	127	102	89	2 1/2"	33	1479	
SS6A 21	60170125	60201565	4"	7.5	10		196	197	195	191	182	170	154	133	108	93	2 1/2"	34	1540	
SS6A 21	60167892	60201561	6"	7.5	10		196	197	195	191	182	170	154	133	108	93	2 1/2"	34	1540	
SS6A 22	60167893	60201566	6"	9.2	12.5		205	206	204	200	191	178	161	139	113	98	2 1/2"	36	1600	
SS6A 23	60167894	60201567	6"	9.2	12.5		215	215	214	209	200	186	168	146	118	102	2 1/2"	37	1661	
SS6A 24	60167895	60201568	6"	9.2	12.5		224	225	223	218	209	195	176	152	123	107	2 1/2"	39	1721	
SS6A 25	60167896	60201569	6"	9.2	12.5		233	234	232	227	217	203	183	158	128	111	2 1/2"	40	1782	
SS6A 26	60167897	60201570	6"	9.2	12.5		243	244	242	236	226	211	190	165	133	116	2 1/2"	41	1842	
SS6A 27	60167898	60201571	6"	11	15		252	253	251	245	235	219	198	171	138	120	2 1/2"	43	1903	
SS6A 28	60167899	60201572	6"	11	15		261	262	260	254	243	227	205	177	143	124	2 1/2"	44	1963	
SS6A 29	60167900	60201573	6"	11	15		270	272	270	263	252	235	212	184	149	129	2 1/2"	46	2024	
SS6A 30	60167901	60201574	6"	11	15		280	281	279	272	261	243	220	190	154	133	2 1/2"	47	2084	
SS6A 31	60167902	60201575	6"	13	17.5		289	290	288	281	269	251	227	196	159	138	2 1/2"	49	2145	
SS6A 32	60167903	60201576	6"	13	17.5		298	300	297	290	278	259	234	202	164	142	2 1/2"	50	2205	
SS6A 33	60167904	60201577	6"	13	17.5	H (m)	308	309	307	300	287	268	242	209	169	147	2 1/2"	52	2266	
SS6A 34	60167905	60201578	6"	13	17.5		317	318	316	309	295	276	249	215	174	151	2 1/2"	53	2326	
SS6A 35	60167906	60201579	6"	13	17.5		326	328	325	318	304	284	256	221	179	156	2 1/2"	54	2387	
SS6A 36	60167907	60201581	6"	13	17.5		336	337	335	327	313	292	264	228	184	160	2 1/2"	56	2447	
SS6A 37	60167908	60201582	6"	13	17.5		345	347	344	336	321	300	271	234	190	164	2 1/2"	57	2508	
SS6A 38	60167909	60201583	6"	15	20		354	356	353	345	330	308	278	240	195	169	2 1/2"	59	2568	
SS6A 39	60167910	60201584	6"	15	20		364	365	362	354	339	316	286	247	200	173	2 1/2"	91	2879	
SS6A 40	60167911	60201585	6"	15	20		373	375	372	363	348	324	293	253	205	178	2 1/2"	92	2939	
SS6A 41	60167912	60201586	6"	15	20		382	384	381	372	356	332	300	259	210	182	2 1/2"	94	3000	
SS6A 42	60167913	60201587	6"	18.5	25		392	393	390	381	365	341	308	266	215	187	2 1/2"	96	3060	
SS6A 43	60167914	60201588	6"	18.5	25		401	403	400	390	374	349	315	272	220	191	2 1/2"	98	3121	
SS6A 44	60167915	60201589	6"	18.5	25		410	412	409	399	382	357	322	278	225	196	2 1/2"	100	3181	
SS6A 45	60167916	60201616	6"	18.5	25		420	421	418	408	391	365	330	285	231	200	2 1/2"	101	3242	
SS6A 46	60167917	60201618	6"	18.5	25		429	431	428	418	400	373	337	291	236	204	2 1/2"	103	3302	
SS6A 47	60167918	60201619	6"	18.5	25		438	440	437	427	408	381	344	297	241	209	2 1/2"	105	3363	
SS6A 48	60167919	60201620	6"	18.5	25		448	450	446	436	417	389	352	304	246	213	2 1/2"	107	3423	
SS6A 49	60167920	60201621	6"	18.5	25		457	459	455	445	426	397	359	310	251	218	2 1/2"	108	3484	
SS6A 50	60169215	60201622	6"	22	30		466	468	465	454	434	405	366	316	256	222	2 1/2"	110	3544	
SS6A 51	60169216	60201623	6"	22	30		476	478	474	463	443	414	373	323	261	227	2 1/2"	112	3605	
SS6A 52	60169217	60201624	6"	22	30		485	487	483	472	452	422	381	329	266	231	2 1/2"	114	3665	
SS6A 53	60169218	60201625	6"	22	30		494	496	493	481	460	430	388	335	272	236	2 1/2"	116	3726	
SS6A 54	60169219	60201626	6"	22	30		504	506	502	490	469	438	395	342	277	240	2 1/2"	117	3786	
SS6A 55	60169220	60201627	6"	22	30		513	515	511	499	478	446	403	348	282	244	2 1/2"	119	3847	
SS6A 56	60169221	60201628	6"	22	30		522	524	520	508	487	454	410	354	287	249	2 1/2"	121	3907	
SS6A 57	60169223	60201631	6"	22	30		532	534	530	517	495	462	417	361	292	253	2 1/2"	123	3968	
SS6A 58	60169225	60201633	6"	22	30		541	543	539	526	504	470	425	367	297	258	2 1/2"	125	4028	
SS6A 59	60169227	60201634	6"	22	30		550	553	548	536	513	478	432	373	302	262	2 1/2"	126	4089	
SS6A 60	60169228	60201635	6"	22	30		560	562	558	545	521	486	439	380	307	267	2 1/2"	128	4149	

DAB SERVICES
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 GROUNDWATER AND IRRIGATION
 SWIMMING POOL PUMPS
 FIRE FIGHTING

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



SS 6B HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm	
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³h	0.0	6.0	8.0	10.0	12.0	14.0	15.0	16.0	18.0				20.0
				KW	HP	Q=l/sec	0.0	1.7	2.2	2.8	3.3	3.9	4.2	4.4	5				5.6
SS6B 01	60170130	60201639	4"	0.75	1		11	11	11	10	10	9	9	9	8	6	2½"	13.1	330
SS6B 02	60170131	60201640	4"	1.5	2		23	22	22	21	20	19	18	17	15	13	2½"	18	390
SS6B 03	60170132	60196898	4"	2.2	3		34	33	33	31	30	28	27	26	23	19	2½"	21.2	451
SS6B 04	60170133	60201641	4"	3	4		45	44	43	42	40	37	36	34	30	26	2½"	29.9	511
SS6B 05	60170144	60199783	4"	3	4		56	55	54	52	50	47	45	43	38	32	2½"	30.9	572
SS6B 06	60170145	60201642	4"	4	5.5		68	66	65	63	60	56	54	51	45	39	2½"	52.4	632
SS6B 06	60167925	60201643	6"	4	5.5		68	66	65	63	60	56	54	51	45	39	2½"	52.4	632
SS6B 07	60170146	60201644	4"	4	5.5		79	77	76	73	70	65	63	60	53	45	2½"	14	693
SS6B 07	60167199	60201645	6"	4	5.5		79	77	76	73	70	65	63	60	53	45	2½"	14	693
SS6B 08	60170147	60201646	4"	5.5	7.5		90	89	87	84	80	75	71	68	60	52	2½"	16	753
SS6B 08	60167926	60182308	6"	5.5	7.5		90	89	87	84	80	75	71	68	60	52	2½"	16	753
SS6B 09	60170148	60201651	4"	5.5	7.5		102	100	98	94	90	84	80	77	68	58	2½"	17	814
SS6B 09	60167927	60178129	6"	5.5	7.5		102	100	98	94	90	84	80	77	68	58	2½"	17	814
SS6B 10	60170149	60201652	4"	5.5	7.5		113	111	108	105	100	93	89	85	76	65	2½"	18	874
SS6B 10	60167200	60169471	6"	5.5	7.5		113	111	108	105	100	93	89	85	76	65	2½"	18	874
SS6B 11	60170150	60201653	4"	7.5	10		124	122	119	115	110	102	98	94	83	71	2½"	20	935
SS6B 11	60167928	60201654	6"	7.5	10		124	122	119	115	110	102	98	94	83	71	2½"	20	935
SS6B 12	60170151	60201655	4"	7.5	10		135	133	130	126	120	112	107	102	91	78	2½"	21	995
SS6B 12	60167929	60201656	6"	7.5	10		135	133	130	126	120	112	107	102	91	78	2½"	21	995
SS6B 13	60170152	60201657	4"	7.5	10	H(m)	147	144	141	136	130	121	116	111	98	84	2½"	23	1056
SS6B 13	60167201	60182309	6"	7.5	10		147	144	141	136	130	121	116	111	98	84	2½"	23	1056
SS6B 14	60170153	60201658	4"	7.5	10		158	155	152	147	140	130	125	119	106	91	2½"	24	1116
SS6B 14	60167930	60182310	6"	7.5	10		158	155	152	147	140	130	125	119	106	91	2½"	24	1116
SS6B 15	60167202	60201659	6"	9.2	12.5		169	166	163	157	150	140	134	128	113	97	2½"	26	1177
SS6B 16	60167931	60169472	6"	9.2	12.5		181	177	173	168	160	149	143	136	121	103	2½"	27	1237
SS6B 17	60167203	60183431	6"	9.2	12.5		192	188	184	178	170	158	152	145	128	110	2½"	29	1298
SS6B 18	60167932	60201660	6"	11	15		203	199	195	189	180	168	161	153	136	116	2½"	30	1358
SS6B 19	60167933	60201661	6"	11	15		214	210	206	199	190	177	170	162	143	123	2½"	31	1419
SS6B 20	60167204	60201663	6"	11	15		226	221	217	210	199	186	179	170	151	129	2½"	33	1479
SS6B 21	60167934	60201664	6"	13	17.5		237	232	228	220	209	196	188	179	159	136	2½"	34	1540
SS6B 22	60167205	60201665	6"	13	17.5		248	243	238	230	219	205	196	187	166	142	2½"	36	1600
SS6B 23	60167935	60201667	6"	13	17.5		260	254	249	241	229	214	205	196	174	149	2½"	37	1661
SS6B 24	60167206	60201668	6"	13	17.5		271	266	260	251	239	224	214	204	181	155	2½"	39	1721
SS6B 25	60167938	60201669	6"	15	20		282	277	271	262	249	233	223	213	189	162	2½"	40	1782
SS6B 26	60167939	60201670	6"	15	20		293	288	282	272	259	242	232	221	196	168	2½"	42	1842
SS6B 27	60167207	60201671	6"	15	20		305	299	293	283	269	252	241	230	204	175	2½"	43	1903
SS6B 28	60167940	60201672	6"	15	20		316	310	303	293	279	261	250	238	211	181	2½"	45	1963
SS6B 29	60167941	60201674	6"	18.5	25		327	321	314	304	289	270	259	247	219	188	2½"	46	2024
SS6B 30	60167208	60201675	6"	18.5	25		339	332	325	314	299	280	268	255	227	194	2½"	47	2084

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

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END SUCTION AND VERTICAL MULTISTAGE PUMPS

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FIRE FIGHTING

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



SS 6B HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm	
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³h	0.0	6.0	8.0	10.0	12.0	14.0	15.0	16.0	18.0				20.0
				KW	HP	Q=l/sec	0.0	1.7	2.2	2.8	3.3	3.9	4.2	4.4	5				5.6
SS6B 31	60167209	60201678	6"	18.5	25	H (m)	350	343	336	325	309	289	277	264	234	200	2 1/2"	49	2145
SS6B 32	60167942	60201679	6"	18.5	25		361	354	347	335	319	298	286	272	242	207	2 1/2"	50	2205
SS6B 33	60167210	60201680	6"	18.5	25		372	365	358	346	329	307	295	281	249	213	2 1/2"	52	2266
SS6B 34	60167943	60201681	6"	18.5	25		384	376	368	356	339	317	304	289	257	220	2 1/2"	53	2326
SS6B 35	60167944	60201682	6"	22	30		395	387	379	367	349	326	313	298	264	226	2 1/2"	55	2387
SS6B 36	60167211	60201683	6"	22	30		406	398	390	377	359	335	322	306	272	233	2 1/2"	56	2447
SS6B 37	60167945	60201684	6"	22	30		418	409	401	388	369	345	330	315	279	239	2 1/2"	58	2508
SS6B 38	60167212	60201685	6"	22	30		429	420	412	398	379	354	339	323	287	246	2 1/2"	59	2568
SS6B 39	60167946	60201686	6"	22	30		440	432	423	409	389	363	348	332	294	252	2 1/2"	91	2879
SS6B 40	60167213	60201687	6"	22	30		451	443	433	419	399	373	357	340	302	259	2 1/2"	93	2939
SS6B 41	60167947	60201688	6"	22	30		463	454	444	430	409	382	366	349	310	265	2 1/2"	95	3000
SS6B 42	60167948	60201690	6"	26	35		474	465	455	440	419	391	375	357	317	272	2 1/2"	96	3060
SS6B 43	60167949	60201691	6"	26	35		485	476	466	450	429	401	384	366	325	278	2 1/2"	98	3121
SS6B 44	60167950	60201692	6"	26	35		497	487	477	461	439	410	393	374	332	284	2 1/2"	100	3181
SS6B 45	60167951	60201693	6"	26	35		508	498	488	471	449	419	402	383	340	291	2 1/2"	102	3242
SS6B 46	60167952	60201694	6"	26	35		519	509	498	482	459	429	411	391	347	297	2 1/2"	103	3302
SS6B 47	60167953	60201695	6"	26	35		531	520	509	492	469	438	420	400	355	304	2 1/2"	105	3363
SS6B 48	60167954	60201696	6"	26	35		542	531	520	503	479	447	429	408	362	310	2 1/2"	107	3423
SS6B 49	60167955	60201697	6"	30	40		553	542	531	513	489	457	438	417	370	317	2 1/2"	109	3484
SS6B 50	60167956	60201698	6"	30	40		564	553	542	524	499	466	447	425	378	323	2 1/2"	111	3544
SS6B 51	60167957	60201699	6"	30	40		576	564	553	534	509	475	456	434	385	330	2 1/2"	112	3605
SS6B 52	60167958	60201700	6"	30	40		587	575	563	545	519	485	464	442	393	336	2 1/2"	114	3665
SS6B 53	60167959	60201702	6"	30	40		598	586	574	555	529	494	473	451	400	343	2 1/2"	116	3726
SS6B 54	60169229	60201703	6"	30	40		610	597	585	566	539	503	482	459	408	349	2 1/2"	118	3786
SS6B 55	60169236	60201704	6"	30	40		621	609	596	576	549	512	491	468	415	356	2 1/2"	120	3847
SS6B 56	60169237	60201705	6"	30	40		632	620	607	587	559	522	500	476	423	362	2 1/2"	121	3907
SS6B 57	60169238	60201706	6"	37	50		643	631	618	597	569	531	509	485	430	369	2 1/2"	123	3968
SS6B 58	60169239	60201707	6"	37	50		655	642	628	608	578	540	518	493	438	375	2 1/2"	125	4028
SS6B 59	60169240	60201708	6"	37	50		666	653	639	618	588	550	527	502	446	381	2 1/2"	127	4089
SS6B 60	60169241	60201709	6"	37	50		677	664	650	629	598	559	536	510	453	388	2 1/2"	129	4149

DAB SERVICES

HEATING AND AIR CONDITIONING

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GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



SS 6C HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA											DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³h													
				KW	HP	Q=1/sec	0.0	6.0	10.0	14.0	18.0	22.0	26.0	30.0	34.0	38.0			
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	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"	84	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	

DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

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FIRE FIGHTING

SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



SS 6D HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		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=1/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	H (m)	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	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				

DAB SERVICES

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FIRE FIGHTING



SS 6

6" SUBMERSIBLE ELECTRIC PUMPS



SS 6E HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		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						
SS6E01	60171006	-	4"	2.2	3		15	13	10	10	9	9	8	8	7	6	4"	7	382			
SS6E02	60171007	60201811	4"	4	5.5		30	26	21	20	19	18	17	15	14	11	4"	10	494			
SS6E02	60167265	60178924	6"	4	5.5		30	26	21	20	19	18	17	15	14	11	4"	10	494			
SS6E03	60171008	60201812	4"	5.5	7.5		45	38	31	30	28	27	25	23	20	17	4"	12	606			
SS6E03	60167266	60201813	6"	5.5	7.5		45	38	31	30	28	27	25	23	20	17	4"	12	606			
SS6E04	60171009	60201814	4"	7.5	10		60	51	42	40	38	36	33	31	27	23	4"	15	718			
SS6E04	60167267	60171300	6"	7.5	10		60	51	42	40	38	36	33	31	27	23	4"	15	718			
SS6E05	60167268	60171301	6"	9.2	12.5		75	64	52	50	47	45	42	38	34	28	4"	18	830			
SS6E06	60167269	60201815	6"	11	15		90	77	62	59	57	54	50	46	41	34	4"	20	942			
SS6E07	60167270	60199729	6"	13	17.5		105	90	73	69	66	63	59	54	48	40	4"	23	1054			
SS6E08	60167271	60181385	6"	15	20		120	103	83	79	75	71	67	61	54	45	4"	26	1166			
SS6E09	60168005	60201816	6"	18.5	25		135	115	94	89	85	80	75	69	61	51	4"	28	1278			
SS6E10	60167272	60201817	6"	18.5	25		150	128	104	99	94	89	84	77	68	56	4"	31	1390			
SS6E11	60168006	60201818	6"	22	30		165	141	115	109	104	98	92	85	75	62	4"	34	1502			
SS6E12	60167273	60201819	6"	22	30		180	154	125	119	113	107	100	92	82	68	4"	36	1614			
SS6E13	60168007	60201827	6"	26	35		195	167	135	129	123	116	109	100	88	73	4"	39	1726			
SS6E14	60167274	60201828	6"	26	35	H(m)	210	180	146	139	132	125	117	108	95	79	4"	42	1838			
SS6E15	60168008	60201829	6"	30	40		225	192	156	149	141	134	126	115	102	85	4"	44	1950			
SS6E16	60168009	60201830	6"	30	40		240	205	167	159	151	143	134	123	109	90	4"	47	2062			
SS6E17	60167275	60201831	6"	30	40		255	218	177	169	160	152	142	131	116	96	4"	50	2174			
SS6E18	60168010	60201832	6"	37	50		270	231	187	178	170	161	151	138	122	102	4"	52	2286			
SS6E19	60168011	60201833	6"	37	50		285	244	198	188	179	170	159	146	129	107	4"	55	2398			
SS6E20	60167276	60201834	6"	37	50		300	257	208	198	189	179	167	154	136	113	4"	58	2510			
SS6E21	60167277	60201837	6"	37	50		315	269	219	208	198	188	176	161	143	119	4"	60	2622			
SS6E22	60168012	60201838	6"	45	60		330	282	229	218	207	197	184	169	150	124	4"	63	2734			
SS6E23	60168013	60201839	8"	45	60		345	295	239	228	217	205	193	177	157	130	4"	65	2846			
SS6E24	60167278	60201840	8"	45	60		360	308	250	238	226	214	201	184	163	135	4"	68	2958			
SS6E25	60168014	60201841	8"	55	75		375	321	260	248	236	223	209	192	170	141	4"	71	3070			
SS6E26	60168015	60195646	8"	55	75		390	334	271	258	245	232	218	200	177	147	4"	73	3182			
SS6E27	60168016	60201842	8"	55	75		405	346	281	268	255	241	226	208	184	152	4"	76	3294			
SS6E28	60167279	60189119	8"	55	75		420	359	292	278	264	250	234	215	191	158	4"	79	3406			
SS6E29	60168017	60201843	8"	55	75		435	372	302	287	273	259	243	223	197	164	4"	81	3518			
SS6E30	60167280	60201844	8"	55	75		450	385	312	297	283	268	251	231	204	169	4"	84	3630			

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SWIMMING POOL PUMPS
FIRE FIGHTING

SMC 6

6" SUBMERSIBLE ELECTRIC PUMPS



Submersible semi-axial multistage electric pumps for 6" or larger pits, capable of generating a wide range of flow rates and heads. Designed for lifting, distribution and pressurization in industrial water systems, autoclave and cistern feeding, firefighting systems, irrigation systems.

Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Cataphoresis-treated cast iron pump body and AISI 304 stainless steel precision cast impellers dynamically balanced and keyed to the shaft. Shaft guided by coaxial bush bearings and fully protected by bushings.

Pump equipped with a low pressure drop non-return valve.

Threaded delivery port.

For the electrical characteristics of the coupled motors and variable frequency drive operation specifications, please refer to the specific model data sheets.

Operating range up to 84 m³/h with head up to 452 m.

Pumped liquid Clean, free of solids or abrasive substances, chemically neutral close to the characteristics of water.

Maximum number of starts per hour refer to the coupled motor.

Cooling flow refer to the coupled motor.

Maximum permitted quantity of sand 40gr/m³.

Ambient temperature +30°C.

Recommended minimum suction level m1.

Installation horizontal or vertical.

Coupled with 4", 6" or 8" motors depending on the power required by the hydraulics and available in both standard and entirely stainless steel version.

4GG: 4" built-in submersible motor.

4OL: 4" oil-filled submersible motor.

6GF: 6" built-in submersible motor.

TR 6: 6" rewindable submersible motor.

TR 8: 8" rewindable submersible motor.

SMC 6 30 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM GAS	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m ³ h	0	9	12	15	18	21	24	27	30	33	36	42				
			kW	HP	Q=l/min	0	150	200	250	300	350	400	450	500	550	600	700				
SMC6 30/4E	60177213	4"	5.5	7.5	H(m)	66.5	63	62	60.5	59	57	54.5	51.5	47.5	42.5	36.5	23	2½"	28	634	
SMC6 30/5E	60177214	6"	7.5	10		83	79	77	75.5	73.5	71	68	64	59	53	45	28.5	2½"	33	710	
SMC6 30/7G	60177215	6"	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	
SMC6 30/8E	60177216	6"	11	15		133	126	123.5	120.5	117.5	113.5	108.5	102	94	84	71.5	45	2½"	46	958	
SMC6 30/10F	60177217	6"	13	17.5		161.5	150.5	148	144.5	140.5	136	129	120	109	96	79.5	49	2½"	55	1123	
SMC6 30/11E	60177218	6"	15	20		182.5	171	167.5	164	159.5	154.5	147	137.5	125.5	111	93	58	2½"	60	1205	
SMC6 30/12E	60177219	6"	18.5	25		199.5	186.5	183	178.5	174	168.5	160	149.5	136.5	121	101.5	63.5	2½"	65	1288	
SMC6 30/14E	60177220	6"	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	
SMC6 30/15E	60177221	6"	22	30		249	233	228.5	223.5	217.5	210.5	200	187	170.5	151	126.5	79	2½"	78	1535	
SMC6 30/17F	60177222	6"	22	30		274.5	256	251.5	245.5	239	230.5	219	204	185	162.5	135	82	2½"	88	1700	
SMC6 30/20F	60177223	6"	26	35		322.5	304	297.5	290	282	272.5	259	240.5	217.5	189	155	92.5	2½"	101	1948	
SMC6 30/22E	60177224	6"	30	40		361	339	332	325	318	306	291	271.5	246	215	177	106.5	2½"	110	2113	
SMC6 30/25F	60177225	6"	37	50		403	380	372	362.5	352.5	340.5	323.5	301	271.5	236	193.5	115.5	2½"	124	2360	
SMC6 30/28F	60177226	6"	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	

SMC 6

6" SUBMERSIBLE ELECTRIC PUMPS



SMC 6 45 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA													DNM GAS	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m³h	0	12	18	24	30	36	42	45	48	54	60	66			
			kW	HP	Q=l/min	0	200	300	400	500	600	700	750	800	900	1000	1100			
SMC6 45/3H	60177227	4"	4	5.5	H (m)	39	35.5	33.5	32	30.5	28.5	26	24.5	23	18.5	14	9	3"	26	664
SMC6 45/4H	60177228	4"	5.5	7.5		52	47.5	45	43	41	38.5	35	33	30.5	25.5	19	13	3"	31	773
SMC6 45/5G	60177229	6"	7.5	10		70	64	61.5	59.5	57	54	49.5	47	44	37.5	29.5	20	3"	37	888
SMC6 45/6F	60177230	6"	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
SMC6 45/7E	60177231	6"	11	15		101	95.5	92	89	85	80	72.5	68.5	64	53.5	41.5	28.5	3"	47	1118
SMC6 45/8E	60177232	6"	13	17.5		116	110	106.5	103	99	93	85	80.5	75	63	48	31.5	3"	53	1233
SMC6 45/10F	60177233	6"	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
SMC6 45/11F	60177234	6"	18.5	25		154.5	143	137	131.5	125.5	118.5	108.5	102.5	96	80.5	62.5	43.5	3"	69	1578
SMC6 45/12F	60177236	6"	18.5	25		168.5	156	149	143.5	137	129.5	118.5	112	104.5	87.5	68	47	3"	74	1693
SMC6 45/13F	60177237	6"	22	30		182.5	168.5	161.5	155.5	148.5	140	128	121	113	95	73.5	51	3"	80	1808
SMC6 45/14E	60177238	6"	22	30		201.5	190.5	183.5	177	169	159	144.5	136	126.5	105.5	81.5	57	3"	85	1923
SMC6 45/17F	60177239	6"	26	35		238.5	220.5	211	203	194	183	167.5	158	147.5	123.5	95.5	66	3"	101	2268
SMC6 45/20F	60177240	6"	30	40		280.5	259.5	248.5	238.5	228	215	196.5	186	173.5	145.5	112	75	3"	117	2613
SMC6 45/22G	60177241	6"	37	50		308	284.5	274	263	250	234	212.5	200.5	187	157	121	78.5	3"	128	2843
SMC6 45/24F	60177242	6"	37	50		336.5	311	298	286	273.5	258	236	222.5	208	174	134.5	93	3"	139	3073

SMC 6 60 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA													DNM GAS	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m³h	0	18	30	36	42	48	54	60	66	72	78	84			
			kW	HP	Q=l/min	0	300	500	600	700	800	900	1000	1100	1200	1300	1400			
SMC6 60/2G	60177243	4"	4	5.5	H (m)	26.5	24.5	23.5	22.5	21.5	20	18.5	16	14	11	8	5	3"	21	549
SMC6 60/3G	60177244	4"	5.5	7.5		39.5	37	35.5	34	32.5	30.5	28	24.5	21	17	13	8	3"	26	664
SMC6 60/4G	60177245	6"	7.5	10		52	50.5	48.5	47	45	42	39	34.5	30	25	19.5	13	3"	31	773
SMC6 60/5G	60177246	6"	9.2	12.5		65	63	60.5	58.5	56	52.5	48.5	43	37	31	24	16	3"	37	888
SMC6 60/6G	60177247	6"	11	15		78	75.5	72.5	70	67.5	63	58	51.5	44.5	36.5	28	18.5	3"	42	1003
SMC6 60/7E	60177248	6"	13	17.5		94.5	89	83.5	81	77.5	72.5	67	59.5	51	42	32	22.5	3"	47	1118
SMC6 60/8E	60177249	6"	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
SMC6 60/9E	60177250	6"	18.5	25		121.5	114	107.5	104	99.5	93	86	76	65.5	53.5	41	28	3"	58	1348
SMC6 60/10E	60177251	6"	18.5	25		135	126.5	119.5	115.5	110.5	103.5	95.5	84.5	72.5	59	45	31	3"	64	1463
SMC6 60/11E	60177252	6"	22	30		148	139.5	131.5	127	121.5	113.5	104.5	93	79.5	65	49.5	34	3"	69	1578
SMC6 60/12E	60177253	6"	22	30		161.5	152	143	138.5	132.5	124	114	101	87	70.5	54	36.5	3"	74	1693
SMC6 60/14E	60177254	6"	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
SMC6 60/16E	60177255	6"	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
SMC6 60/18F	60177256	6"	37	50		238	225	213.5	206	196.5	183	167	148.5	128	105	80	52.5	3"	106	2383
SMC6 60/20E	60177257	6"	37	50		269.5	255	242	233.5	223	208	191.5	170	147	121.5	94	62.5	3"	117	2613
SMC6 60/24E	60177258	6"	45	60		323.5	306	290	280	267.5	249.5	229.5	204	176.5	145.5	112	74.5	3"	139	3073

6GF, 6GX

6" SUBMERSIBLE MOTORS



6" Submersible motors designed for pressurization, gardening and irrigation, groundwater in civil and commercial installations and for the use of water in irrigation systems, including in agriculture.

Model 6GX:

- built in AISI 316 stainless steel.
- equipped with a SiC/SiC mechanical seal.

Model 6GF:

- built in AISI 304 with cathoporesis-treated cast iron for the part immersed in water.

Built-in resin-coated stator. Cooling and lubrication through a mixture of water and glycol.

Combined with the hydraulics, it can draw water from pits of at least 6" (or tanks and cisterns).

Single-phase versions to be combined with an external panel integrating the capacitor and thermo-amperometric protection with manual reset.

Different versions available, with provision for installation of PT100 or PTC temperature sensor, also available with star-delta starting.

Flanging NEMA 6".**Insulation class** F.**Protection degree** IP68.**Cooling flow speed** min. 0.3 m/s 35°C.**Line supply tolerance** +6% / -10%.**Maximum number of starts per hour** 25/h.**Maximum operating depth** 300 m.**Horizontal operation** 5.5 HP - 50 HP.**On request** Different cable lengths, different supply voltages, single-phase version (up to 15 HP).

6GF SINGLE PHASE PSC

MODEL	STANDARD	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	P1 (W)	N (min ⁻¹)	Cos φ	η %	CABLE	
	CODE										∅ mm ²	LC (m)
6GF 3,7 KW	60169086	5	3.7	1 x 230 V ~	25	4.4	5100	2830	0.98	73	4X6	4
6GF 5,5 KW	60169088	7.5	5.5	1 x 230 V ~	33.5	4	7450	2830	0.98	74	4X6	4
6GF 7,5 KW	60169089	10	7.5	1 x 230 V ~	44	3.8	9900	2820	0.99	76	4X8	4
6GF 11 KW	60169090	15	11	1 x 230 V ~	65	3.9	14200	2820	0.99	77	4X8	4

6GF, 6GX - DIRECT STARTING

MODEL	STANDARD	MODEL	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	P1 (W)	N (min ⁻¹)	Cos φ	η %	CABLE	
	CODE		CODE										∅ mm ²	LC (m)
6GF - 4 KW	0605500	6GX - 4 KW	60141626	5.5	4	3 x 400 V ~	10.6	4.1	5290	2845	0.75	76	4x4	4
6GF - 5.5 KW	0607500	6GX - 5.5 KW	60141627	7.5	5.5	3 x 400 V ~	14	4.6	7270	2845	0.75	76	4x4	4
6GF - 7.5 KW	0610000	6GX - 7.5 KW	60121376	10	7.5	3 x 400 V ~	18	4.1	9550	2840	0.78	78	4x4	4
6GF - 9.2 KW	0612500	6GX - 9.2 KW	60141628	12.5	9.2	3 x 400 V ~	22	3.9	11460	2840	0.8	80	4x4	4
6GF - 11 KW	0615000	6GX - 11 KW	60131136	15	11	3 x 400 V ~	25.5	4.4	13860	2840	0.82	79	4x4	4
6GF - 13 KW	06179200	6GX - 13 KW	60180702	17.5	13	3 x 400 V ~	29	4.6	16100	2840	0.8	81	4x4	4
6GF - 15 KW	0620000	6GX - 15 KW	60141629	20	15	3 x 400 V ~	33.4	4.8	17960	2840	0.8	83	4x4	4
6GF - 18.5 KW	0625000	6GX - 18.5 KW	60141630	25	18.5	3 x 400 V ~	41	5.2	22300	2845	0.8	83	4x4	4
6GF - 22 KW	0630000	6GX - 22 KW	60141631	30	22	3 x 400 V ~	47	5.1	26500	2825	0.84	83	4x4	4
6GF - 26 KW	0635000	6GX - 26 KW	60206801	35	26	3 x 400 V ~	57	4.9	31100	2830	0.83	84	4X8	4
6GF - 30 KW	0640000	6GX - 30 KW	60141632	40	30	3 x 400 V ~	61.5	4.6	35130	2830	0.85	85	4x8	4
6GF - 37 KW	0650000	6GX - 37 KW	60141633	50	37	3 x 400 V ~	79.3	3.7	44200	2830	0.84	82	4x8	4
6GF - 45 KW	0660000	6GX - 45 KW	60174647	60	45	3 x 400 V ~	95	5.5	55000	2840	0.83	82	4x8	4

3 X 230 V voltages up to 22 kW available on request
SUPPLIED WITH 1 CABLE

6GF, 6GX

6" SUBMERSIBLE MOTORS

**6GF, 6GX - DIRECT STARTING WITH PT100**

MODEL	STANDARD	MODEL	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	P1 (W)	N (min ⁻¹)	Cos φ	η %	CABLE	
	CODE		CODE										∅ mm ²	LC (m)
6GF - 4 KW	60161726	6GX - 4 KW	60199842	5.5	4	3x400V~	10.6	4.1	5290	2845	0.75	76	4x4	4
6GF - 5.5 KW	60161727	6GX - 5.5 KW	60199843	7.5	5.5	3x400V~	14	4.6	7270	2845	0.75	76	4x4	4
6GF - 7.5 KW	60161728	6GX - 7.5 KW	60199844	10	7.5	3x400V~	18	4.1	9550	2840	0.78	78	4x4	4
6GF - 9.2 KW	60161729	6GX - 9.2 KW	60199845	12.5	9.2	3x400V~	22	3.9	11460	2840	0.8	80	4x4	4
6GF - 11 KW	60161730	6GX - 11 KW	60199846	15	11	3x400V~	25.5	4.4	13860	2840	0.82	79	4x4	4
6GF - 13 KW	60202137	6GX - 13 KW	60199847	17.5	13	3x400V~	29	4.6	16100	2840	0.8	81	4x4	4
6GF - 15 KW	60161731	6GX - 15 KW	60199848	20	15	3x400V~	33.4	4.8	17960	2840	0.8	83	4x4	4
6GF - 18.5 KW	60121906	6GX - 18.5 KW	60199849	25	18.5	3x400V~	41	5.2	22300	2845	0.8	83	4x4	4
6GF - 22 KW	60161733	6GX - 22 KW	60199850	30	22	3x400V~	47	5.1	26500	2825	0.84	83	4x4	4
6GF - 26 KW	60202138	6GX - 26 KW	-	35	26	3x400V~	57	4.9	31100	2830	0.83	84	4X8	4
6GF - 30 KW	60121907	6GX - 30 KW	60199851	40	30	3x400V~	61.5	4.6	35130	2830	0.85	85	4x8	4
6GF - 37 KW	60121908	6GX - 37 KW	60199852	50	37	3x400V~	79.3	3.7	44200	2830	0.84	82	4x8	4
6GF - 45 KW	60202139	6GX - 45 KW	60199853	60	45	3x400V~	95	5.5	55000	2840	0.83	82	4x8	4

Supplied with 1 cable.

3 X 230 V voltages up to 22 kW available on request

6GF, 6GX - STAR/DELTA STARTING

MODEL	STANDARD	MODEL	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	P1 (W)	N (min ⁻¹)	Cos φ	η %	CABLE	
	CODE		CODE										∅ mm ²	LC (m)
6GF - 4 KW	0605620	6GX - 4 KW	60141634	5.5	4	3x400V~	10.6	4.1	5290	2845	0.75	76	4x4	4
6GF - 5.5 KW	0607510	6GX - 5.5 KW	60141635	7.5	5.5	3x400V~	14	4.6	7270	2845	0.75	76	4x4	4
6GF - 7.5 KW	0611750	6GX - 7.5 KW	60141636	10	7.5	3x400V~	18	4.1	9550	2840	0.78	78	4x4	4
6GF - 9.2 KW	0614000	6GX - 9.2 KW	60141637	12.5	9.2	3x400V~	22	3.9	11460	2840	0.8	80	4x4	4
6GF - 11 KW	0617500	6GX - 11 KW	60141638	15	11	3x400V~	25.5	4.4	13860	2840	0.82	79	4x4	4
6GF - 13 KW	60180703	6GX - 13 KW	60180704	17.5	13	3x400V~	29	4.6	16100	2840	0.8	81	4x4	4
6GF - 15 KW	0622500	6GX - 15 KW	60141639	20	15	3x400V~	33.4	4.8	17960	2840	0.8	83	4x4	4
6GF - 18.5 KW	0627500	6GX - 18.5 KW	60141640	25	18.5	3x400V~	41	5.2	22300	2845	0.8	83	4x4	4
6GF - 22 KW	0632400	6GX - 22 KW	60133153	30	22	3x400V~	47	5.1	26500	2825	0.84	83	4x4	4
6GF - 30 KW	0642500	6GX - 30 KW	60141641	40	30	3x400V~	61.5	4.6	35130	2830	0.85	85	4x8	4
6GF - 37 KW	0650005	6GX - 37 KW	60141642	50	37	3x400V~	79.3	3.7	44200	2830	0.84	82	4x8	4
6GF - 45 KW	60174646	6GX - 45 KW	60174648	60	45	3x400V~	95	5.5	55000	2840	0.83	82	4x8	4

Supplied with 2 cables.

3 X 230 V voltages up to 22 kW available on request

6GF HEAVY DUTY

6" SUBMERSIBLE MOTORS



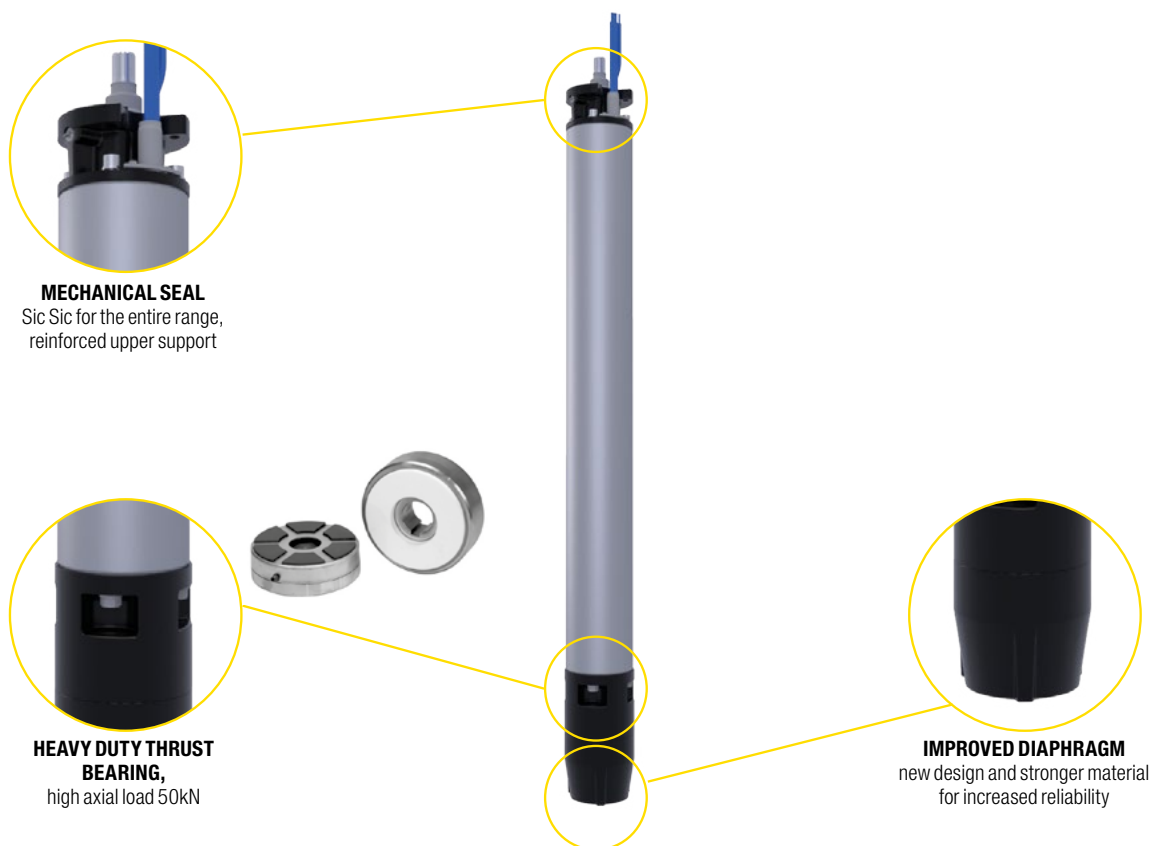
6" Submersible motor made of AISI 304 and cathaphoresis-treated cast iron.
Resin-coated stator.
Cooling and lubrication ensured by a mixture of water and glycol.
6GF Heavy Duty motors are designed for installations in very deep pits.
Variable frequency drive support (30 Hz - 50 Hz).
Available with direct or star-delta starting, protection must be provided by the user, available with additional PT100 or PTC temperature sensor.

Maximum operating depth 300 m.
Flanging NEMA 6".
Maximum number of starts per hour 25/h.
Protection degree IP68.
Insulation class F.
Cooling flow speed min. 0.3 m/s 35°C.
Max axial thrust 50 kN.
Three-phase power supply 3x400 V 50 Hz / 3x460 V 60 Hz.
Line supply tolerance +6% / -10%.
Power cable 4 m.
Type of installation possible Vertical.
Special versions available on request
Available with additional PT100 or PTC temperature sensor. Voltage and power cables of different lengths.
Certificates ACS, WRAS and KTW certified cable.



6GF, 6GX - DIRECT STARTING

MODEL	STANDARD	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	P1 (W)	N (min ⁻¹)	Cos φ	η %	CABLE	
	CODE										∅ mm ²	LC (m)
6GF - 22 KW HEAVY DUTY	60202069	30	22	3x400 V ~	47	5.1	26500	2825	0.84	83	4x6	4
6GF - 30 KW HEAVY DUTY	60202070	40	30	3x400 V ~	61.5	4.6	35500	2830	0.85	85	4x8	4
6GF - 37 KW HEAVY DUTY	60202071	50	37	3x400 V ~	79.3	3.7	45000	2830	0.84	82	4x8	4
6GF - 45 KW HEAVY DUTY	60202072	60	45	3x400 V ~	95	5.5	55000	2840	0.83	82	4x8	4



MECHANICAL SEAL
Sic Sic for the entire range,
reinforced upper support

HEAVY DUTY THRUST BEARING,
high axial load 50kN

IMPROVED DIAPHRAGM
new design and stronger material
for increased reliability

TR 6

6" SUBMERSIBLE MOTORS



6" Rewindable submersible motor. Designed for pressurization, groundwater and in agricultural irrigation systems.

Motor liner in AISI 304 stainless steel.

Rewindable stator available with PE2+PA windings allowing the motor to be used in special applications and/or with variable frequency drives.

Cooling and lubrication through a mixture of water and glycol. Rotor mounted on a Mitchell thrust bearing unit to support high axial loads.

Only available in three-phase version with provision for installation of PT100 or PTC temperature sensor. Versions with direct or star/delta starting, supplied with 5 m single-core cables directly connected to the winding and earthing cable. WRAS and ACS certified cables.

Electrical protection must be provided by the user.

Available in AISI 316 stainless steel, TR 6 N version, and AISI 904 stainless steel, TR 6 R version.

Motor to be combined with a pump body.

Flanging NEMA 6".

Protection degree IP68.

Cooling flow speed 0.5 m/s.

Line supply tolerance +6% / -10%.

Maximum number of starts per hour 15/h.

Maximum operating depth 300 m.

Horizontal operation 5.5 HP - 50 HP.



DIRECT STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR607 - 5,5 KW	60146662	60146684	7.5	5.5	3x400V~	13.7	3.5	2870	4x6	5
TR610 - 7,5 KW	60146663	60146685	10	7.5	3x400V~	18.2	3.6	2860	4x6	5
TR612 - 9,2 KW	60146664	60146686	12.5	9.2	3x400V~	21.7	3.5	2850	4x6	5
TR615 - 11 KW	60146665	60146687	15	11	3x400V~	26.2	3.7	2860	4x6	5
TR617 - 13KW	60146667	60146688	17.5	13	3x400V~	30.5	3.8	2850	4x6	5
TR620 - 15 KW	60146668	60146689	20	15	3x400V~	34.8	4.2	2860	4x6	5
TR625 - 18,5 KW	60146669	60146690	25	18.5	3x400V~	41.4	4.5	2860	4x6	5
TR630 - 22 KW	60146670	60146691	30	22	3x400V~	49	5.5	2880	4x6	5
TR635 - 26 KW	60146671	60146692	35	26	3x400V~	58.1	5.7	2880	4x6	5
TR640 - 30 KW	60146672	60146693	40	30	3x400V~	64.9	5	2870	4x10	5
TR650 - 37 KW	60146673	60146694	50	37	3x400V~	80.5	5.1	2860	4x10	5
TR660 - 45 KW	60161601	60164305	60	45	3x400V~	93.1	5.1	2825	4x10	5

Supplied with 1 cable.

STAR/DELTA STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR617 - 13KW	60146676	-	17.5	13	3x400V~	30.5	3.8	2850	4x6	5
TR620 - 15 KW	60146677	60146697	20	15	3x400V~	34.8	4.2	2860	4x6	5
TR625 - 18,5 KW	60146678	60146698	25	18.5	3x400V~	41.4	4.5	2860	4x6	5
TR630 - 22 KW	60146679	60146699	30	22	3x400V~	49	5.5	2880	4x6	5
TR635 - 26 KW	60146681	60146700	35	26	3x400V~	58.1	5.7	2880	4x6	5
TR640 - 30 KW	60146682	60146701	40	30	3x400V~	64.9	5	2870	4x6	5
TR650 - 37 KW	60146683	60146702	50	37	3x400V~	80.5	5.1	2860	4x6	5
TR660 - 45 KW	60164307	60164306	60	45	3x400V~	93.1	5.1	2825	4x6	5

Supplied with 2 cables.

SS 7

7" SUBMERSIBLE ELECTRIC PUMPS



Submersible **semi-axial** multistage electric pumps for 7" or larger pits, capable of generating a wide range of flow rates. Designed for lifting, distribution and pressurization in civil and industrial water systems, autoclave and cistern feeding, firefighting and washing systems, irrigation systems. Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Pump body and impellers in AISI 304 or AISI 316 pressed steel. Pump equipped with a low pressure drop non-return valve.

For variable frequency drive operation please refer to the specifications of the coupled motor.

Operating range 110 m³/h with head up to 423 m.

Maximum permitted quantity of sand 50g/m³.

Maximum ambient temperature 30°C (50°C available on request).

Delivery (Threaded) 5".

Coupled with 6" or 8" motors depending on the power required by the hydraulics and available in standard or stainless steel version:

6GF: 6" built-in submersible motor.

TR 6: 6" rewindable submersible motor.

TR 8: 8" rewindable submersible motor.

SS 7A HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA											DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m ³ /h	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	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	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 ELECTRIC PUMPS



SS 7B HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³/h		0.0	20.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	115					
				KW	HP	Q=l/sec	0.0	5.6	11.1	13.9	16.7	19.4	22.2	25	27.8	31.9						
SS7B 01	60168045	60188350	6"	5.5	7.5	H (m)	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		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			

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SS 8

8" SUBMERSIBLE ELECTRIC PUMPS



Submersible **semi-axial** multistage electric pumps for 8" or larger pits, capable of generating a wide range of flow rates. Designed for lifting, distribution and pressurization in civil and industrial water systems, autoclave and cistern feeding, firefighting and washing systems, irrigation systems. Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Pump body and impellers in AISI 304 or AISI 316 pressed steel. Pump equipped with a low pressure drop non-return valve.

For variable frequency drive operation please refer to the specifications of the coupled motor.

Operating range 210 m³/h with head up to 555 m.

Maximum permitted quantity of sand 50g/ m³.

Maximum ambient temperature 30°C (50°C available on request).

Delivery (Threaded) 6".

Coupled with 6", 8" or 10" motors depending on the power required by the hydraulics and available in standard or stainless steel version:
6GF: 6" built-in submersible motor.
TR 6: 6" rewindable submersible motor.
TR 8: 8" rewindable submersible motor.
TR 10: 10" rewindable submersible motor.

SS 8A HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM GAS	WEIGHT KG	H mm		
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m ³ /h		H(m)																
				kW	HP	Q=l/sec	0	8.3	19.4	22.2	25	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 11	60168117	60201981	8"	92	125	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 ELECTRIC PUMPS



SS 8B HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³h												
				KW	HP	0	40	70	90	120	130	140	150	160	170			
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	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 8C HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m³h												
				KW	HP	0	50	70	90	110	130	150	170	190	210			
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	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

SMC 8

8" SUBMERSIBLE ELECTRIC PUMPS



8" Semi-axial multi-impeller submersible pump with cast iron pump body.

Designed for pressurization, groundwater in civil and commercial installations and for use in irrigation systems, including in agriculture.

The SMC 8 pump allows water to be taken from pits (at least 8" in diameter), cisterns or tanks and also used in agriculture in irrigation systems.

Different impeller types are available to ensure the best efficiency at different flow rates and models with up to 18 impellers are available to cover a wide range of heads.

Threaded delivery port.

Pump equipped with a low pressure drop non-return valve.

The pump complies with DM174 for use with drinking water.

The package contains the two cable covers to be used according to the type of starter (direct or star/delta).

Coupled with 6" to 8" motors depending on the power required by the hydraulics:

6GF: 6" built-in submersible motor

TR 6: 6" rewindable submersible motor

TR 8: 8" rewindable submersible motor

For variable frequency drive operation please refer to the specifications of the coupled motor.

Operating range Up to 192 m³/h; head up to 500 m.

Maximum immersion depth Value depends on motor.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral.

Maximum permitted quantity of sand 80g/m³.

Liquid temperature 0 °C to +30 °C.

Maximum working pressure Value depends on motor.

Flanging or threading 5".

Maximum pump diameter 203 mm.

Impeller construction material Precision cast AISI 304 stainless steel.

Pump protection degree IP68.

Single-phase power supply Not available.

Three-phase power supply 3x230 V 50 Hz / 3x400 V 50 Hz.

Power cable length and plug type Value depends on motor (all without plug).

Type of installation possible Fixed in a vertical position. Horizontal installation permitted by removing the non-return valve and installing a cooling liner (check the applicability of the motor for horizontal use in the dedicated section).

SMC 8 60 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA															DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m ³ h	0	24	36	42	48	54	60	66	72	78	84	90					
			kW	HP	Q=l/min	0	400	600	700	800	900	1000	1100	1200	1300	1400	1500					
SMC8.1 60/2T	60211508	6"	7.5	10	H(m)	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		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 ELECTRIC PUMPS



SMC 8 85 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m³/h	0	24	36	54	72	78	84	90	96	102	108	120				
			kW	HP	Q=l/min	0	400	600	900	1200	1300	1400	1500	1600	1700	1800	2000				
SMC8.1 85/2H	60211525	6"	7.5	10	H(m)	47.5	37.5	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	60211534	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	60211532	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	60211531	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		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	60211530	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	60211536	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	60211539	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	60211535	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	60211537	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	60211538	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	

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SMC 8

8" SUBMERSIBLE ELECTRIC PUMPS



SMC 8 110 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA												DNM	WEIGHT KG	H mm	
			P2 NOMINAL REQUIRED		Q=m³h	0	36	66	84	96	102	108	114	120	126	138				156
			kW	HP	Q=l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300				2600
SMC8 110/2H	60177324	6"	13	17.5	H (m)	47.5	42.5	39.5	37	35.5	34.5	33.5	32	30.5	28.5	24.5	17	5"	36	729
SMC8 110/3G	60177325	6"	18.5	25		69.5	63	57.5	53	50.5	49	47	45	42	39.5	33	22	5"	46	886
SMC8 110/3B	60177326	6"	22	30		76	69	64	60.5	57.5	56	54	51.5	49	46	39	27.5	5"	46	886
SMC8 110/4F	60177327	6"	26	35		95	87.5	80.5	75.5	72	69.5	67	63.5	60	56	47.5	32.5	5"	56	1043
SMC8 110/5I	60177443	6"	30	40		112.5	103.5	95	89	84	81.5	78	74	69.5	64.5	53.5	35.5	5"	66	1200
SMC8 110/5F	60177444	6"	37	50		118	109.5	101.5	95.5	91	88	85	80.5	76	71	60.5	41.5	5"	66	1200
SMC8 110/6H	60177445	6"	37	50		137.5	126	117	109.5	103.5	100	96	90.5	85	79	66	45	5"	76	1357
SMC8 110/6F	60177446	8"	45	60		144.5	134	124.5	117.5	112	109	105.5	100.5	95	89	76	53.5	5"	76	1357
SMC8 110/6B	60177447	8"	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
SMC8 110/7C	60177448	8"	55	75		178.5	165.5	154	146	139	135	130.5	124.5	117.5	110	92.5	63.5	5"	86	1514
SMC8 110/9L	60177449	8"	55	75		200.5	186	171.5	161.5	154	149	143	136	127.5	118.5	98.5	66	5"	106	1828
SMC8 110/9G	60177450	8"	63	85		209	194.5	180	170	162	157	152	146	137.5	128.5	108.5	74.5	5"	106	1828
SMC8 110/9B	60177451	8"	75	100		225.5	212	196.5	185.5	176.5	171.5	165.5	159	150.5	141	121	88	5"	106	1828
SMC8 110/10B	60177452	8"	75	100		251	235.5	218	206	196	190.5	184	177	167.5	157	134.5	97.5	5"	116	1985
SMC8 110/11B	60177453	8"	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
SMC8 110/13E	60177454	8"	92	125		313	294	272	257	244.5	238	230	221	209	196.5	167.5	117.5	5"	146	2456
SMC8 110/14C	60177455	8"	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
SMC8 110/15C	60177456	8"	110	150		376	353	327.5	309	294	285.5	276	265.5	251	235.5	201.5	146.5	5"	166	2770

SMC 8 135 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA												DNM	WEIGHT KG	H mm	
			P2 NOMINAL REQUIRED		Q=m³h	0	36	72	96	108	120	132	144	156	168	180				192
			kW	HP	Q=l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000				3200
SMC8 135/2M	60177457	6"	13	17.5	H (m)	47.5	42	37.5	34.5	33	30.5	28	24.5	20.5	16	12	8.5	5"	43	729
SMC8 135/2F	60177458	6"	15	20		52	46	41	38.5	36.5	34.5	32	29	25	21	16.5	12	5"	43	729
SMC8 135/2C	60177459	6"	18.5	25		55	48.5	43.5	41	39	37	34.5	31	27	23	19	15.5	5"	43	729
SMC8 135/3N	60177460	6"	18.5	25		63.5	58.5	53.5	49	45.5	42	37	32	26	20	14	-	5"	55	886
SMC8 135/3L	60177461	6"	22	30		70	64	57.5	53	50.5	47	42.5	37.5	31.5	25	19	13.5	5"	55	886
SMC8 135/3B	60177462	6"	26	35		82.5	75	68.5	64	61	58	54.5	49.5	43	36	29.5	22	5"	55	886
SMC8 135/4E	60177463	6"	30	40		101	90	82	76.5	72.5	68.5	63	56.5	49.5	41.5	33	24	5"	67	1043
SMC8 135/4C	60177464	6"	37	50		106	95	88	82	78	73.5	68	61.5	54	45.5	36.5	26.5	5"	67	1043
SMC8 135/5F	60177465	6"	37	50		121.5	111	101.5	94	89	84	77.5	69	60	50	39.5	28	5"	79	1200
SMC8 135/5E	60177466	8"	45	60		128.5	118	108	100	95.5	90.5	84.5	77	68	58.5	47.5	35.5	5"	81	1200
SMC8 135/6F	60177467	8"	45	60		151	135.5	125	116	110.5	104	96.5	86.5	76	64	51.5	38	5"	93	1357
SMC8 135/7G	60177468	8"	55	75		176	159.5	147	137	130.5	123	114	102	89	75	60	44.5	5"	105	1514
SMC8 135/7E	60177469	8"	55	75		181	164	151.5	141.5	135.5	128	119	107	94	80	65	49.5	5"	105	1514
SMC8 135/8G	60177470	8"	63	85		201.5	182	168	156.5	149.5	140.5	130	117	102	85.5	68.5	51	5"	117	1671
SMC8 135/9G	60177471	8"	75	100		220	200.5	185	171.5	163	153.5	141.5	127	110.5	93	74	54	5"	129	1828
SMC8 135/9C	60177472	8"	75	100		238	219.5	201.5	187	178.5	169	158	143.5	128	110.5	91	69.5	5"	129	1828
SMC8 135/11C	60177473	8"	92	125		291	268.5	246.5	228.5	218	206.5	193	175.5	156.5	135	111	85	5"	154	2142
SMC8 135/13C	60177474	8"	110	150		343.5	317	291	270	258	244	228	207.5	185	159.5	131.5	100.5	5"	178	2456

SMN 8

8" SUBMERSIBLE ELECTRIC PUMPS



8" Semi-axial multi-impeller submersible pump in AISI 316 stainless steel for clean water.

Designed for groundwater.

The SMN 8 pump is used to increase the pressure of water taken from pits (at least 8" in diameter), cisterns or tanks.

Different impeller types are available to ensure the best efficiency at different flow rates and models with up to 17 impellers are available to cover a wide range of heads.

Impellers made entirely in precision cast AISI 316 stainless steel. Threaded delivery port.

Pump equipped with a low pressure drop non-return valve. Complies with DM174 for use with water for human consumption.

The package contains the two cable covers to be used according to the type of starter (direct or star/delta).

Operating range up to 192 m³/h with head up to 466 m.

Type of liquid pumped Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral. AISI 316 stainless steel version also suitable for aggressive solutions and/or salt water.

Maximum number of starts per hour refer to the coupled motor.

Cooling flow refer to the coupled motor.

Maximum permitted quantity of sand 100 g/m³.

Ambient temperature +30°C.

Recommended minimum suction level 1.5 m.

Installation Horizontal or vertical.

Coupled with 6" to 8" motors depending on the power required by the hydraulics:

6GX: 6" built-in submersible motor

TR 6: 6" rewindable submersible motor in AISI 316 or DUPLEX version

TR 8: 8" rewindable submersible motor in AISI 316 or DUPLEX version

For variable frequency drive operation please refer to the specifications of the coupled motor.

ACCESSORIES
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SMN 8 60 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm	MOTOR ACC.
		P2 NOMINAL REQUIRED		Q=m ³ /h	0	24	30	42	48	54	60	66	72	78	84	90					
		kW	HP	Q=l/min	0	400	500	700	800	900	1000	1100	1200	1300	1400	1500					
SMN8 60/1E	60177674	4	5.5	H(m)	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		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 ELECTRIC PUMPS



SMN 8 85 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA												DNM	WEIGHT KG	H mm	MOTOR ACC.	
		P2 NOMINAL REQUIRED		Q=m³h	0	36	60	66	72	78	84	90	96	102	108					114
		kW	HP	Q=l/min	0	600	1000	1100	1200	1300	1400	1500	1600	1700	1800					1900
SMN8 85/1A	60177691	5.5	7.5	H (m)	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		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"	

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SMN 8

8" SUBMERSIBLE ELECTRIC PUMPS



SMN 8 110 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm	MOTOR ACC.
		P2 NOMINAL REQUIRED		Q=m³h	0	36	66	84	96	102	108	114	120	126	138	156					
		kW	HP	Q=l/min	0	600	1100	1400	1600	1700	1800	1900	2000	2100	2300	2600					
SMN8 110/2H	60177710	13	17.5	H(m)	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"		

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SMN 8

8" SUBMERSIBLE ELECTRIC PUMPS



SMN 8 135 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA													DNM	WEIGHT KG	H mm	MOTOR ACC.
		P2 NOMINAL REQUIRED		Q=m³h	0	36	72	96	108	120	132	144	156	168	180	192				
		kW	HP	Q=l/min	0	600	1200	1600	1800	2000	2200	2400	2600	2800	3000	3200				
SMN8 135/2M	60177728	13	17.5	H(m)	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"	

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

TR 8

8" SUBMERSIBLE MOTOR



8" Rewindable asynchronous submersible motor. Designed for pressurization, groundwater and for using water in agricultural irrigation systems.

Rotor mounted on a Mitchell thrust bearing unit to support high axial loads.

Motor liner in AISI 316 stainless steel.

Rewindable stator available with PE2+PA windings allowing the motor to be used in special applications and/or with variable frequency drives.

Cooling and lubrication through a mixture of water and glycol. Versions with direct or star/delta starting, two- or four-pole, supplied with 8 m single-core cables directly connected to the winding and earthing cable.

WRAS and ACS certified cables. Three-phase version includes provision for installation of PT100 or PTC temperature sensor.

Available in AISI 316 stainless steel (TR 8 N version) and AISI 904 stainless steel (TR 8 R version).

Motors to be coupled to a pump body.

Flanging NEMA 8".

Protection degree IP68.

Cooling flow speed 0.5 m/s.

Line supply tolerance +6% / -10%.

Maximum number of starts per hour 10/h.

Maximum operating depth 300 m.

Maximum working pressure 60 bar.

Horizontal operation 30 HP - 125 HP.



DIRECT STARTING

MODEL	STANDARD		AISI 316		P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA	Ø mm ²	LC (m)								
	CODE	CODE										
TR840 - 30 KW	60144600	60146759	40	30	3x400V ~	61	5.7	2890	4x16	8		
TR850 - 37 KW	60144601	60146760	50	37	3x400V ~	75	5.7	2890	4x16	8		
TR860 - 45 KW	60144602	60146761	60	45	3x400V ~	92	6	2910	4x16	8		
TR875 - 55 KW	60144603	60146762	75	55	3x400V ~	109	5.9	2900	4x16	8		
TR885 - 63 KW	60144604	60146763	85	63	3x400V ~	126	5.7	2910	4x16	8		
TR8100 - 75 KW	60144605	60146764	100	75	3x400V ~	145	5.8	2910	4x16	8		
TR8125 - 92 KW	60144606	60146765	125	92	3x400V ~	177	5.9	2890	4x25	8		
TR8150 - 110 KW	60144607	60146767	150	110	3x400V ~	213	5.8	2890	4x25	8		

Supplied with 1 cable.

STAR/DELTA STARTING

MODEL	STANDARD		AISI 316		P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA	Ø mm ²	LC (m)								
	CODE	CODE										
TR840 - 30 KW	60144610	60146768	40	30	3x400V ~	61	5.7	2890	4x10	8		
TR850 - 37 KW	60144611	60146769	50	37	3x400V ~	75	5.7	2890	4x10	8		
TR860 - 45 KW	60144612	60146770	60	45	3x400V ~	92	6	2910	4x10	8		
TR875 - 55 KW	60144613	60146771	75	55	3x400V ~	109	5.9	2900	4x16	8		
TR885 - 63 KW	60144614	60146772	85	63	3x400V ~	126	5.7	2910	4x16	8		
TR8100 - 75 KW	60144615	60146773	100	75	3x400V ~	145	5.8	2910	4x16	8		
TR8125 - 92 KW	60144616	60146774	125	92	3x400V ~	177	5.9	2890	4x16	8		
TR8150 - 110 KW	60144617	60146775	150	110	3x400V ~	213	5.8	2890	4x16	8		

Supplied with 2 cables.

SS 10

10" SUBMERSIBLE ELECTRIC PUMPS



Submersible **semi-axial** multistage electric pumps for 10" or larger pits, capable of generating a wide range of flow rates. Designed for lifting, distribution and pressurization in civil and industrial water systems, autoclave and cistern feeding, firefighting and washing systems, irrigation systems.
Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Pump body and impellers in AISI 304 or AISI 316 pressed steel.
Pump equipped with a low pressure drop non-return valve.

For variable frequency drive operation please refer to the specifications of the coupled motor.

Operating range 290 m³/h with head up to 385 m.

Maximum permitted quantity of sand 50g/m³.

Maximum ambient temperature 30°C (50°C available on request).

Delivery (Threaded) 6".

Coupled with 6", 8" or 10" motors depending on the power required by the hydraulics and available in both standard and entirely stainless steel version.

6GF: 6" built-in submersible motor.

TR 6: 6" rewindable submersible motor.

TR 8: 8" rewindable submersible motor.

TR 10: 10" rewindable submersible motor.

SS 10A HYDRAULICS

MODEL	STANDARD	AISI 316	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA										DNM GAS	WEIGHT KG	H mm	
	HYDRAULICS CODE	HYDRAULICS CODE		P2 NOMINAL REQUIRED		Q=m ³ /h	0	50	100	140	180	200	220	240	260				290
				kW	HP	Q=l/min	0	13.9	27.8	38.9	50	55.6	61.1	66.7	72.2				80.6
SS10A01.B1	60168180	60202026	6"	15	20	H(m)	29	27	25	22	20	19	18	16	15	11	6"	44	794
SS10A01	60169211	60202025	6"	18.5	25		39	36	33	30	27	25	24	22	19	15	6"	44	794
SS10A02.B2	60169212	60202027	6"	30	40		58	54	49	44	40	37	35	32	29	22	6"	55	970
SS10A02	60168182	60179063	6"	37	50		77	72	66	59	53	50	47	44	39	30	6"	55	970
SS10A03.B3	60169467	60202028	8"	45	60		87	81	74	66	59	56	53	49	44	34	6"	66	1147
SS10A03.B1	60169468	60184904	8"	55	75		106	99	91	81	73	69	65	60	53	41	6"	66	1147
SS10A03	60169469	60202030	8"	63	85		116	108	99	89	80	75	71	65	58	45	6"	66	1147
SS10A04.B2	60169470	60202031	8"	75	100		135	126	115	103	93	88	82	76	68	53	6"	76	1323
SS10A04	60168185	60182311	8"	75	100		155	145	132	119	106	100	94	87	78	60	6"	76	1323
SS10A05	60168186	60202032	8"	92	125		194	181	165	148	133	125	118	109	97	75	6"	87	1499
SS10A06	60168187	60202033	8"	110	150	232	217	198	178	159	151	141	131	117	91	6"	98	1675	
SS10A07	60168188	60202034	10"	132	180	271	253	231	207	186	176	165	152	136	106	6"	109	1851	
SS10A08	60168189	60202035	10"	147	200	310	289	264	237	212	201	189	174	156	121	6"	119	2028	
SS10A09	60168190	60202036	10"	170	230	349	325	298	267	239	226	212	196	175	136	6"	130	2204	
SS10A10	60168191	60202037	10"	190	260	387	362	331	296	265	251	236	218	195	151	6"	141	2380	

SMC 10

10" SUBMERSIBLE ELECTRIC PUMPS



Submersible semi-axial multistage electric pumps for 10" or larger pits, capable of generating a wide range of flow rates and heads. Designed for lifting, distribution and pressurization in industrial water systems, autoclave and cistern feeding, firefighting systems, irrigation systems.

Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Cathaphoresis-treated cast iron pump body and AISI 304 stainless steel precision cast impellers dynamically balanced and keyed to the shaft. Shaft guided by coaxial bush bearings and fully protected by bushings.

Pump equipped with a low pressure drop non-return valve. Flanged delivery port and supplied with counterflange kit, bolts and seals.

For the electrical characteristics of the submersible motors and variable frequency drive operation specifications, please refer to the specific model data sheets.

Operating range up to 400 m³/h with head up to 453 m.

Pumped liquid Clean, free of solids or abrasive substances, chemically neutral close to the characteristics of water.

Starts/hour refer to the coupled motor.

Cooling flow refer to the coupled motor.

Maximum permitted quantity of sand 40 gr/m³.

Ambient temperature +30°C.

Recommended minimum suction level m 2.

Installation horizontal or vertical.

Coupled with 6", 8" or 10" motors depending on the power required by the hydraulics and available in both standard and entirely stainless steel version.

6GF: 6" built-in submersible motor.

TR 6: 6" rewindable submersible motor.

TR 8: 8" rewindable submersible motor.

TR 10: 10" rewindable submersible motor.

SMC 10 200 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		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	6"	11	15	H(m)	32	25.5	24	22	20.5	19	17.5	16.5	15	12.5	9	-	6"	66	687	
SMC10 200/1L	60177476	6"	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	
SMC10 200/1H	60177477	6"	15	20		40	33	30.5	29	27	25.5	24	23	21.5	19	16	12	6"	66	687	
SMC10 200/1G	60177478	6"	18.5	25		41	34	32	30	28	26.5	25	24	22.5	20	17	13	6"	66	687	
SMC10 200/1C	60177479	6"	18.5	25		45	37	34.5	32.5	30.5	29	27.5	26	24.5	22	18.5	14	6"	66	687	
SMC10 200/1A	60177480	6"	22	30		48	39	36.5	34.5	32.5	31.5	29.5	28.5	27	24	19.5	14	6"	66	687	
SMC10 200/2M	60177481	6"	22	30		64	51.5	48	44.5	41	38.5	35.5	33	30	25.5	17.5	-	6"	92	847	
SMC10 200/2L	60177482	6"	26	35		70.5	58.5	55	52	48.5	46	43	40.5	37.5	32.5	24	14.5	6"	92	847	
SMC10 200/2H	60177483	6"	30	40		79.5	66	62	58.5	55	52	48.5	46	43	38	30	20.5	6"	92	847	
SMC10 200/2G	60177484	8"	37	50		84	70.5	66.5	62.5	59	56	52.5	50	47	41.5	34	25	6"	92	867	
SMC10 200/2E	60177485	6"	37	50		90	77	72	68	64	61	58	56	53	48	40.5	31	6"	92	867	
SMC10 200/2B	60177486	8"	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	
SMC10 200/3H	60177487	8"	45	60		117	99	93.5	89	84	80	75.5	72	67.5	59.5	47.5	33	6"	118	1047	
SMC10 200/3G	60177488	8"	55	75		130	110	104	98.5	93	88.5	84	80	75.5	67.5	56	42	6"	118	1047	
SMC10 200/3E	60177489	8"	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	
SMC10 200/3B	60177490	8"	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	
SMC10 200/4G	60177491	8"	75	100		168.5	142.5	134.5	128	121	115	108.5	104	97.5	86.5	70.5	51	6"	162	1227	
SMC10 200/4D	60177492	8"	75	100		183.5	156	148	141	133.5	128	121.5	117	110.5	100	84	65.5	6"	162	1227	
SMC10 200/5I	60177493	8"	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	
SMC10 200/5F	60177494	8"	92	125		224	192	180.5	171.5	163	157	150	144.5	137	124	104	80	6"	187	1583	
SMC10 200/6I	60177495	8"	92	125	241	204.5	193.5	184.5	174.5	166.5	156.5	149.5	140	124	99	69	6"	213	1755		
SMC10 200/6F	60177496	8"	110	150	269	230	216.5	205.5	195.5	188.5	180	173	164	149	124.5	96	6"	213	1671		
SMC10 200/7H	60177497	8"	110	150	283	241.5	227.5	216.5	205.5	197	186.5	178.5	167	147.5	118	83	6"	239	1851		
SMC10 200/7E	60177498	10"	132	180	319	271	256.5	244	231.5	222	211	203	192.5	174	148	116.5	6"	239	1851		
SMC10 200/8D	60177499	10"	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		
SMC10 200/9D	60177500	10"	170	230	412	353.5	332.5	316	300.5	288.5	275.5	266	252.5	229	194	152.5	6"	290	2211		
SMC10 200/10E	60177501	10"	190	260	453	388	365	347	330	317	302	291.5	276.5	250	211	165	6"	316	2391		

SMC 10

10" SUBMERSIBLE ELECTRIC PUMPS



SMC 10 320 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m³/h	0	120	150	180	210	240	270	300	330	360	390	420				
			kW	HP	Q=l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000				
SMC10 320/10	60177502	6"	22	30	H (m)	34	27.5	26.5	25.5	24.5	23.5	22	20	16.5	12.5	-	-	6"	64.5	703	
SMC10 320/1M	60177503	6"	26	35		36	29.5	28.5	27.5	27	26	25	22.5	19.5	16	12.5	-	-	6"	64.5	703
SMC10 320/1F	60177504	6"	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	
SMC10 320/1D	60177505	6"	37	50		43.5	34.5	33	32	31.5	31	30.5	29	26	22.5	18.5	14	6"	64.5	703	
SMC10 320/1B	60177506	6"	37	50		46	37	35	34.5	33.5	33	32.5	31	28.5	25	21	16.5	6"	65.5	703	
SMC10 320/2P	60177507	8"	45	60		62	52	50.5	49	47	44	40.5	35.5	29	22	-	-	6"	91	898	
SMC10 320/2N	60177508	8"	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	
SMC10 320/2M	60177509	8"	55	75		71	61	59	57.5	55.5	53.5	50.5	46.5	41	34	27	19.5	6"	91	898	
SMC10 320/2H	60177510	8"	55	75		72	64	61.5	60	58.5	56.5	54	50.5	45.5	38.5	31	21	6"	91	898	
SMC10 320/2D	60177511	8"	63	85		77	67	65	63.5	62	60.5	58	54.5	49.5	43	35.5	27	6"	91	898	
SMC10 320/3I	60177512	8"	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	
SMC10 320/3C	60177513	8"	92	125		117.5	104.5	102	99	96	94	91	86	79.5	70	57	41	6"	116	1177	
SMC10 320/4G	60177514	8"	110	150		150	134.5	130	126.5	123	119	113.5	106.5	96.5	84.5	71	56	6"	160	1372	
SMC10 320/4B	60177515	10"	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	
SMC10 320/5L	60177516	10"	132	180		181	162	157	152.5	148	142.5	136	127	114.5	99	81.5	63	6"	185.5	1568	
SMC10 320/5E	60177517	10"	150	200		196	177.5	172	167	162.5	157	150.5	141.5	129	114.5	98	79.5	6"	185.5	1568	
SMC10 320/6G	60177518	10"	170	230		225	201.5	195.5	190	184.5	178	170	160	145	127	106	83.5	6"	211	1763	
SMC10 320/7L	60177519	10"	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	

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

SMN 10

10" SUBMERSIBLE ELECTRIC PUMPS



10" Semi-axial multi-impeller submersible pump in AISI 316 stainless steel for clean water.
 Designed to increase the pressure of water taken from pits (at least 10" in diameter), cisterns or tanks and for use in agricultural irrigation systems.
 Different impeller types are available to ensure the best efficiency at different flow rates and models with up to 7 impellers are available to cover a wide range of heads.
 Impellers made entirely in precision cast AISI 316 stainless steel.
 Pump equipped with a low pressure drop non-return valve.
 Complies with DM174 for use with water for human consumption.
 The package contains the two cable covers to be used according to the type of starter (direct or star/delta).

Operating range up to 420 m³/h with head up to 253 m.

Pumped liquid Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral. AISI 316 stainless steel version also suitable for aggressive solutions and/or salt water.

Starts/hour refer to the coupled motor.

Cooling flow Refer to the coupled motor.

Maximum permitted quantity of sand 100 g/m³.

Ambient temperature +30°C.

Recommended minimum suction level 1.5 m.

Installation horizontal or vertical.

Coupled with 6" to 10" motors depending on the power required by the hydraulics:

- 6GX:** 6" built-in submersible motor
- TR 6:** 6" rewindable submersible motor in AISI 316 or DUPLEX version
- TR 8:** 8" rewindable submersible motor in AISI 316 or DUPLEX version
- TR 10:** 10" rewindable submersible motor in AISI 316 or DUPLEX version

For variable frequency drive operation please refer to the specifications of the coupled motor.

ACCESSORIES
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SMN 10 320 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm	MOTOR ACC.
		P2 NOMINAL REQUIRED		Q=m ³ /h	0	120	150	180	210	240	270	300	330	360	390	420					
		kW	HP		Q=l/min	0	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000				
SMN10 320/10	60177746	22	30	H(m)	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		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"		

TR 10

10" SUBMERSIBLE MOTOR



10" Rewindable asynchronous submersible motor. Designed for pressurization, groundwater from pits and for using water in agricultural irrigation systems. Liner in AISI 316 stainless steel. Rewindable stator available with PVC or PE2+PA windings allowing the motor to be used in special applications and/or with variable frequency drives. Rotor mounted on a Mitchell self-centring thrust bearing unit capable of withstanding high axial loads. Cooling and lubrication through a mixture of water and glycol. Versions with direct or star/delta starting, two- or four-pole, supplied with 8 m single-core cables directly connected to the winding and earthing cable. ACS, WRAS certified cables. Only available in three-phase version with provision for installation of PT100 or PTC temperature sensor. Available in AISI 316 stainless steel (TR 10 N version) and AISI 904 stainless steel (TR 10 R version). Motors to be coupled to a pump body.

Flanging 10".
Protection degree IP68.
Cooling flow speed 0.5 m/s.
Supply tolerance +6% / -10%.
Maximum no. of starts 8/h.
Max operating depth 300 m.
Maximum working pressure 60 bar.
Horizontal operation 100 HP - 230 HP.



DIRECT STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR10100 - 75 KW	60146838	60146852	100	75	3x400V~	148	5.4	2910	4x50	8
TR10125 - 92 KW	60146839	60146853	125	92	3x400V~	185	5.6	2910	4x50	8
TR10150 - 110 KW	60146840	60146854	150	110	3x400V~	217	5.7	2910	4x50	8
TR10180 - 132 KW	60146841	60146855	180	132	3x400V~	257	5.7	2910	4x50	8
TR10200 - 147 KW	60146842	60146856	200	147	3x400V~	300	6.2	2920	4x50	8
TR10230 - 170 KW	60146843	60146857	230	170	3x400V~	348	6	2920	4x50	8
TR10260 - 190 KW	60146844	60146858	260	190	3x400V~	405	5.9	2930	4x50	8

Supplied with 1 cable.

STAR/DELTA STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR10100 - 75 KW	60146845	60146859	100	75	3x400V~	148	5.4	2910	4x35	8
TR10125 - 92 KW	60146846	60146860	125	92	3x400V~	185	5.6	2910	4x35	8
TR10150 - 110 KW	60146847	60146861	150	110	3x400V~	217	5.7	2910	4x35	8
TR10180 - 132 KW	60146848	60146862	180	132	3x400V~	257	5.7	2910	4x35	8
TR10200 - 147 KW	60146849	60146863	200	147	3x400V~	300	6.2	2920	4x35	8
TR10230 - 170 KW	60146850	60146864	230	170	3x400V~	348	6	2920	4x35	8
TR10260 - 190 KW	60146851	60146865	260	190	3x400V~	405	5.9	2930	4x35	8

Supplied with 2 cables.

SMC 12

12" SUBMERSIBLE ELECTRIC PUMPS



Submersible semi-axial multistage electric pumps for 12" or larger pits, capable of generating a wide range of flow rates and heads. Designed for lifting, distribution and pressurization in industrial water systems, autoclave and cistern feeding, firefighting systems, irrigation systems.

Application in clean, non-aggressive water free of solids or abrasives.

Pump design features

Cathaphoresis-treated cast iron pump body and AISI 316 stainless steel precision cast impellers dynamically balanced and keyed to the shaft. Shaft guided by coaxial bush bearings and fully protected by bushings.

Pump equipped with a low pressure drop non-return valve. Flanged delivery port and supplied with counterflange kit, bolts and seals.

For the electrical characteristics of the submersible motors and variable frequency drive operation specifications, please refer to the specific model data sheets.

Operating range Up to 540 m³/h with head up to 320 m.

Pumped liquid clean, free of solids or abrasive substances, chemically neutral close to the characteristics of water.

Starts/hour refer to the coupled motor.

Cooling flow refer to the coupled motor.

Maximum permitted quantity of sand 40 gr/m³.

Ambient temperature +30°C.

Recommended minimum suction level m 2.5

Installation horizontal or vertical.

Coupled with 8", 10" or 12" motors depending on the power required by the hydraulics and available in both standard and entirely stainless steel version.

TR 8: 8" rewindable submersible motor.

TR 10: 10" rewindable submersible motor.

TR 12: 12" rewindable submersible motor.

SMC 12 360 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m ³ h	0	180	210	240	270	285	300	315	330	360	390	420	450			
			KW	HP	Q=l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000	7500			
SMC12 360/1A	60177520	8"	45	60	H (m)	55.5	46	44.5	43	41.5	40.5	39.5	38	36.5	33.5	29.5	25	20	7"	136	899
SMC12 360/1B	60177521	8"	55	75		63	51	49.5	48	46.5	46	45	44	42.5	39	35.5	31	26	7"	136	899
SMC12 360/1C	60177522	8"	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
SMC12 360/2A	60177523	8"	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
SMC12 360/2B	60177524	8"	92	125		117.5	97.5	95	92	88.5	86.5	84	81	77.5	68.5	58.5	47	-	7"	174	1099
SMC12 360/2C	60177525	8"	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
SMC12 360/3A	60177526	10"	132	180		168.5	139	134	129.5	125	122	119.5	116.5	112	101.5	86.5	65	-	7"	217	1324
SMC12 360/3B	60177527	10"	147	200		185	153.5	149	144	139.5	137	134	131	127	117.5	104.5	87	61.5	7"	217	1324
SMC12 360/4A	60177528	10"	190	260		224.5	193	188	182.5	176	171.5	167	162	155.5	140	122.5	102	-	7"	255	1524
SMC12 360/5A	60177529	12"	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
SMC12 360/5B	60177530	12"	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

SMC 12 420 HYDRAULICS

MODEL	HYDRAULICS CODE	MOTOR ACC.	ELECTRICAL DATA		HYDRAULIC DATA														DNM	WEIGHT KG	H mm
			P2 NOMINAL REQUIRED		Q=m ³ h	0	210	240	270	300	330	360	390	420	450	480	510	540			
			KW	HP	Q=l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000			
SMC12 420/1A	60177531	8"	45	60	H (m)	52	39.5	38	36.5	35	34	32.5	30.5	28.5	26	22.5	19	14	7"	134	899
SMC12 420/1B	60177532	8"	55	75		58.5	44.5	43	41.5	40	39	38	36.5	35	32.5	30	26.5	22	7"	134	899
SMC12 420/2A	60177533	8"	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
SMC12 420/2B	60177534	8"	110	150		114.5	90.5	88	85.5	83	80.5	77.5	74.5	71	66	61	54	46	7"	174	1124
SMC12 420/3A	60177535	10"	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
SMC12 420/3B	60177536	10"	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
SMC12 420/4A	60177537	10"	190	260		196	154	149.5	145	140.5	135.5	130	124	116.5	107.5	97	85.5	72	7"	247	1524
SMC12 420/4B	60177538	12"	220	300		221	173.5	169	165	161	156.5	152	147	139.5	131	121.5	110.5	96	7"	247	1524
SMC12 420/5A	60177539	12"	250	340		260.5	204	198	192.5	187	182	176.5	170.5	162	152	139	121.5	100	7"	284	1724

SMN 12

12" SUBMERSIBLE ELECTRIC PUMPS



12" Semi-axial multi-impeller submersible pump in AISI 316 stainless steel for clean water.
 Designed to increase the pressure of water taken from pits (at least 12" in diameter), cisterns or tanks.
 Different impeller types are available to ensure the best efficiency at different flow rates and models with up to 5 impellers are available to cover a wide range of heads.
 Impellers made entirely in precision cast AISI 316 stainless steel.
 Equipped with a low pressure drop non-return valve.
 The pump complies with DM174 for use with water for human consumption.
 The package contains the two cable covers to be used according to the type of starter (direct or star/delta).

Operating range Up to 540 m³/h with head up to 315 m.
Pumped liquid Clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral. AISI 316 stainless steel version also suitable for aggressive solutions and/or salt water.
Starts/hour refer to the coupled motor.
Cooling flow Refer to the coupled motor.
Maximum permitted quantity of sand 100 g/m³.
Ambient temperature 30 °C.
Recommended minimum suction level 2.5 m.
Installation horizontal and vertical.

Coupled with 8" to 12" motors depending on the power required by the hydraulics:
TR 8: 8" rewindable submersible motor in AISI 316 or DUPLEX version
TR 10: 10" rewindable submersible motor in AISI 316 or DUPLEX version
TR 12: 12" rewindable submersible motor in AISI 316 or DUPLEX version

For variable frequency drive operation please refer to the specifications of the coupled motor.

ACCESSORIES
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SMN 12 360 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA													DNM	WEIGHT KG	H mm	MOTOR ACC.	
		P2 NOMINAL REQUIRED		Q=m ³ h	0	180	210	240	270	285	300	315	330	360	390	420					450
		kW	HP	Q=l/min	0	3000	3500	4000	4500	4750	5000	5250	5500	6000	6500	7000					7500
SMN12 360/1A	60177764	45	60	H (m)	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"
SMN12 360/1B	60177765	55	75		63	51	49.5	48	46.5	46	45	44	42.5	39	35.5	31	26	7"	136	899	8"
SMN12 360/1C	60177766	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"
SMN12 360/2A	60177767	75	100		102	88	85.5	82	78.5	76	73.5	71	67	59	49.5	39	-	7"	174	1099	8"
SMN12 360/2B	60177768	92	125		116.5	99.5	97	94	91	89	86.5	84	81	73.5	65	55.5	44	7"	174	1099	8"
SMN12 360/2C	60177769	110	150		130.5	111	109	106.5	103.5	102	100	98	95	88.5	80.5	71.5	61	7"	178	1124	8"
SMN12 360/3A	60177770	132	180		171.5	147	143	138	132	128.5	125	120.5	116	105.5	93	78.5	61	7"	217	1324	10"
SMN12 360/3B	60177771	147	200		182	158	155	151	147	144	141	137.5	133	122	109.5	95	78.5	7"	217	1324	10"
SMN12 360/4A	60177772	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"
SMN12 360/5A	60177773	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"
SMN12 360/5B	60177774	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 HYDRAULICS

MODEL	HYDRAULICS CODE	ELECTRICAL DATA		HYDRAULIC DATA												DNM	WEIGHT KG	H mm	MOTOR ACC.		
		P2 NOMINAL REQUIRED		Q=m ³ h	0	210	240	270	300	330	360	390	420	450	480					510	540
		kW	HP	Q=l/min	0	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000					8500	9000
SMN12 420/1A	60177775	45	60	H (m)	53.5	40.5	39	37.5	36	34	32	30	27.5	25	21.5	18.5	14.5	7"	134	899	8"
SMN12 420/1B	60177776	55	75		60	45	44	42.5	41	39.5	38	36	33.5	31	28	24.5	21	7"	134	899	8"
SMN12 420/2A	60177777	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"
SMN12 420/2B	60177778	110	150		118	92.5	90	87.5	85.5	83	80	77	73	69	64	59	53	7"	174	1124	8"
SMN12 420/3A	60177779	132	180		145.5	118	114.5	111	107.5	103.5	99	94	87.5	80.5	73	65	55.5	7"	211	1324	10"
SMN12 420/3B	60177780	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"
SMN12 420/4A	60177781	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"
SMN12 420/4B	60177782	220	300		222	182	177	172	167.5	162	156.5	151	144	136.5	128	118.5	106	7"	247	1524	12"
SMN12 420/5A	60177783	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"

DAB SERVICES
 HEATING AND AIR CONDITIONING
 ES/BOX LINE
 CONTROL UNIT
 WATER PRESSURIZATION
 BOOSTER SETS
 END SUCTION AND VERTICAL MULTISTAGE PUMPS
 DRAINAGE AND SEWAGE
 SWIMMING POOL PUMPS
 FIRE FIGHTING

TR 12

12" SUBMERSIBLE MOTORS



12" Rewindable asynchronous submersible motor. Designed for pressurization, groundwater from pits and for using water in agricultural irrigation systems. Liner in AISI 316 stainless steel. Rewindable stator available with PE2+PA windings allowing the motor to be used in special applications and/or with variable frequency drives. Rotor mounted on a Mitchell self-centring thrust bearing unit capable of withstanding high axial loads. Cooling and lubrication through a mixture of water and glycol. Versions with direct or star/delta starting, two- or four-pole, supplied with 8 m single-core cables directly connected to the winding and earthing cable. ACS, WRAS certified cables. Only available in three-phase version with provision for installation of PT100 or PTC temperature sensor. Available in AISI 316 stainless steel (TR 12 N version) and AISI 904 stainless steel (TR 12 R version). Motors to be coupled to a pump body.

Flanging 12".
Protection degree IP68.
Cooling flow speed 0.5 m/s.
Supply tolerance +6% / -10%.
Maximum no. of starts 5/h.
Maximum working pressure 60 bar.
Max operating depth 300 m.
Horizontal operation 180 HP - 260 HP.
Direction of rotation to be specified when ordering, the standard version is anti-clockwise.



DIRECT STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR12180 - 132 KW	60146896	60146910	180	132	3x400V~	266	5.0	2930	3x70	8
TR12200 - 147 KW	60146897	60146911	200	147	3x400V~	290	6.2	2930	3x70	8
TR12230 - 170 KW	60146898	60146912	230	170	3x400V~	329	6.1	2920	3x70	8
TR12260 - 190 KW	60146899	60146913	260	190	3x400V~	371	6.2	2930	3x70	8
TR12300 - 220 KW	60146900	60146914	300	220	3x400V~	424	6.1	2920	3x70	8
TR12340 - 250 KW	60146901	60146915	340	250	3x400V~	481	5.9	2920	3x70	8

Supplied with 1 cable.


STAR/DELTA STARTING

MODEL	STANDARD	AISI 316	P2 (HP)	P2 kW	POWER SUPPLY 50 Hz	IN (A)	Is/In	N (min ⁻¹)	CABLE	
	PE2 + PA	PE2 + PA							Ø mm ²	LC (m)
	CODE	CODE								
TR12180 - 132 KW	60146903	60146917	180	132	3x400V~	266	5.0	2930	6x50	8
TR12200 - 147 KW	60146904	60146918	200	147	3x400V~	290	6.2	2930	6x50	8
TR12230 - 170 KW	60146905	60146919	230	170	3x400V~	329	6.1	2920	6x50	8
TR12260 - 190 KW	60146906	60146920	260	190	3x400V~	371	6.2	2930	6x50	8
TR12300 - 220 KW	60146907	60146921	300	220	3x400V~	424	6.1	2920	6x50	8
TR12340 - 250 KW	60146908	60146922	340	250	3x400V~	481	5.9	2920	6x50	8


Supplied with 2 cables.



ACCESSORIES GROUNDWATER AND IRRIGATION

GROUNDWATER AND IRRIGATION ACCESSORIES


SHIELDED CABLES	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	FOUR-CORE SHIELDED CABLE 4 X 1.5 MM ² PER METRE	60149594	•	•		
	FOUR-CORE SHIELDED CABLE 4 X 2.5 MM ² PER METRE	60149595	•	•		
	FOUR-CORE SHIELDED CABLE 4 X 4 MM ² PER METRE	60149596	•	•	•	•

Recommended for variable frequency drive applications.


FOUR-CORE CABLES	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	FOUR-CORE CABLE 4 X 1.5 MM ² PER METRE	002730041	•	•	•	
	FOUR-CORE CABLE 4 X 2.5 MM ² PER METRE	002730051	•	•	•	
	FOUR-CORE CABLE 4 X 4 MM ² PER METRE	002730061	•	•	•	•
	FOUR-CORE CABLE 4 X 6 MM ² PER METRE	002730080	•	•	•	•
	FOUR-CORE CABLE 4 X 10 MM ² PER METRE	002730085	•	•	•	•
	FOUR-CORE CABLE 4 X 16 MM ² PER METRE	002730090	•	•	•	•
	FOUR-CORE CABLE 4 X 25 MM ² PER METRE	002730096	•	•	•	•


PROBES	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	ELECTRODE PROBE Suitable for conductive liquids with a maximum temperature of +40°C. To be connected with 1.5 mm ² cable - 550 V insulation. Sensitivity: ≤ 53 kOhm.	002775000		•	•	•
	CABLE FOR ELECTRODE PROBES 1 X 1.5 MM ² PER METRE	002730038		•	•	•


Accessories that can only be connected to ES panels.

JOINTS	DESCRIPTION	CODE	MICRA	S4	SS+6GF	SMC+6GF
	CABLE JOINT KIT (FOR 4 X 1.5/2.5/4/6 MM ² CABLES)	547120020	•	•	•	•
	CABLE JOINT KIT (FOR 4 X 10/16/25 MM ² CABLES)	547120030		•	•	•
	CABLE JOINT TO ELECTRIC PUMP	AAGCA		•	•	•


GROUNDWATER AND IRRIGATION ACCESSORIES

SHIELDED CABLE EXTENSION KIT	DESCRIPTION	CODE
	SHIELDED CABLE EXTENSION KIT 4G1.5 FOR MICRA HS - 30M	60180969
	SHIELDED CABLE EXTENSION KIT 4G1.5 FOR MICRA HS - 60M	60180970
	SHIELDED CABLE EXTENSION KIT 4G1.5 FOR MICRA HS - 90M	60180971

MOTOR CABLE KIT	DESCRIPTION	CODE	4GG	4TW	40L	6GF
	CABLE KIT 4GX1.5 MM2 - LENGTH 20 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153539	•		•	
	CABLE KIT 4GX1.5 MM2 - LENGTH 40 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153541	•		•	
	CABLE KIT 4GX1.5 MM2 - LENGTH 60 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153543	•		•	
	CABLE KIT 4GX1.5 MM2 - LENGTH 80 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153544	•		•	
	CABLE KIT 4GX1.5 MM2 - LENGTH 100 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60185874	•		•	
	CABLE KIT 4GX2.5 MM2 - LENGTH 20 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153547	•		•	
	CABLE KIT 4GX2.5 MM2 - LENGTH 40 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153614	•		•	
	CABLE KIT 4GX2.5 MM2 - LENGTH 60 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60185875	•		•	
	CABLE KIT 4GX2.5 MM2 - LENGTH 80 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60185876	•		•	
	CABLE KIT 4GX2.5 MM2 - LENGTH 100 M. WITH CONNECTOR FOR 4GG/40L MOTORS	60153550	•		•	
	CABLE KIT 3GX1.5 MM2 - LENGTH 30 M. WITH CONNECTOR FOR 4TW MOTORS	60153537		•		
	CABLE KIT 4GX4 MM2 - LENGTH 20 M. WITH CONNECTOR FOR 6GF MOTORS	60172853				•
	CABLE KIT 4GX4 MM2 - LENGTH 40 M. WITH CONNECTOR FOR 6GF MOTORS	60185877				•
	CABLE KIT 4GX4 MM2 - LENGTH 60 M. WITH CONNECTOR FOR 6GF MOTORS	60185878				•
	CABLE KIT 4GX4 MM2 - LENGTH 80 M. WITH CONNECTOR FOR 6GF MOTORS	60185879				•
	CABLE KIT 4GX4 MM2 - LENGTH 100 M. WITH CONNECTOR FOR 6GF MOTORS	60185880				•
	CABLE KIT 4GX6 MM2 - LENGTH 20 M. WITH CONNECTOR FOR 6GF MOTORS	60185881				•
	CABLE KIT 4GX6 MM2 - LENGTH 40 M. WITH CONNECTOR FOR 6GF MOTORS	60178067				•
	CABLE KIT 4GX6 MM2 - LENGTH 60 M. WITH CONNECTOR FOR 6GF MOTORS	60185882				•
	CABLE KIT 4GX6 MM2 - LENGTH 80 M. WITH CONNECTOR FOR 6GF MOTORS	60185883				•
	CABLE KIT 4GX6 MM2 - LENGTH 100 M. WITH CONNECTOR FOR 6GF MOTORS	60185884				•
	CABLE KIT 4GX10 MM2 - LENGTH 20 M. WITH CONNECTOR FOR 6GF MOTORS	60185885				•
	CABLE KIT 4GX10 MM2 - LENGTH 40 M. WITH CONNECTOR FOR 6GF MOTORS	60185886				•
	CABLE KIT 4GX10 MM2 - LENGTH 60 M. WITH CONNECTOR FOR 6GF MOTORS	60185887				•
CABLE KIT 4GX10 MM2 - LENGTH 80 M. WITH CONNECTOR FOR 6GF MOTORS	60185888				•	
CABLE KIT 4GX10 MM2 - LENGTH 100 M. WITH CONNECTOR FOR 6GF MOTORS	60185889				•	

CORROSION PROTECTION KIT	DESCRIPTION	CODE
	ANTI-CORROSION KIT X GG200/300 KG (4" WATER-FILLED MOTOR)	60123038
	ANTI-CORROSION KIT X GG 600 KG (4" WATER-FILLED MOTOR)	60123039
	ANTI-CORROSION KIT X OL (4" OIL-FILLED MOTOR)	60151299


GROUNDWATER AND IRRIGATION ACCESSORIES

KIT PT100	DESCRIPTION	CODE	TR6/TR8	TR10 / TR12 Cast iron and AISI 316	TR10 / TR12 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 - CABLE 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				•

GROUNDWATER AND IRRIGATION ACCESSORIES

CB - CONTROL PANELS MANDATORY FOR SINGLE-PHASE PUMPS


- Shockproof thermoplastic housing with two cable glands
- Two-pole luminous main switch (live voltage)
- Protection degree: IP43
- Starting capacitor
- Thermal protection with external manual reset

	DESCRIPTION	CODE	POWER SUPPLY 50 Hz	P2 NOMINAL		PROTECTION	PRECISION CAST CAPACITOR	DIMENSIONS mm	GROSS WEIGHT Kg	MICRA
				kW	HP					
	CB 16/5	60149564	1x230 V~	0,55	0,75	5 A	16	85x170x65	0,65	
	CB 20/6	60149565	1x230 V~	0,75	1	6 A	20	85x170x65	0,65	
	CB 30/9	60149566	1x230 V~	1,1	1,5	9 A	30	85x170x65	0,65	
	CB 35/12	60148895	1x230 V~	1,5	2	12 A	35	85x170x65	0,65	
	CBS 05/12	60140961	1 x230 V~	0,37	0,5	5 A	12	85x170x65	0,65	MICRA 50 M
	CBS 06/16	60140962	1 x230 V~	0,55	0,75	6 A	16	85x170x65	0,65	MICRA 75 M
	CBS 07/20	60140963	1 x230 V~	0,75	1	7 A	20	85x170x65	0,65	MICRA 100 M

ESC PLUS

Electronic panel for protection, monitoring and control of single/three-phase motor/pump with direct starting.
 Dual panel calibration mode: automatic / manual
 Motor/pump protection against dry-running is not by means of a level probe but by measuring the cos of the motor.
 Shockproof and self-extinguishing thermoplastic housing with two cable glands.
 Main switch.
 Power supply: single-phase 230 V +10% - 20%, three-phase 400 V +10% - 20%.
 Four models available for power ratings from 0.5 HP to 15 HP.
 Digital display with status indicators.
 Protection degree IP54.

Starting capacitor for single-phase version (to be ordered separately)
 Opto-isolated auxiliary input for control by probes, pressure switch or float
 ON-OFF switch.
 Functional characteristics:
 Overload protection.
 Phase failure protection (three-phase version).
 Surge protection.
 Short-circuit protection.
 Dry run protection.


	DESCRIPTION	CODE	POWER SUPPLY 50-60 Hz	RANGE HP	MAX CURRENT A	PANEL DIMENSIONS			WEIGHT kg.
						A	B	H	
	ESC PLUS 3M 220-240 V	60149590	1 x230 V,	0,5-3	<18	175	175	80	0,9
	ESC PLUS 4T 3X400V	60149591	3x400V,	0,5-4	<9	245	195	95	1
	ESC PLUS 10T 3X400V	60149592	3x400V,	5,5-10	<20	215	170	75	1,4
	ESC PLUS 15T 3X400V	60149593	3x400V,	12,5-15	<30	215	170	75	1,6

GROUNDWATER AND IRRIGATION ACCESSORIES

CONTROL BOX 4"

Electrical control panel for operating single-phase submersible electric pumps, containing manual reset thermal protection, capacitor and terminal board for electrical connections and possible pressure switch/float connection.

Complete with 1.5 m cable with SCHUKO CEE 7- VII plug - UNEL 47166-168 Wall-mounting box made of self-extinguishing thermoplastic material.

	SINGLE-PHASE MODEL	CODE	MOTOR POWER kW	AMPER. PROTECTION AMP	CAPACITOR μ F	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: IP54.

Ambient operating temperature: -10 °C + 40 °C.

Wall mounting box in self-extinguishing thermoplastic material.


	MODEL	CODE	POWER SUPPLY 50 Hz	MOTOR POWER kW	MAX CURRENT A	CAPACITOR μ F	STARTING CAPACITOR μ F	WEIGHT Kg
	CBB 05/15 (0,37 KW)	4616050	1x230V	0,37	5	16	53-64	0,85
	CBB 06/20 (0,55KW)	4620060	1x230V	0,55	6	20	53-64	0,85
	CBB 09/25 (0,75 KW)	4625090	1x230V	0,75	9	25	100-130	1,5
	CBB 12/35 (1,1 KW)	4635120	1x230V	1,1	12	35	100-130	1,1
	CBB 15/40 (1,5KW)	4640150	1x230V	1,5	15	40	189-250	1,1
	CBB 20/60 (2,2 KW)	49050200	1x230V	2,2	20	60	189-250	1,5
	CBB 32/90 (3,7 KW)	49090320	1x230V	3,7	32	90	315-400	1,5

GROUNDWATER AND IRRIGATION ACCESSORIES

ES 1 M - ES 3 M

Electrical control panel for dry run protection of single-phase submersible electric pumps (see table). The panel is protected and protects the electric pump from overloads, short circuits and manual reset. Can be operated with 1, 2 or 3 probes depending on the application.

Protection degree IP55. Operating range: -10°C to +40°C.
Supplied as standard with one electrode probe and wall mounting brackets.
Wall-mounting box made of self-extinguishing thermoplastic material.

	DESCRIPTION	CODE	POWER SUPPLY 50-60 Hz	POWER kW p2 MOT.	Max system power rating (kW)	MAX CURRENT A	PANEL DIMENSIONS			WEIGHT kg.
							A	B	H	
	ES 1 M	108000130	1x220-240V,	0,37-0,55-0,75	1,85	10	270	300	190	5,6
	ES 3 M	108000140	1x220-240V,	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

Electrical control panel for dry run protection of three-phase submersible electric pumps (see table).

The panel is protected and protects the electric pump from overloads, short circuits and manual reset.

Can be operated with 1, 2 or 3 probes depending on the application.

Protection degree IP55.
Operating range: -10°C to +40°C.
Supplied as standard with one electrode probe and wall mounting brackets.
Wall-mounting box made of self-extinguishing thermoplastic material.

	DESCRIPTION	CODE	POWER SUPPLY 50-60 Hz	POWER kW p2 MOT.	Max system power rating (kW)	MAX CURRENT A	PANEL DIMENSIONS			WEIGHT kg.
							A	B	H	
	ES 0.75 T	108000240	3x400V	0,37-0,55	0,88	1,6	270	300	190	5,6
	ES 1 T	108000250	3x400V	0,75	1,38	2,5	270	300	190	5,6
	ES 1.5 T	108000260	3x400V	1,1	2,2	4	270	300	190	5,6
	ES 3 T	108000270	3x400V	1,5-2,2	3,5	6,3	270	300	190	5,6
	ES 4 T	108000280	3x400V	3	5,5	10	270	300	190	5,6
	ES 7.5 T	108000290	3x400V	4-5,5	7,5	14	270	300	190	5,6

CONTROL UNIT - ES

Electrical control panels for the protection and automatic operation via float(s) of three-phase submersible pumps in single installation.

Available for both direct and star-delta starting.


Wall-mounting box made of self-extinguishing thermoplastic material.

The panel is self-protected and protects the electric pump from overloads, short circuits, phase failure and manual reset.

Complete with:

- Power line disconnect device with padlockable port locking handle;
- Self-protected transformer for 24 V external control power supply;

- Terminals for connecting the electric pump and minimum/maximum control floats;
- Probe module for monitoring dry running;
- Terminals for connecting an alarm control and remote installation of an audible or visual alarm (potential-free)
- Front panel switch for manual - 0 - automatic pump operation;
- Degree of protection: IP55
- Panels constructed in compliance with EN 60204-1 and EN 60439-1
- Supplied as standard with one electrode probe

	SINGLE-PHASE MODEL	CODE	POWER SUPPLY 50-60 Hz	P2 NOMINAL kW	MAX CURRENT A	WEIGHT kg.
	ES 7.5 T	108000290	3x400V	4 - 5,5	14	5,6
	ES 10 T	108000600	3x400V	7,5	18	5,6
	ES 12.5 T	108000610	3x400V	9,2	23	5,9
	ES 15 T	108000620	3x400V	11	25	8
	ES 20 T	108000630	3x400V	15	32	8,1
	ES 25 T	108000640	3x400V	18,5	40	8,3
	ES 30 T	108000650	3x400V	22	63	8,5
	ES 40 T	108000660	3x400V	30	80	8,2
	ES 50 T	108000670	3x400V	37	90	9
	ES 60 T	108000680	3x400V	45	100	9
	ES 10 T S/D	108000700	3x400V	7,5	18	5,6
	ES 12.5 T S/D	108000710	3x400V	9,2	25	5,9
	ES 15 T S/D	108000720	3x400V	11	25	8
	ES 20 T S/D	108000730	3x400V	15	32	8,1
	ES 25 T S/D	108000740	3x400V	18,5	40	8,3
	ES 30 T S/D	108000750	3x400V	22	63	8,5
	ES 40 T S/D	108000760	3x400V	30	80	8,2
	ES 50 T S/D	108000770	3x400V	37	90	9
	ES 60 T S/D	108000780	3x400V	45	100	9

GROUNDWATER AND IRRIGATION ACCESSORIES

COOLING LINERS FOR 4" SUBMERSIBLE PUMP

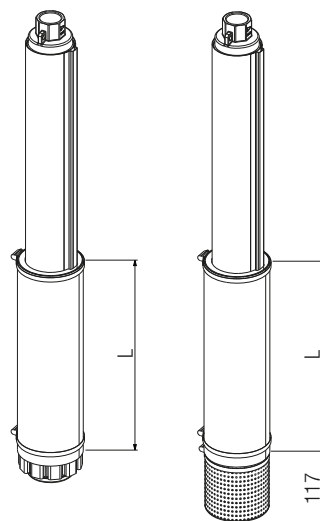
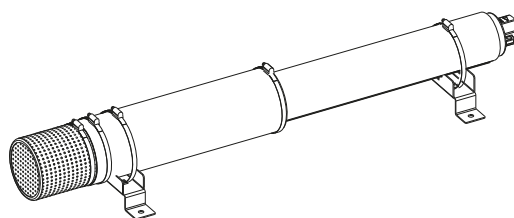
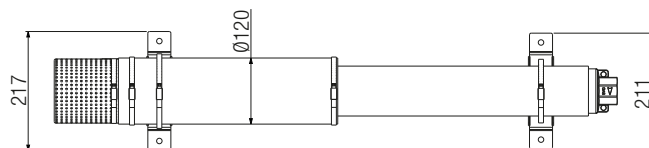
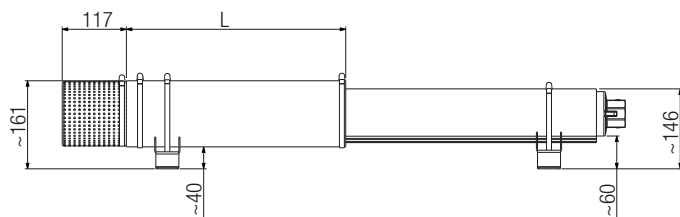
Cooling liner kits of different lengths, which can be used to allow perfect cooling of the 4" motor in case of installation in tanks or cisterns or where a minimum cooling flow to the motor itself is not ensured.

The choice of pipe length should be made according to the power and type of motor as shown in the table below.

	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		KIT 525	KIT 885	
	1,5	1,1				
	2	1,5		KIT 885		
	3	2,2				
	4	3		KIT 885		
	5	3,7				
	5,5	4		KIT 885		
	5,5	4				
SINGLE-PHASE	0,5	0,37	60	KIT 400	KIT 400	KIT 525
	0,75	0,55				KIT 885
	1	0,75		KIT 525	KIT 885	
	1,5	1,1				
	2	1,5		KIT 885		
	3	2,2				
	5	3,7		KIT 885		
	5,5	4				

THREE-PHASE	0,5	0,37	50	KIT 400	KIT 400
	0,75	0,55			
	1	0,75		KIT 525	KIT 525
	1,5	1,1			
	2	1,5		KIT 885	KIT 885
	3	2,2			
	4	3		KIT 885	
	5,5	4			
	7,5	5,5		KIT 885	
	10	7,5			
THREE-PHASE	0,5	0,37	60	KIT 400	KIT 400
	0,75	0,55			
	1	0,75		KIT 525	KIT 525
	1,5	1,1			
	2	1,5		KIT 885	KIT 885
	3	2,2			
	4	3		KIT 885	
	5,5	4			
	7,5	5,5		KIT 885	
	10	7,5			

Data on TESLA/DAB motors



	DESCRIPTION	CODE
	COOLING TUBE KIT L400	60125178
	COOLING TUBE KIT L525	60125179
	COOLING TUBE KIT L885	60125180
	COOLING HORIZONTAL SUPPORTS KIT	60125181
	COOLING FILTER KIT	60125182

GROUNDWATER AND IRRIGATION ACCESSORIES

COOLING LINERS FOR 6" SUBMERSIBLE PUMP

Cooling liner kits of different lengths, which can be used to allow perfect cooling of the 6" motor in case of installation in tanks or cisterns or where a minimum cooling flow to the motor itself is not ensured.

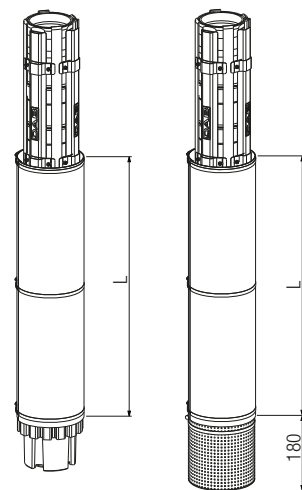
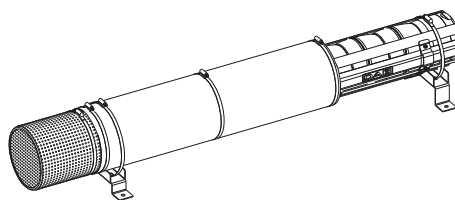
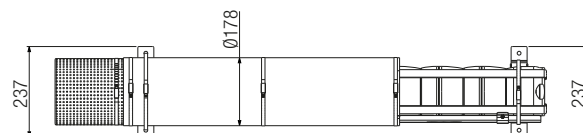
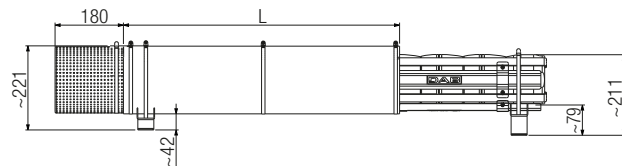
The choice of pipe length should be made according to the power and type of motor as shown in the table below.

USABLE WITH S6, SR6 AND SM6 ELECTRIC PUMPS COMBINED 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				
	10	7,5				
	12,5	9,2		KIT 960	KIT 960	
	15	11				
	17,5	13		KIT 960	KIT 1220	
	20	15				
	25	18,5		KIT 1220	KIT 1220	KIT 1220
	30	22				
	35	26	KIT 1490	KIT 1490	KIT 1490	
	40	30				
	50	37				
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			
5,5	4	KIT 960			
THREE-PHASE	0,5			0,37	KIT 725
	0,75			0,55	
	1			0,75	
	1,5	1,1			
2	1,5	KIT 960			
3	2,2				
4	3	KIT 1220			
5,5	4				
7,5	5,5				
10	7,5				

Data on TESLA/DAB motors



	DESCRIPTION	CODE
	COOLING TUBE KIT L725	60144213
	COOLING TUBE KIT L960	60144217
	COOLING TUBE KIT L1220	60144218
	COOLING TUBE KIT L1490	60146397
	COOLING HORIZONTAL SUPPORTS KIT	60146398
	COOLING FILTER KIT	60146399

In order to determine the cooling flow speed v [m/s] along the motor liner, the following formula can be used:

$$v = \frac{Q}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4} \right)}$$

Q [m³/s] = flow at the point of operation of the electric pump
 v [m/s] = cooling flow speed

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:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4} \right)}$$

D [m] = well diameter
 d [m] = motor diameter

TECHNICAL APPENDIX

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETS

END SUCTION AND
VERTICAL MULTISTAGE PUMPS

DRAINAGE
AND SEWAGE

GROUNDWATER
AND IRRIGATION

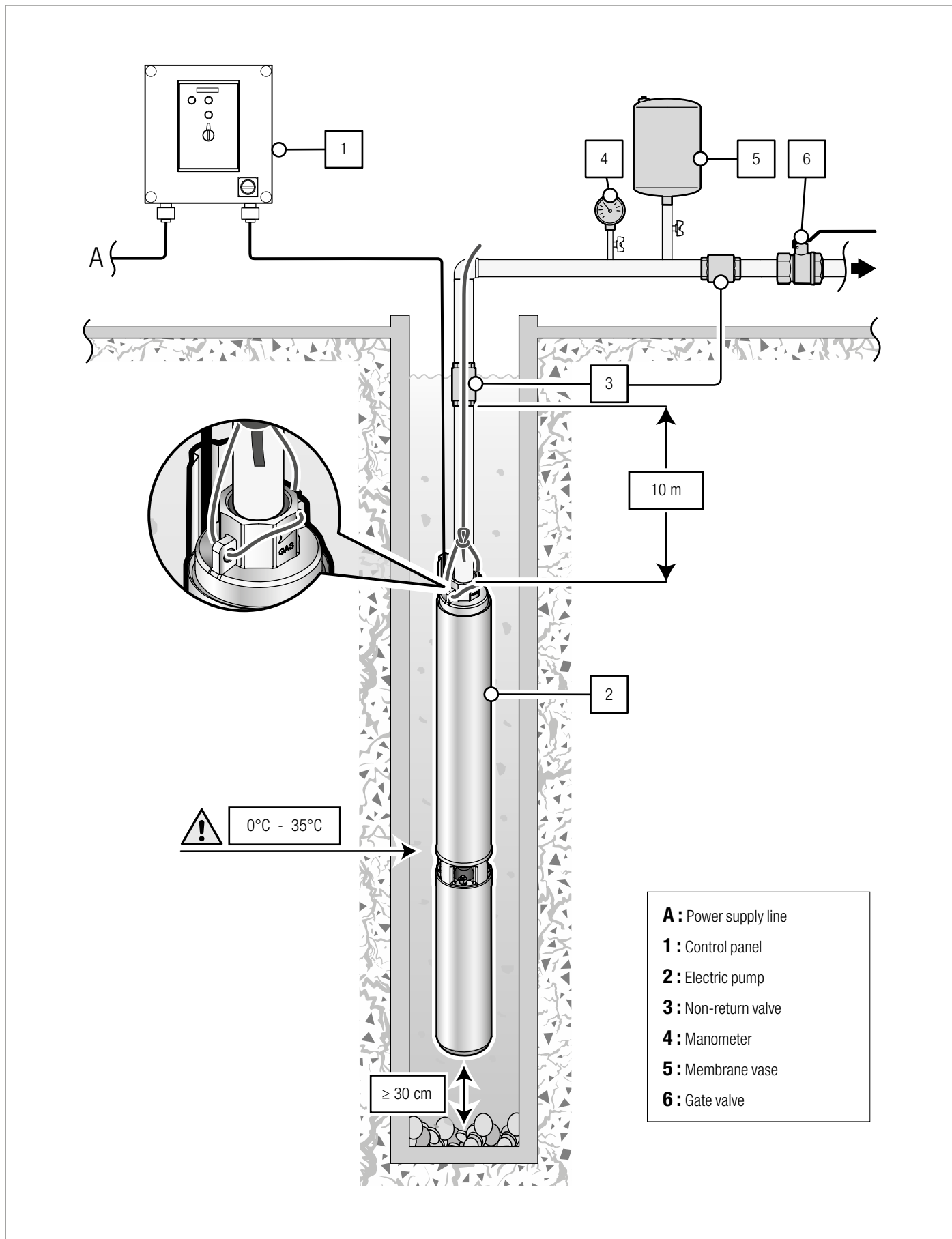
SWIMMING POOL PUMPS

FIRE FIGHTING

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

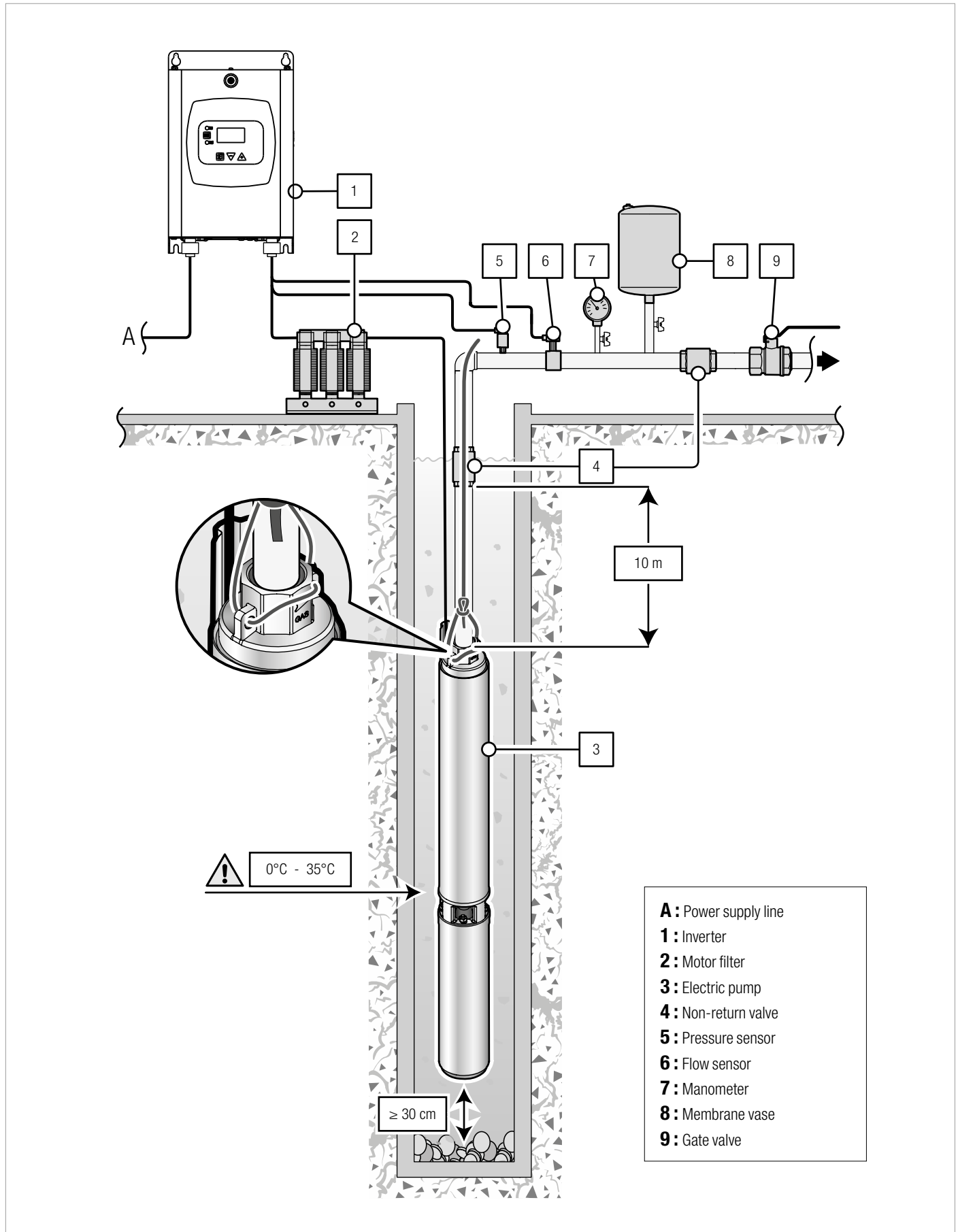
EXAMPLE OF INSTALLATION OF A SUBMERSIBLE ELECTRIC PUMP



TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

EXAMPLE OF INSTALLATION OF A SUBMERSIBLE ELECTRIC PUMP CONTROLLED BY INVERTER



TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²							
						mm ²	1,5	2,5	4	6	10	16	25
	kW	HP				H max	19	25	34	43	60	80	101
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 ...mm ²							
						mm ²	1,5	2,5	4	6	10	16	25
	kW	HP				H max	19	25	34	43	60	80	101
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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

DETERMINATION OF THE CROSS SECTION OF THE POWER CABLE

SINGLE-PHASE 4" MOTOR (40L)

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 ...mm ²							
						mm ²	1,5	2,5	4	6	10	16	25
	H max	19				25	34	43	60	80	101	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 (40L)

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 ...mm ²							
						mm ²	1,5	2,5	4	6	10	16	25
	H max	19				25	34	43	60	80	101	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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²							
						mm ²	4	6	10	16	25	35	50
	H max	34				43	60	80	101	126	153	196	
						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 - DIRECT START-UP

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x ...mm ²							
						mm ²	4	6	10	16	25	35	50
	H max	34				43	60	80	101	126	153	196	
						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 - STAR/DELTA START-UP

MOTOR TYPE	NOMINAL POWER		NOMINAL VOLTAGE V	MOTOR NOMINAL CURRENT In (A)	Cos φ	Cable section: 4x ...mm ²							
						mm ²	4	6	10	16	25	35	50
	H max	59				74	104	139	175	218	265	339	
						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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²											
						mm ²	6	10	16	25	35	50	70	95			
	KW	HP				H max	43	60	80	101	126	153	196	238			
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 ...mm ²											
						mm ²	6	10	16	25	35	50	70	95			
	KW	HP				H max	74	104	139	175	218	265	339	412			
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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²															
						mm ²	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				
						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 ...mm ²															
						mm ²	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				
						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			

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²												
						mm ²	6	10	16	25	35	50	70	95	120	150	185	240
	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 ...mm ²													
						mm ²	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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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 ...mm ²												
						mm ²	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 ...mm ²												
						mm ²	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

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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.

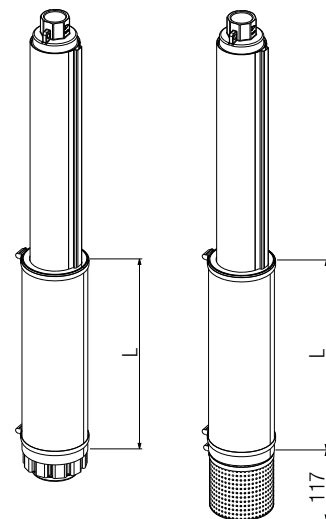
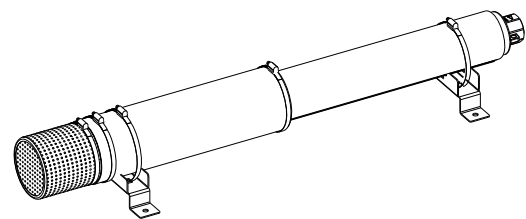
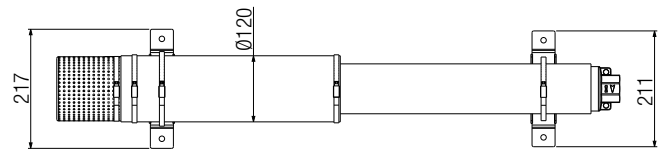
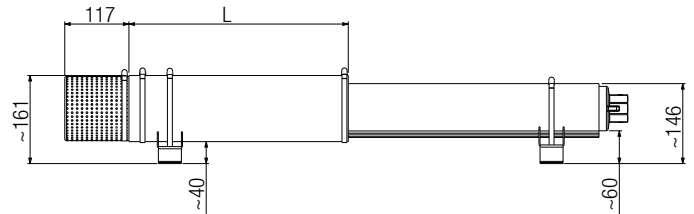
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

	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		KIT 525	KIT 885	KIT 885
	1,5	1,1				
	2	1,5				
	3	2,2		KIT 885	KIT 885	KIT 885
	4	3				
	5	3,7	KIT 885	KIT 885	KIT 885	
	5,5	4				
	0,5	0,37	60	KIT 400	KIT 400	KIT 525
	0,75	0,55				KIT 885
	1	0,75		KIT 525	KIT 885	KIT 885
	1,5	1,1				
	2	1,5				
3	2,2	KIT 885		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		KIT 525	KIT 525
	1,5	1,1			
	2	1,5			
	3	2,2		KIT 885	KIT 885
	4	3			
	5,5	4	KIT 885	KIT 885	
	7,5	5,5			
	10	7,5	60	KIT 400	KIT 400
	0,5	0,37			
	0,75	0,55		KIT 525	KIT 525
	1	0,75			
	1,5	1,1			
	2	1,5		KIT 885	KIT 885
	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



TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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.

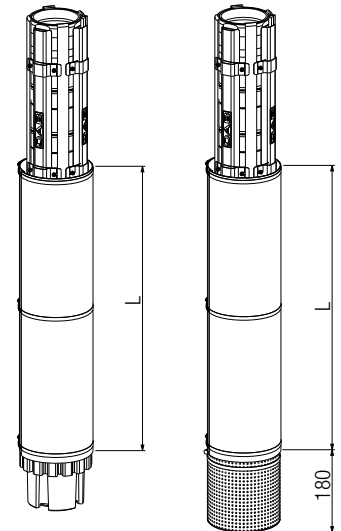
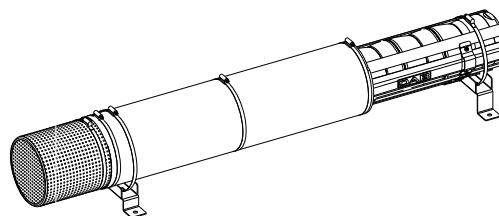
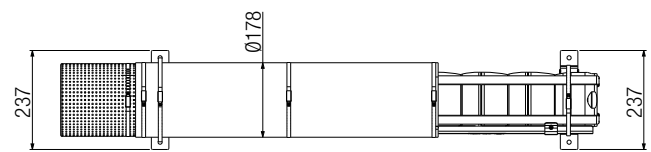
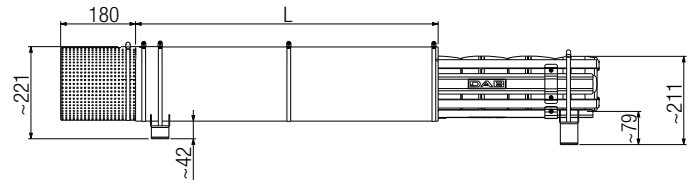
The length of the pipe must be selected based on the type of motor and its power, as indicated in the following table.

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				
	5,5	4			KIT 725	
7,5	5,5					
THREE-PHASE	10	7,5		KIT 960	KIT 960	
	12,5	9,2				
	15	11				
	17,5	13				
	20	15		KIT 960	KIT 1220	
	25	18,5				
	30	22		KIT 1220		KIT 1220
	35	26				
	40	30		KIT 1490	KIT 1490	KIT 1490
	50	37				
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		
5,5	4	KIT 960		
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		KIT 1220	
10	7,5			

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:

$$v = \frac{Q}{\pi \cdot \left(\frac{D^2}{4} - \frac{d^2}{4} \right)}$$

Q [m³/s] = flow at the point of operation of the electric pump
 v [m/s] = cooling flow speed

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:

$$D = \sqrt{4 \cdot \left(\frac{Q}{v \cdot \pi} + \frac{d^2}{4} \right)}$$

D [m] = well diameter
 d [m] = motor diameter

TECHNICAL APPENDIX

GROUNDWATER AND IRRIGATION

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

GROUNDWATER AND IRRIGATION

SINGLE-PHASE MOTORS

MODEL	P2		V	R _m	R _a
	HP	kW	V	Ω	Ω
40L	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
40L	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

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CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS

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ESWIM

ELECTRONIC SWIMMING POOL PUMPS



DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING



ESWIM

Variable speed electronic pumps for filtration in swimming pools or fish farms, even with salt water.

Equipped with integrated inspectable prefilter and variable frequency drive. The 150 versions are designed for use in domestic and residential installations, the 300 models for civil and commercial installations.

All models have a display with a button panel that allows you to easily set the operating mode according to the time, day of the week and season. Operation with speed or flow control for greater adaptability to different systems.

Energy savings are achieved thanks to the variable frequency drive. The permanent magnet motor is cooled by the pumped liquid. Supplied with connector for remote control.

Bayonet lid closure.

The 12 pin control board of ESwim 150, ESwim 150 SVRS, ESwim 300 and ESwim 300 SVRS makes them compatible with any control panel, whether analogue (0 - 10 V and 4-20 mA) or digital.

Minimum and maximum flow rate

150 versions: 32 m³/h

300 versions: 42.6 m³/h

-IR Headl-

150 versions: 16 m

300 versions: 26 m

Type of liquid pumped clean or slightly dirty water with suspended solids, long fibres; particularly aggressive water with high percentages of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis

Ph supported 6.5 - 8.4

Max liquid temperature +40°C

Maximum ambient temperature +50°C

Maximum working pressure bar / kPa

150 versions: 2.5 bar

300 versions: 2.8 bar

Motor protection degree

150 versions: IP55

300 versions: IP56

Thermal classification of motor insulation

F

Impeller construction material

technopolymer



Certified to
NSF/ANSI Standard 50

40 dB

ACCESSORIES
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ESWIM 150

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	6	12	18	21	24	27	30					
				kW	HP		Q=l/min	0	100	200	300	350	400	450	500					
ESWIM 150	60194426	230V	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	

ESWIM 300

MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	5	10	15	20	25	30	35	40	42.6							
				kW	HP		Q=l/min	0	83	166	250	333	416	500	583	666	710							
ESWIM 300	60174704	230V	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			

SVRS VERSION



The SVRS (Safety Vacuum Release Systems) software disables the pump's suction capacity so that a body or object trapped against the suction outlet is released, thus guaranteeing peace of mind and comfort of use.

MODEL	CODE
ESWIM 150 SVRS	60194427
ESWIM 300 SVRS	60220045

EUROSWIM

CENTRIFUGAL SWIMMING POOL PUMPS



High-efficiency self-priming centrifugal pumps with built-in **high-capacity** prefilter. **Motor completely insulated from the water.** Extremely **quiet** and **highly reliable**, developed for circulating and filtering water in domestic and residential swimming pools. Also suitable for special applications where aggressive liquids need to be pumped, in fish farms, agriculture and industry.

Pump body and prefilter ring nut in glass fibre-reinforced technopolymer. Prefilter cover in transparent anti-oxidant polycarbonate to ensure long-term clarity. Nylon filter. Impeller in glass fibre-reinforced technopolymer, designed to ensure total coverage and insulation of the motor shaft from the pumped liquid. Reinforced technopolymer diffuser. Mechanical seal in carbon/alumina/NBR/AISI 316.

NBR pump body O-ring, AISI 304 steel screws and reinforcement ring nuts. Butterfly type filling and draining plugs that do not require the use of tools for removal and repositioning.

Motor and terminal board protection degree IP55

Insulation class F.

Standard voltage

single-phase 220/240V - 50 Hz.

three-phase 230/400V - 50 Hz.

Operating range

up to 42 m³/h with head up to 22 m.

Pumped liquid clean or slightly dirty water with suspended solids, long fibres; particularly aggressive water with high percentages of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis.

Liquid temperature range

up to 60° C.

Maximum ambient temperature +50°C.

Maximum working pressure 2.5 bar.

Installation

fixed or portable in a horizontal position

Special designs on request

other frequencies and/or voltages.

Connectors on request kit 2"/50 - 63

(two connectors+O-ring - see "Accessories").

Reference standard IEC - 60364.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	≥120 W	IE2
		≥ 0.75 kW < 75 kW	IE3				
		≥ 75 kW	IE4				

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA					HYDRAULIC DATA														NOISE LEVEL MAX dB (A)	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX W	P2 NOMINAL		In A	Q=m ³ /h	H(m)																
				Q=l/min	0			3	6	9	12	18	21	24	30	36	42	DNA	DNM					
EUROSWIM 50 M	60213225	1x230 V	0.71	0.55	0.75	3.3	12	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 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	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	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	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	14.1	12.8	9	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	14.1	12.8	9	4	-	2" F	2" F	62	22	6		
EUROSWIM 300 M	60211881	1x230 V	2.65	1.8	2.45	11.8	22	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	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

CENTRIFUGAL SWIMMING POOL PUMPS



High-performing self-priming centrifugal pumps with built-in high-capacity prefilter. 2 or 4 pole motor completely insulated from the water. Extremely quiet and highly reliable, developed for circulating and filtering in large filtration systems for swimming pools. Also suitable for special applications where **sea water** needs to be pumped, thanks to the mechanical seal in AISI 316.

Prefilter body, pump body, volute, counter-volute and pump body cover made of glass fibre-reinforced polypropylene, resistant to swimming pool chemicals. Polyethylene prefilter basket. Transparent polycarbonate prefilter cover with four-knob closing system. Enclosed asynchronous motor with external ventilation, 2 or 4 pole depending on model, with a wide range of powers from 3 to 15 Hp. Protection degree of terminal board box IP55.

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

Liquid temperature range
up to 40 °C

Pumped liquid clean or slightly dirty water with suspended solids, long fibres; particularly aggressive water with high percentages of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolysis.

Maximum ambient temperature 40 °C

Installation in horizontal position

Special designs on request
other frequencies and/or voltages

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4

ACCESSORIES
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MODEL	CODE	ELECTRICAL DATA									HYDRAULIC DATA																DNA	DNM	WEIGHT KG	QTY PER PALLET		
		POWER SUPPLY 50 Hz	P1 MAX W	P2 NOM.		No. rpm	In A			Q=m ³ /h																						
				kW	HP		230	400	690	0	20	60	80	90	120	140	160	170	180	190	195											
EUROPRO 350 T	60169120	3x230-400V	2.97	2.2	3	1450	9.4	5.3	-	H(m)	14.7	13	6.3	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110	110	42.5	3
EUROPRO 400 T	60169121	3x230-400V	3.83	3	4	1450	12.5	6.9	-		16.5	14.9	8.5	4	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	110	110	44.5	3
EUROPRO 550 T	60169123	3x230-400V	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	53.5	2	
EUROPRO 550 T - BR *	60169143	3x230-400V	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	53.5	2	
EUROPRO 750 T	60169124	3x400-690V	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	66	2	
EUROPRO 750 T - BR *	60169144	3x400-690V	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	66	2		
EUROPRO 1000 T	60169139	3x400-690V	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	76	2		
EUROPRO 1000 T - BR *	60169145	3x400-690V	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	76	2		
EUROPRO 1250 T*	60169140	3x400-690V	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	84.5	2		
EUROPRO 1500 T*	60169142	3x400-690V	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	85.5	2		

* versions with bronze impeller.

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



DAB SERVICES

HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

New range of cast iron prefilters conforming to DIN 2501, with connections from DN 65 to DN 200. They are equipped with 3 or 4 closing knobs depending on the model to ensure a perfectly sealed cap. Cast iron prefilter vessel and cap, AISI 316 stainless steel basket.

The new range of prefilters allows the use of standardised end suction centrifugal pumps in the NKM-G and NKP-G series, from DN 40 to DN 150, for water circulation in large filtration systems. The same filters can be used in combination with standardised coupling base pumps (KDN) or with MCE variable frequency drives.



PREFILTER



PREFILTER + PUMP

End suction centrifugal pumps with a coupling to which a suction prefilter has been applied to make them ideal for circulating water in large filtration systems. **The pump and the prefilter are sold separately.**

Cast iron single-stage spiral body to DIN-EN 733 (formerly DIN 2455), cast iron support, flanges to DIN 2533. Cast iron impeller, closed and dynamically balanced with axial thrust compensation via balancing holes. Pump shaft in AISI 304 stainless steel, **carbon/silicon carbide mechanical seal with Viton O-rings**. Asynchronous, enclosed, externally-ventilated motor, B3/B5 mounting position, two-pole for NKP and four-pole for NKM.

Cast iron prefilter vessel and cap, AISI 316 stainless steel basket.

Rotation speed 1450-2900 1/min

Operating range

1 to 440 m³/h with head up to 24 metres.

Type of liquid pumped clean or slightly dirty or slightly aggressive water, provided that in this case the compatibility of the pump's construction materials is proven and that the power of the installed motor is adequate for the specific weight and viscosity of the liquid.

Liquid temperature range

-10 °C to +140 °C

Installation in horizontal position

Maximum ambient temperature +40°C

Top version

cataphoresis-treated bronze impeller

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2
		≥ 0.75 kW < 75 kW	IE3
		≥ 75 kW	IE4

PREFILTERS

MODEL	CODE	DN	Kg	Volume L
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.

Contact our sales network for more information.

PREFILTER FIXING KIT

MODEL	CODE
PREFILTER FIXING KIT DN 65	60166309
PREFILTER FIXING KIT DN 80-100-125	60166312
PREFILTER FIXING KIT DN 150-200	60166313

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



NKM-G - 4 POLE - CAST IRON END SUCTION PUMPS FOR SWIMMING POOL - BASIC VERSION

Cast iron impeller and Viton mechanical seal

MODEL*	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG	
		POWER SUPPLY 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	3x230-400V~	1.1	1.5	4.68	2.7	H(m)	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	3	4	-	6.25		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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	WEIGHT KG
		POWER SUPPLY 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	3x400V~	4	5.5	-	7.95	H(m)	13.2	13	12.9	12.8	12.7	12.4	12	11.7	11.3	10.4	9.3	8.7	8.7	100	80	99	
NKM-G 80-200/222/A/BAQV/5.5/4	1D5317B9X	3x400V~	5.5	7.5	-	10.6		16.6	16.5	16.4	16.2	16.1	16	15.7	15.4	15	14.3	13.3	12.7	12.7	100	80	153	
NKM-G 80-250/240/A/BAQV/7.5/4	1D5417BAX	3x400V~	7.5	10	-	14.6		20.4	20.3	20.2	20.1	20	19.9	19.8	19.5	19	18	16.7	16	16	100	80	153	
NKM-G 80-250/270/A/BAQV/11/4	1D5417BBX	3x400V~	11	15	-	20.5		25.6	25.5	25.4	25.1	25	24.8	24.6	24.2	24	23	21.5	21	21	100	80	205	

MODEL*	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG
		POWER SUPPLY 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-G 100-200/200/A/BAQV/5.5/4	1D6317B9X	3x400V~	5.5	7.5	-	10.6	H(m)	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	3x400V~	7.5	10	-	14.6		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	3x400V~	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	WEIGHT KG
		POWER SUPPLY 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	3x400V~	15	20	-	28	H(m)	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	3x400V~	18.5	25	-	34		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	3x400V~	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 to prefilters and fastening kit

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



NKP-G - 2 POLE - CAST IRON END SUCTION PUMPS FOR SWIMMING POOL - BASIC VERSION

Cast iron impeller and Viton mechanical seal

MODEL*	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG
		POWER SUPPLY 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	3x230-400V~	1.5	2	5.8	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	3x230-400V~	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	3x400V~	3	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	WEIGHT KG
		POWER SUPPLY 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	3x400V~	3	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	3x400V~	4	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	3x400V~	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	WEIGHT KG	
		POWER SUPPLY 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	3x400V~	4	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	3x400V~	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	3x400V~	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	WEIGHT KG			
		POWER SUPPLY 50 Hz	P2 NOMIN.		In (A)		Q=m³h	0	90	102	114	120	150	180	210	240							
			kW	HP	230V	400V	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000							
NKP-G 80-160/147-127/A/BAQV/11/2	1D5217BBV	3x400V~	11	15	-	19.4	H(m)	24	22	21.4	20.4	20	17.4	16.8	12	-	-	-	-	-	100	80	179

* To be coupled to prefilters and fastening kit.

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



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

Cast iron impeller and Viton mechanical seal

POLES		PUMP TYPE		PREFILTER			FILTER-PUMP FIXING KIT		
2	4	MODEL	CODE	PHOTO	MODEL	CODE	PHOTO	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						
		• 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						
		• 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						
		• 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						
		• NKM-G 125-250/256/A/BAQV/18.5/4	1D7417BDX						
		• NKM-G 150-200/218/A/BAQV/11/4	1D8317BBX						
					PREFILTER 80/80	60164700		PREFILTER FIXING KIT DN 80-100-125	60166312
					PREFILTER 100/100	60164701			
					PREFILTER 125/125	60164702			
					PREFILTER 150/150	60164703		PREFILTER FIXING KIT DN150-200	60166313
					PREFILTER 200/200	60164704			

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



NKM-G - 4 POLE - CAST IRON END SUCTION PUMPS FOR SWIMMING POOL - TOP VERSION

Bronze impeller, Viton mechanical seal, cataphoresis-treated body

MODEL*	CODE	ELECTRICAL DATA						HYDRAULIC DATA																DNA	DNM	WEIGHT KG
		POWER SUPPLY 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	3x230-400V~	1.1	1.5	4.68	2.7	H (m)	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x230-400V~	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	3x400V~	3	4	-	6.25		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	3x400V~	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	3x400V~	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	3x400V~	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	3x400V~	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	WEIGHT KG
		POWER SUPPLY 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	3x400V~	4	5.5	-	7.95	H (m)	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	3x400V~	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	153			
NKM-G 80-250/240/B/BAQV/7.5/4	60168350	3x400V~	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	3x400V~	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	WEIGHT KG
		POWER SUPPLY 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-G 100-200/200/B/BAQV/5.5/4	60180160	3x400V~	5.5	7.5	-	10.6	H (m)	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/B/BAQV/7.5/4	60168353	3x400V~	7.5	10	-	14.6		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/B/BAQV/11/4	60168369	3x400V~	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	WEIGHT KG
		POWER SUPPLY 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/B/BAQV/15/4	60168370	3x400V~	15	20	-	28	H (m)	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/B/BAQV/18.5/4	60168371	3x400V~	18.5	25	-	34		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/B/BAQV/11/4	60168376	3x400V~	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 to prefilters and fastening kit.

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



NKP-G - 2 POLE - CAST IRON END SUCTION PUMPS FOR SWIMMING POOL - TOP VERSION

Bronze impeller, Viton mechanical seal, cataphoresis-treated body

MODEL*	CODE	ELECTRICAL DATA						HYDRAULIC DATA														DNA	DNM	WEIGHT KG
		POWER SUPPLY 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	3x230-400V~		1.5	2	5.8	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	3x230-400V~		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	3x400V~		3	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	WEIGHT KG	
		POWER SUPPLY 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	3x400V~		3	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	3x400V~		4	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	3x400V~		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	WEIGHT KG		
		POWER SUPPLY 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	3x400V~		4	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	3x400V~		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	3x400V~		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	WEIGHT KG
		POWER SUPPLY 50 Hz		P2 NOMIN.		In (A)		Q=m³h	0	90	102	114	120	150	180	210	240							
		kW	HP	230V	400V	Q=l/min	0	1500	1700	1900	2000	2500	3000	3500	4000									
NKP-G 80-160/147-127/B/BAQV/11/2	60168379	3x400V~		11	15	-	19.4	H(m)	24	22	21.4	20.4	20	17.4	16.8	12	-	100	80	179				

* To be coupled to prefilters and fastening kit.

CAST IRON PREFILTERS RANGE

STANDARDISED END SUCTION PUMPS WITH CAST IRON PREFILTERS



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

Bronze impeller, Viton mechanical seal, cataphoresis-treated body

POLES		PUMPTYPE		PREFILTER			FILTER-PUMP FIXING KIT		
2	4	MODEL	CODE	PHOTO	MODEL	CODE	PHOTO	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						
		• 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						
		• 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						
		• 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						
		• NKM-G 125-250/256/B/BAQV/18.5/4	60168371						
		• NKM-G 150-200/218/B/BAQV/11/4	60168376						
					PREFILTER 80/80	60164700		PREFILTER FIXING KIT DN 80-100-125	60166312
					PREFILTER 100/100	60164701			
					PREFILTER 125/125	60164702			
					PREFILTER 150/150	60164703			
					PREFILTER 200/200	60164704			

EUROCOVER

SUBMERSIBLE SWIMMING POOL PUMPS



Fully automatic submersible pump, with a large support base designed to increase its stability and allow it to operate even when not exactly perpendicular to the ground.

Suitable for use during the winter period above swimming pool covers, to remove rainwater and prevent the cover from breaking due to the excessive weight of the accumulated water.

Pump in tough thermoplastic material.

Stainless steel motor, shaft and screws.

Triple ring seal with oil pre-chamber in between.

Built-in float for automatic operation.

Submersible, continuous-duty asynchronous.

Stator in stainless steel enclosure covered by wiring and capacitor cap.

Protection degree IP68.

Insulation class F.

Supply voltage

230V - 50 Hz single-phase.

Supplied with 10 metres of cable and Schuko plug / 10 metres of cord for positioning on covers.

Multi rubber connector with clapet valve.

Operating range

0.5 to 6 m³/h with head up to 6.5 m.

Liquid temperature range

0 °C to +35 °C (EN60335-2-41).

Installation fixed or portable in a vertical position (max slope 10°).

Passage granulometry 5 mm.

Automatic start / stop

start 55mm - stop 35mm.

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA						WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		Q=m ³ /h	0	1.2	2.4	3.6	4.8			6
				kW	HP									
EUROCOVER	60115704.	230V~	0.25	0.22	0.3	H (m)	6.5	5.1	4	3	1.9	0.5	4.6	36

GROUPING: B9 - B8

JET COM SP, EURO COM SP

CENTRIFUGAL SWIMMING POOL PUMPS



Self-priming centrifugal (Jet Com) or multistage (Euro Com) pump with excellent suction capacity even in the presence of air bubbles. Suitable for use with water containing small quantities of sandy impurities. Particularly suitable for water supply in domestic systems: handling aggressive water generally containing chlorine (swimming pool water). Technopolymer pump body.

AISI 316 STAINLESS STEEL support, seal holder.

Carbon/ceramic mechanical seal.

AISI 316 STAINLESS STEEL rotor shaft.

Technopolymer impellers, diffuser, venturi tube and sand guard.

Stainless steel shim rings.

Continuous-duty asynchronous motor.

Built-in thermo-amperometric protection and permanently inserted capacitor for the single-phase version.

In the three-phase version, protection is the responsibility of the user.

Protection degree IP44.

Terminal board protection degree IP55.

Insulation class F.

Standard voltage

single-phase 220/240V - 50 Hz.

three-phase 230/400V - 50 Hz.

Operating range 10 to 80 L/min with head up to 58 m depending on model.

Pumped liquid clean, free of solids or abrasive substances, water from swimming pools (containing chlorine).

Liquid temperature range

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

Maximum ambient temperature +40°C.

Maximum working pressure 6 bar (600 kPa).

Installation

fixed or portable in a horizontal position.

THREE-PHASE MOTORS	P2	< 0.75 kW	IE2	SINGLE-PHASE MOTORS	P2	>= 120 W	IE2
		>= 0.75 kW < 75 kW	IE3				
		>= 75 kW	IE4				

MODEL	CODE	ELECTRICAL DATA				HYDRAULIC DATA										DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET	
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m ³ /h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2					4.8
				kW	HP															
JETCOM 82 SP M	60213239H	1x230 V	0.8	0.55	0.75	3.9	H (m)	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 T	60181157H	3x230-400V~	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	60213206H	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	1"	1"	8.8	28
EUROCOM SP 40/50 M	60212481H	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 T	60179420H	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

MULTI 4 SW

HORIZONTAL MULTISTAGE SELF-PRIMING ELECTRIC PUMPS



Multi-impeller self-priming pumps ideal for water supply in domestic and garden applications. High-performance and extremely low noise. Available with 4 **Noryl impellers**. Anti-corrosion and anti-oxidation materials. Motor with thermal overheating protection. Double insulation system between motor and hydraulics. Excellent resistance to low temperatures. Equipped with power cable plus plug.

Operating range
flow rate up to 90 L/min; head up to 46 m.
Liquid temperature range
0°C to +35°C for domestic use.
0°C to +40°C for other uses.
Pumped liquid Designed specifically for pumping salt water.
Maximum suction depth 8 metres.
Maximum ambient temperature +40°C.
Protection degree IPX4.
Insulation class F.
Installation fixed or portable in a horizontal position.
Special versions available on request
other voltages and/or frequencies.

SINGLE-PHASE MOTORS P2 ≥120 W IE2

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA										N° IMPELLERS	DNA GAS	DNM GAS	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 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 4 SW M	60212401	1x230V	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

GROUPING: A7

NOVA SALT W

SUBMERSIBLE PUMPS



The Nova Salt W M-A is a multi-use submersible pump specially constructed for pumping **salt water**. Anti-corrosion and anti-oxidation materials. Motor casing, motor shaft and nuts and bolts in AISI 316 stainless steel. Cable with tinned conductors. Motor with thermal overheating protection. Wear-resistant motor shaft and impeller. Excellent motor cooling, allowing the pump to run even when only partially submerged. Automatic version with float switch for automatic pump start and stop and manual version. Equipped with power cable with plug and self-sealing connector.

Operating range
1 to 7.5 m³/h with head up to 6 metres.
Liquid temperature range
0°C to +35°C for domestic use.
Pumped liquid turbid water without fibres, including salt water.
Maximum immersion 7 metres.

MODEL	CODE	ELECTRICAL DATA						HYDRAULIC DATA										DNM GAS	CABLE	WEIGHT KG	QTY PER PALLET
		POWER SUPPLY 50 Hz	P1 MAX kW	P2 NOMINAL		In A	Q=m³h	0	1	2	3	4.5	5	6	7	7.5					
				kW	HP		Q=l/min	0	16.6	33.3	50	75	83.3	100	116.6	125					
NOVA SALT W M-A	60122652	1X230V~	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	10m.	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 m³/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.

Maximum immersion depth 7 metres.

ACCESSORIES
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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		In A	Q=m ³ /h	0	1	2	3	4.5	6	7.5	9	10.5	12	14						
				kW	HP		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 1/4	10 m.	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 1/4	10 m.	6.2	48		

ACCESSORIES

SWIMMING POOL PUMPS

ACCESSORIES

SWIMMING POOL, LAKE AND SALT WATER PUMPS

CONNECTION CABLE KIT	DESCRIPTION	CODE
	CONNECTION CABLE KIT 12 PIN ESWIM (16 METRE KIT)	60194430
UNION KIT	DESCRIPTION	CODE
	2 2" GAS/63MM INLETS, 2 SLEEVES FOR DN50 PIPES, FOR EUROSWM, ESWIM	60120005
FLANGE KIT	DESCRIPTION	CODE
	SUCTION+DELIVERY FLANGE KIT 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

DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

CONTENTS - FIREFIGHTING



1 KDN COMPACT EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH ELECTRIC PUMP AND DIESEL PUMP

EQ - ER

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S4, SS 6, SS 7, SS 8 - EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH 4", 6", 7", 8" SUBMERSIBLE ELECTRIC PUMPS

C5

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1 KVT EN 12845

EN 12845 DIESEL AND ELECTRIC FIREFIGHTING SETS WITH VERTICAL TURBINE PUMPS

ES - ET

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1, 2 NKV EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH VERTICAL ELECTRIC PUMPS

C5

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ACCESSORIES

PAGE 435

1 KDN COMPACT EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH ELECTRIC PUMP AND DIESEL PUMP



Firefighting sets with diesel engine and electric motor ideal for automatic sprinkler and/or hydrant systems in commercial buildings. Designed to be coupled with each other, in order to obtain all the versions and meet all the requirements of standards UNI EN 12845 and UNI 10779.

The pump is coupled by means of an elastic spacer coupling to an electric or diesel motor, capable of supplying the power absorbed by the pump under any pump load condition, from zero flow rate to the flow rate corresponding to a NPSH of 16m (as set out in point 10.1 of standard UNI EN 12845).

Modularity:

UNI EN 12845 DAB firefighting pump sets are supplied in a modular version. This design allows easy transport and installation of DAB fire-fighting sets in pump rooms, even with narrow access doors. Using a coupling kit (supplied as an accessory), all compositions envisaged by the standard (one-two-three pumps, electric or diesel, with or without jockey pump) can be assembled.

Operating range 10 to 650 m³/h

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

0 to 40°C

Maximum ambient temperature

+40°C.

Maximum working pressure

16 bar (1600 kPa) PN16.

Special designs on request

Diesel version with water/water heat exchanger, Bronze impeller.

UNI EN 12845



ACCESSORIES
PAGE 435

CHARACTERISTICS



COLLECTION CISTERN

Cistern for containing any fuel spillage from the diesel tank, including up to 11kW, as required by UNI 11292.



TANK

All motor pumps are equipped with a fuel tank sized for 6 hours of operation, as required for the highest hazard classes by EN 12845 - 10.9.6.



CLAPET VALVE

An inspectable non-return valve is mounted on the delivery port of each main pump to simplify maintenance.



FRAME

Compact steel frame painted RAL 3000 red for pump support, complete with anti-vibration devices to dampen vibrations transmitted to the system.



CONTROL PANELS

All firefighting sets include an electrical control panel according to EN 12845 / UNI 10779 for each main pump and an electrical control panel for the jockey pump, already connected to the main components (motor, pressure switches, sensor, batteries, etc.).



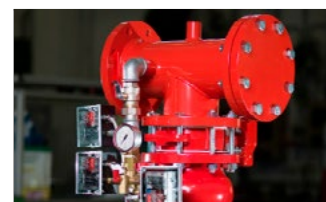
MOTORS

The motors of all main pumps are sized in accordance with EN 12845 - 10.1 to provide the power absorbed by the pump under any load condition up to NPSH of 16 m.w.c.



ALARM REMOTE CONTROL UNIT

Alarm signalling and remote control unit suitable for sets of 1 to 3 pumps.



HIGH QUALITY

Firefighting sets designed and manufactured with components that guarantee a high quality standard.

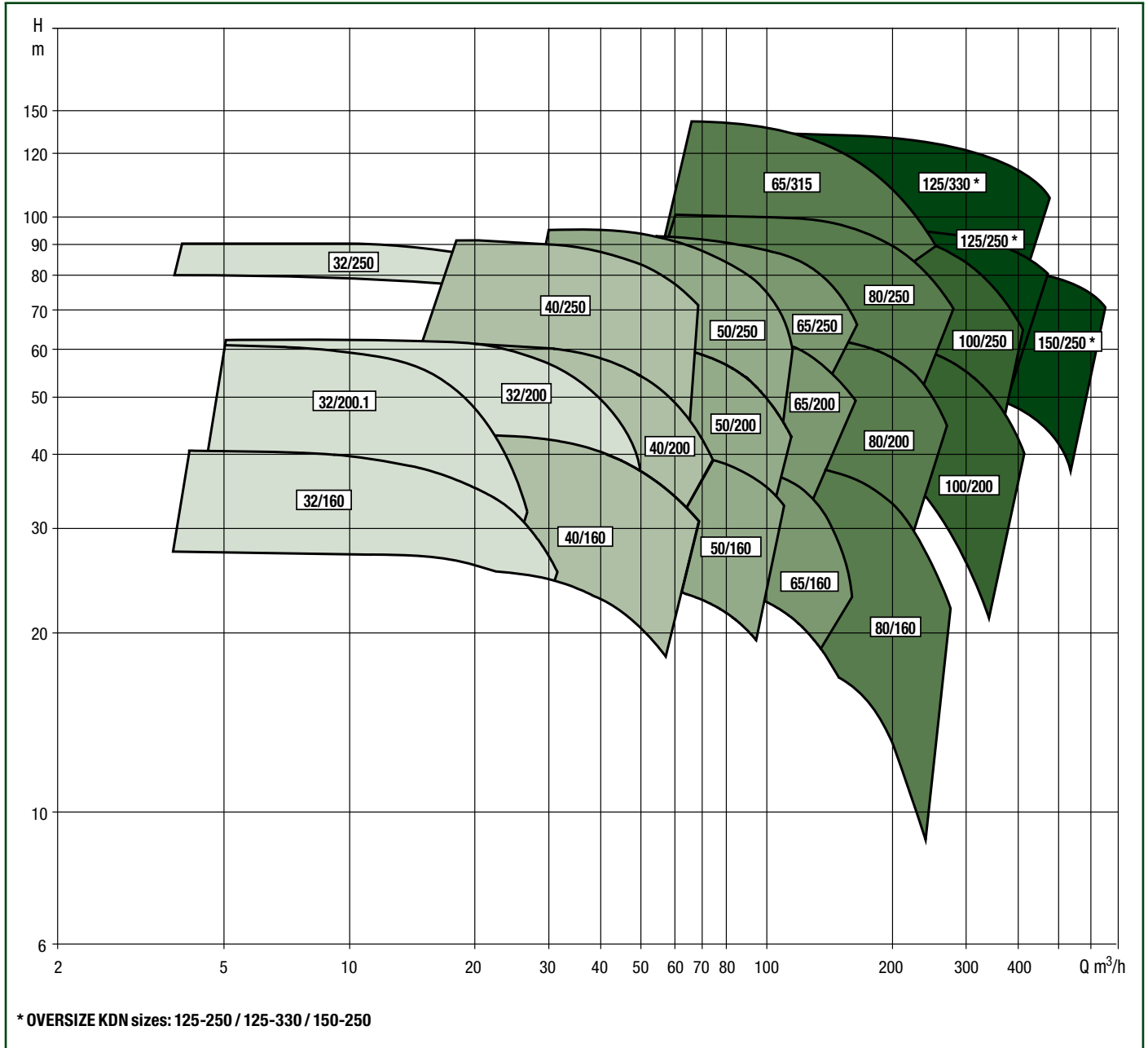
1 KDN COMPACT EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH ELECTRIC PUMP AND DIESEL PUMP



DAB SERVICES

PERFORMANCE 1 KDN COMPACT EN 12845



HEATING AND AIR CONDITIONING

ES/BOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

RANGE WITH OVERSIZE KDN	RANGE WITH STANDARDISED KDN
FLOW RATE: UP TO 650 m³/h	FLOW RATE: UP TO 400 m³/h
HEAD: UP TO 130 m.	HEAD: UP TO 120 m.

1 KDN COMPACT EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH ELECTRIC PUMP AND DIESEL PUMP



TECHNICAL DATA - 1 KDN COMPACT EN 12845 ELECTRIC

1 KDN COMPACT EN 12845

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 3 T 400/50 EN 12845	60174386	3
1KDN 32-160.1/169 4 T 400/50 EN 12845	60174387	4
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
1KDN 32-200/219 11 T 400/50 EN 12845	60174397	11
1KDN 32-250/257 15 T 400/50 EN 12845	60176404	15
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
1KDN 40-200/200 11 T 400/50 EN 12845	60174400	11
1KDN 40-200/219 15 T 400/50 EN 12845	60176405	15
1KDN 40-250/230 15 T 400/50 EN 12845	60176406	15
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
1KDN 50-160/161 11 T 400/50 EN 12845	60176409	11
1KDN 50-160/177 15 T 400/50 EN 12845	60176410	15
1KDN 50-200/190 15 4 00/50 EN 12845	60176411	15
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
1KDN 50-250/230 22 T 400/50 EN 12845	60176414	22
1KDN 50-250/250 30 T 400/50 EN 12845	60176415	30
1KDN 50-250/263 37 T 400/50 EN 12845	60176416	37
1KDN 65-160/153 11 T 400/50 EN 12845	60176417	11
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
1KDN 65-250/230 30 T 400/50 EN 12845	60176420	30
1KDN 65-250/250 37 T 400/50 EN 12845	60176421	37
1KDN 65-250/263 45 T 400/50 EN 12845	60176422	45
1KDN 65-315/275 55 T 400/50 EN 12845	60176423	55
1KDN 65-315/290 75 T 400/50 EN 12845	60176424	75
1KDN 65-315/305 90 T 400/50 EN 12845	60176425	90
1KDN 65-315/320 110 T 400/50 EN 12845	60176426	110
1KDN 80-160/177 30 T 400/50 EN 12845	60176427	30
1KDN 80-200/200 37 T 400/50 EN 12845	60176428	37
1KDN 80-200/222 45 T 400/50 EN 12845	60197223	45
1KDN 80-250/240 55 T 400/50 EN 12845	60176429	55
1KDN 80-250/260 75 T 400/50 EN 12845	60176430	75
1KDN 80-250/270 90 T 400/50 EN 12845	60176431	90
1KDN 80-315/290 110 T 400/50 EN 12845	60187462	110
1KDN 100-200/200 55 T 400/50 EN 12845	60176432	55
1KDN 100-200/219 75 T 400/50 EN 12845	60176433	75
1KDN 100-250/240 90 T 400/50 EN 12845	60176434	90
1KDN 100-250/260 110 T 400/50 EN 12845	60176435	110
1KDN 125-250/264 160 T 400/50 EN 12845	60189108	160
1KDN 125-330/300 160 T 400/50 EN 12845	60198505	160
1KDN 150-250/264 160 T 400/50 EN 12845	60198469	160

1 KDN COMPACT EN 12845 + JOCKEY PUMP

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 3 T 400/50 EN 12845 JET	60174529	3
1KDN 32-160.1/169 4 T 400/50 EN 12845 JET	60174530	4
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
1KDN 32-200/219 11 T 400/50 EN 12845 JET	60174539	11
1KDN 32-250/257 15 T400/50 EN KVCX 85-120	60210980	15
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
1KDN 40-200/200 11 T 400/50 EN 12845 JET	60174540	11
1KDN 40-200/219 15 T 400/50 EN 12845 JET	60176470	15
1KDN 40-250/230 15 T 400/50 EN 12845 JET	60176471	15
1KDN 40-250/240 18,5 T 400/50 EN 12845 JET	60176472	18.5
1KDN 40-250/260 30 T400/50 EN12845 KVCX 85-120	60210856	30
1KDN 50-160/161 11 T 400/50 EN 12845 JET	60176474	11
1KDN 50-160/177 15 T 400/50 EN 12845 JET	60176475	15
1KDN 50-200/190 15 T 400/50 EN 12845 JET	60176476	15
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
1KDN 50-250/230 22 T 400/50 EN 12845 JET	60176479	22
1KDN 50-250/250 30 T 400/50 EN 12845 JET	60176480	30
1KDN 50-250/263 37 T 400/50 EN 12845 KV	60176481	37
1KDN 65-160/153 11 T 400/50 EN 12845 JET	60176482	11
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
1KDN 65-250/230 30 T 400/50 EN 12845 JET	60176485	30
1KDN 65-250/250 37 T 400/50 EN 12845 KVCX	60176486	37
1KDN 65-250/263 45 T400/50 EN12845 KVCX 85-120	60210826	45
1KDN 65-315/275 55 T 400/50 EN 12845 KV 3/15	60176488	55
1KDN 65-315/290 75 T 400/50 EN 12845 KV 3/15	60176489	75
1KDN 65-315/305 90 T 400/50 EN 12845 KV 3/18	60176490	90
1KDN 65-315/320 110 T 400/50 EN 12845 KV 3/18	60176491	110
1KDN 80-160/177 30 T 400/50 EN 12845 KVCX 65-80	60176492	30
1KDN 80-200/200 37 T 400/50 EN 12845 KVCX 65-80	60176493	37
1KDN 80-200/222 45 T 400/50 EN 12845 KVCX 65-80	60192430	45
1KDN 80-250/240 55 T 400/50 EN 12845 KVCX 65-80	60176494	55
1KDN 80-250/260 75 T400/50 EN12845 KVCX 85-120	60211111	75
1KDN 80-250/270 90 T400/50 EN12845 KVCX 85-120	60211140	90
1KDN 80-315/290 110 T 400/50 EN 12845 KV 3/15	60178896	110
1KDN 100-200/200 55 T 400/50 EN 12845 KVCX 65-80	60176497	55
1KDN 100-200/219 75 T 400/50 EN 12845 KVCX 65-80	60176498	75
1KDN 100-250/240 90 T 400/50 EN 12845 KVCX 65-80	60176499	90
1KDN100-250/260 110 T400/50 EN12845 KVCX85-120	60211475	110
1KDN 125-250/235 90 T 400/50 EN 12845 KV3/12	60179280	90
1KDN125-250/264 160 T400/50 EN KVCX85-120	60211612	160
1KDN 125-330/300 160 T 400/50 EN 12845 KV 3/12	60181997	160

DAB SERVICES

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

1 KDN COMPACT EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH ELECTRIC PUMP AND DIESEL PUMP



TECHNICAL DATA - 1 KDN COMPACT EN 12845 DIESEL

1 KDN

MODEL	CODE	P2 (kW)
1KDN 32-160.1/161 6.5 MDY EN12845	60210404	6.5
1KDN 32-160.1/169 6.5 MDY EN12845	60210402	6.5
1KDN 32-160.1/177 6.5 MDY EN12845	60210293	6.5
1KDN 32-160/177 6.5 MDY EN12845	60210337	6.5
1KDN 32-200.1/190 6.5 MDY EN12845	60210383	6.5
1KDN 32-200.1/200 6.5 MDY EN12845	60210375	6.5
1KDN 32-200.1/207 6.5 MDY EN12845	60210272	6.5
1KDN 32-200/180 6.5 MDY EN12845	60210355	6.5
1KDN 32-200/190 6.5 MDY EN12845	60210345	6.5
1KDN 32-200/200 11 MD EN12845	60210259	6.5
1KDN 32-200/210 11 MD EN 12845	60174379	11
1KDN 32-200/219 11 MD EN 12845	60173190	11
1KDN 32-250/257 19 MD EN12845	60209004	19
1KDN 40-160/161 6.5 MDY EN12845	60210413	6.5
1KDN 40-160/177 11 MD EN 12845	60173228	11
1KDN 40-200/200 11 MD EN 12845	60174378	11
1KDN 40-200/219 19 MD EN12845	60208728	19
1KDN 40-250/230 19 MD EN 12845	60176374	19
1KDN 40-250/240 19 MD EN 12845	60176375	19
1KDN 40-250/260 26.8 MDY EN 12845	60194396	26.8
1KDN 40-250/260 28 MDY S.C. EN 12845	60194401	28
1KDN 50-160/161 11 MD EN 12845	60173241	11
1KDN 50-160/177 19 MD EN12845	60209110	19
1KDN 50-200/190 19 MD EN12845	60209121	19
1KDN 50-200/210 19 MD EN 12845	60176379	19
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
1KDN 50-250/263 35 MDY EN 12845	60201756	35
1KDN 50-330/290 53 MD EN 12845	60199647	53
1KDN 50-200/219 23 MDY S.C. EN 12845	60200789	23
1KDN 50-250/230 23 MDY S.C. EN 12845	60193738	23
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
1KDN 65-160/153 11 MD EN 12845	60173270	11
1KDN 65-200/190 19 MD EN 12845	60176384	19
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
1KDN 65-250/263 53 MD EN 12845	60176388	53
1KDN 65-315/275 73.5 MD EN 12845	60203257	53
1KDN 65-315/290 73.5 MD EN 12845	60176390	73.5
1KDN 65-315/305 110 MD EN 12845	60176391	110
1KDN 65-315/320 110 MD EN 12845	60176392	110
1KDN 65-200/200 23 MDY S.C. EN 12845	60200917	23
1KDN 65-250/230 28 MDY S.C. EN 12845	60193817	28
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
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 + JOCKEY PUMP

MODEL	CODE	P2 (kW)
1KDN 65-315/305 110 MD S.C. EN 12845	60186181	110
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
1KDN 80-250/240 73.5 MD EN 12845	60176395	73.5
1KDN 80-250/260 110 MD EN 12845	60176396	110
1KDN 80-250/270 110 MD EN 12845	60176397	110
1KDN 80-315/290 110 MD EN 12845	60178893	110
1KDN 80-160/177 28 MDY S.C. EN 12845	60201185	28
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
1KDN 80-250/270 110 MD S.C. EN 12845	60186199	110
1KDN 80-315/290 110 MD S.C. EN 12845	60199644	110
1KDN 100-200/200 53 MD EN 12845	60176398	53
1KDN 100-200/219 73.5 MD EN 12845	60176399	73.5
1KDN 100-250/240 110 MD EN 12845	60176400	110
1KDN 100-250/260 110 MD EN 12845	60176402	110
1KDN 100-200/200 53 MD S.C. EN 12845	60188847	53
1KDN 100-200/219 MD S.C. EN 12845	60207930	73.5
1KDN 100-250/240 110 MD S.C. EN 12845	60195338	110
1KDN 100-250/260 110 MD S.C. EN 12845	60181028	110
1KDN 125-250/235 110 MD EN 12845	60179313	110
1KDN 125-330/300 164 MD EN 12845	60181996	164
1KDN 125-250/235 MD S.C. EN 12845	60207983	110
1KDN 125-330/300 197 MD S.C. EN 12845	60195745	197
1KDN 150-250/264 164 MD EN 12845	60192388	197
1KDN 150-250/264 197 MD S.C. EN 12845	60206772	197

Heat Exchanger is available on request for diesel motors from 23 kW

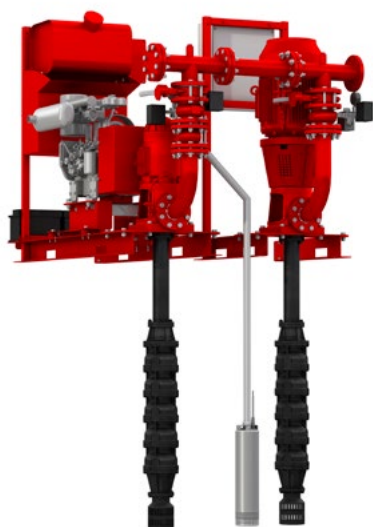
1 KVT EN 12845

EN 12845 DIESEL AND ELECTRIC FIREFIGHTING SETS WITH VERTICAL TURBINE PUMPS



DIESEL MODULE

ELECTRIC MODULE



1 KVT EN 12845 firefighting sets with diesel and electric motors, ideal for automatic sprinkler and/or hydrant systems in commercial buildings, are manufactured with vertical turbine pumps as per UNI EN 12845 article 10.6.1.

Simplified maintenance:

The submerged pump body and above-ground motor drive unit eliminate any priming issues, in addition to making the job of the maintenance technician much easier.

Modularity:

DAB booster sets are designed to be coupled together so as to be able to compose and comply with all versions required by UNI EN 12845.

Available set models:

- 1 KVT EN 12845 EN

consisting of an axial-flow vertical turbine pump with an electric motor including submersible pump, cork plug, control head installed on an appropriate base, electric control panel.

- 1 KVT EN 12845 MD EN

consisting of an axial-flow vertical turbine pump with air or radiator cooled diesel engine (with exchanger on request), including submersible pump, cork plug, control head installed on an appropriate base, electrical control panel, diesel tank sized to ensure 6 hours of operation.

Operating range

4 to 300 m³/h

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

0 to 40°C

Maximum ambient temperature

+40°C.

Maximum working pressure

16 bar (1600 kPa) PN16.

Special designs on request

Diesel version with water/water heat exchanger, performance not in the catalogue.

UNI EN 12845

UNI 10779

ACCESSORIES
PAGE 435

CHARACTERISTICS



VERTICAL TURBINE PUMP

Axial-flow vertical turbine pumps have the enormous advantage of having an under head installation even with an underground tank (UNI EN 12845 - 10.6.1). Vertical turbine pumps are cataphoresis treated and complete with a cork plug and can be coupled to electric motors or diesel engines via the control head, which is installed on an appropriate base.



COUPLING KIT

To make up all the versions permitted by the standard (2-3 pump sets), DAB supplies a coupling kit as an accessory, which must be assembled between the delivery manifolds of the individual sets.



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 cistern is also included (in compliance with UNI 11292) to contain any fuel spillages.



ANTI-VORTEX PLATE

Axial-flow vertical turbine pumps can be equipped with anti-vortex plates to keep the minimum head above the suction (UNI EN 12845 - 9.3.5), in order to make the most of the volume of the storage tank.



FLOW METER

The measuring kit complete with flow meter is to be installed on a branch on the delivery manifold of the set. It is used to check the performance of the main pumps.



AXIAL LINE

The axial line is a flanged cataphoresis treated pipe complete with transmission shaft that connects the submersible pump to the control head and the corresponding guide supports (separate accessory).



CONTROL HEAD

Control head connected to the motor via a 3-part spacer coupling. This allows the 2 elements (motor or pump) to be removed independently, as per UNI EN 12845 - 10.1.



JOCKEY PUMP

Submersible jockey pump complete with 20-litre expansion tank and its own electrical control panel.

1 KVT EN 12845

EN 12845 DIESEL AND ELECTRIC FIREFIGHTING SETS WITH VERTICAL TURBINE PUMPS



DAB SERVICES

HEATING AND AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER SETS

END SUCTION AND VERTICAL MULTISTAGE PUMPS

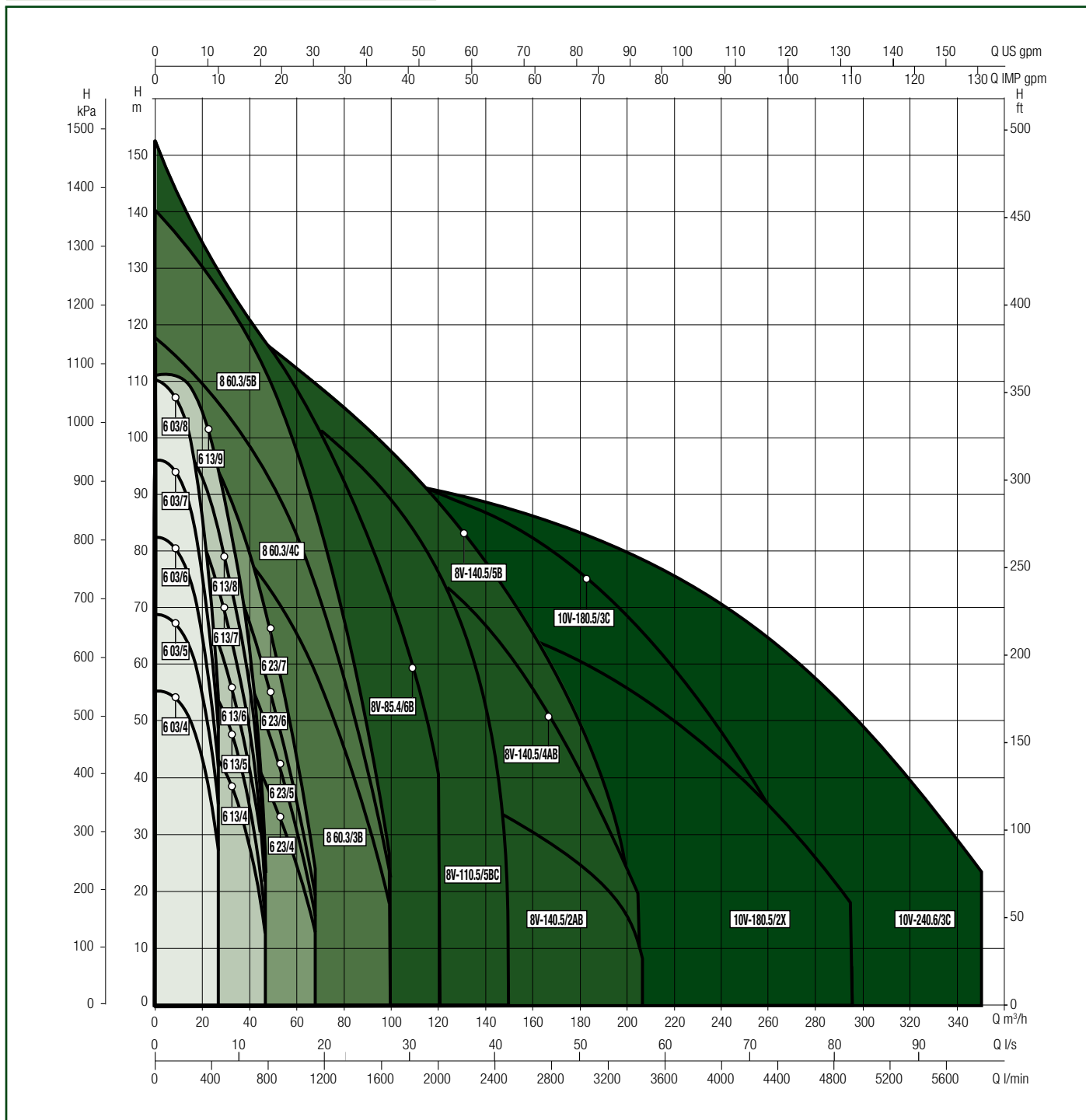
DRAINAGE AND SEWAGE

GROUNDWATER AND IRRIGATION

SWIMMING POOL PUMPS

FIRE FIGHTING

PERFORMANCE 1 KVT EN 12845



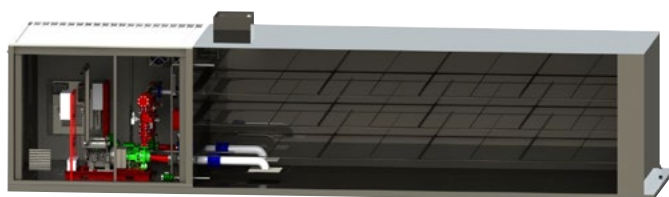
RANGE 1 KVT EN 12845
FLOW RATE: UP TO 320 m³/h
HEAD: UP TO 150 m

INSTALLATION

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS



APPLICATION EXAMPLES INSTALLATION WITH 1 KDN COMPACT EN 12845

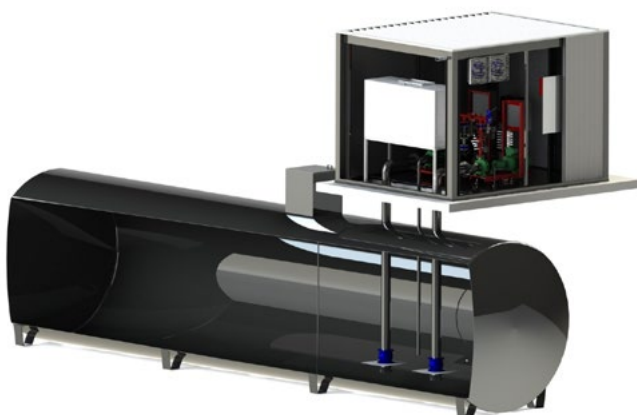


UNDER HEAD INSTALLATION

The standards set out, in order of preference, the various ways in which a pump for a firefighting system can be installed.

End-suction horizontal pumps must be installed under head whenever possible and standard EN 12845 clearly sets out the parameters for under head installation:

- at least two thirds of the effective capacity of the suction tank must be above the level of the pump shaft;
- the pump shaft must not be more than 2 m above the minimum water level in the supply tank.



OVER HEAD INSTALLATION

If an under head installation is not possible, the over head system can be installed. However, over head installation is not recommended by EN 12845, which specifies that it should only be considered if an under head installation is not possible.

The standard indicates the maximum distance between the shaft of the pumps and the lowest point of the suction pipe must be 3.2 m.

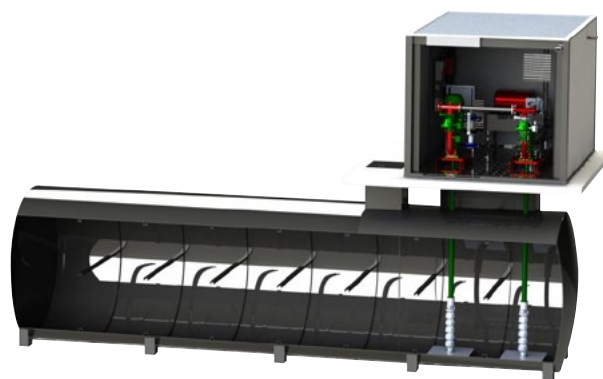
It is also necessary to ensure the priming of the main pumps with a specific priming tank (1 for each main pump) positioned above them.

APPLICATION EXAMPLES INSTALLATION WITH 1 KVT EN 12845

UNDER HEAD INSTALLATION

If an under head installation with end-suction horizontal pumps is not possible, EN 12845 recommends using vertical turbine pumps. Vertical turbine pumps have the enormous advantage of having an under head installation even with an underground tank.

The submerged pump body and above-ground motor drive unit eliminate any priming issues, in addition to making the job of the maintenance technician much easier.



1 KVT EN 12845

EN 12845 DIESEL AND ELECTRIC FIREFIGHTING SETS WITH VERTICAL TURBINE PUMPS





1 KVT EN 12845 WITH ELECTRIC MOTOR | 1 KVT EN 12845 WITH DIESEL MOTOR

MODEL	CODE	P2 (kW)	JOCKEY PUMP FOR COUPLING	MODEL	CODE	P2 (kW)	JOCKEY PUMP FOR COUPLING
1KVT6 03/4 5.5 400/50 EN12845	60179712	5.5	PULSAR 65/50	1KVT6 03/4 6.5 MDY EN12845	60210690	6.5	PULSAR 65/50
1KVT6 03/5 7.5 400/50 EN12845	60179713	7.5	PULSAR 65/50	1KVT6 03/5 6.5 MD EN12845	60210691	6.5	PULSAR 65/50
1KVT6 03/6 7.5 400/50 EN12845	60179714	7.5	S4 3/19	1KVT6 03/6 11 MD EN12845	60179675	11	S4 3/19
1KVT6 03/7 11 400/50 EN12845	60179715	11	S4 3/19	1KVT6 03/7 11 MD EN12845	60179676	11	S4 3/19
1KVT6 03/8 11 400/50 EN12845	60179716	11	S4 3/19	1KVT6 03/8 11 MD EN12845	60179677	11	S4 3/19
1KVT6 13/4 7.5 400/50 EN12845	60179699	7.5	PULSAR 65/50	1KVT6 13/4 6.5 MDY EN12845	60210681	6.5	PULSAR 65/50
1KVT6 13/5 7.5 400/50 EN12845	60179698	7.5	PULSAR 65/50	1KVT6 13/5 11 MD EN12845	60179679	11	PULSAR 65/50
1KVT6 13/6 11 400/50 EN12845	60179700	11	PULSAR 65/50	1KVT6 13/6 11 MD EN12845	60179680	11	PULSAR 65/50
1KVT6 13/7 11 400/50 EN12845	60179696	11	S4 3/19	1KVT6 13/7 11 MD EN12845	60179682	11	S4 3/19
1KVT6 13/8 15 400/50 EN12845	60179697	15	S4 3/19	1KVT6 13/8 19 MD EN12845	60209438	19	S4 3/19
1KVT6 13/9 15 400/50 EN12845	60179701	15	S4 3/19	1KVT6 13/9 19 MD EN12845	60209398	19	S4 3/19
1KVT6 23/4 11 400/50 EN12845	60179705	11	PULSAR 65/50	1KVT6 23/4 11 MD EN12845	60179685	11	PULSAR 65/50
1KVT6 23/5 11 400/50 EN12845	60179704	11	PULSAR 65/50	1KVT6 23/5 19 MD EN12845	60209397	19	PULSAR 65/50
1KVT6 23/6 15 400/50 EN12845	60179703	15	PULSAR 65/50	1KVT6 23/6 19 MD EN12845	60209394	19	PULSAR 65/50
1KVT6 23/7 18.5 400/50 EN12845	60179702	18.5	S4 3/19	1KVT6 23/7 19 MD EN12845	60179687	19	S4 3/19
1 KVT 8 60.3/3B 18.5 3X400 50 IE3 EN12845	60218130	18.5	S4 3/19	1KVT8 60.3/3B 19 MD EN12845	60218133	19	S4 3/19
1 KVT 8 60.3/4C 22.3X400 50 IE3 EN12845	60218450	22	S4 3/19	1KVT8 60.3/5B 35 MDY EN12845	60218553	35	S4 3/19
1KVT8 60.3/5B 30 400/50 EN12845	60218544	30	S4 3/19	1KVT8 140.5/2AB 19 MD EN12845	60211619	19	S4 3/19
1KVT8 85.4/6B 30 400/50 EN12845	60211607	30	S4 1/26	1KVT8 60.3/5B 36.4 MDY S.C. EN12845	60218552	36.4	S4 3/19
1KVT8 110.5/5BC 37 400/50 EN12845	60211614	37	S4 1/26	1KVT8 85.4/6B 36.4 MDY EN12845 S.C.	60211456	36.4	S4 1/26
1KVT8 140.5/2AB 18.5 400/50 EN12845	60211622	18.5	S4 3/19	1KVT8 110.5/5BC 36.4 MDY EN12845 S.C.	60211610	36.4	S4 1/26
1KVT8 140.5/4AB 37 400/50 EN12845	60211658	37	S4 3/19	1KVT8 140.5/4AB 36.4 MDY EN12845 S.C.	60211635	36.4	S4 3/19
1KVT8 140.5/5B 45 400/50 EN12845	60211685	45	S4 1/26	1KVT8 140.5/5B 53 MD EN12845 S.C.	60211670	53	S4 1/26
1KVT10 180.5/2X 45 400/50 EN12845	60211711	45	S4 3/19	1KVT10 180.5/2X 53 MD S.C. EN12845	60211706	53	S4 3/19
1KVT10 180.5/3C 55 400/50 EN12845	60211445	55	S4 1/26	1KVT10 180.5/3C 73.5 MD S.C. EN12845	60211010	73.5	S4 1/26
1KVT10 240.6/3C 75 400/50 EN12845	60211725	75	S4 1/26	1KVT10 240.6/3C 73.5 MD EN12845 S.C.	60211724	73.5	S4 1/26

Heat Exchanger is available on request for diesel motors from 23 kW

ACCESSORIES

KIT PUMP SYSTEM	DESCRIPTION	CODE
	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

Including 18 l expansion vessel, electric control panel, valves for the connection of the jockey pump to the main KVT pump.


1 KVT EN 12845

EN 12845 DIESEL AND ELECTRIC FIREFIGHTING SETS WITH VERTICAL TURBINE PUMPS



DAB SERVICES

ACCESSORIES

LINE SHAFT	MODEL AND LENGHT*	CODE
 <p>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.</p>	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)

HEATING AND
AIR CONDITIONING

ESYBOX LINE

CONTROL UNIT

WATER PRESSURIZATION

BOOSTER
SETSEND SUCTION AND
VERTICAL MULTISTAGE PUMPSDRAINAGE
AND SEWAGEGROUNDWATER
AND IRRIGATION

SWIMMING POOL PUMPS

FIREFIGHTING

S4, SS 6, SS 7, SS 8 - EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH 4", 6", 7", 8" SUBMERSIBLE ELECTRIC PUMPS



TECHNICAL DATA

Firefighting pump sets manufactured to the specifications of European standard UNI EN 12845. Fixed fire-fighting installations - Automatic sprinkler systems. The pumps (both standard and jockey) are supplied with 15 metres of cable as standard.

The 6" to 8" SS 6, 7, 8 electric pumps are made entirely of AISI 304 stainless steel.

NOTES ON UNI EN 12845

Standard UNI EN 12845, the Italian version of the European standard EN 12845, establishes criteria for the design, installation and maintenance of sprinkler systems.

An automatic sprinkler system is designed to detect the presence of a fire and extinguish it at an early stage or to keep the flames under control until it can be extinguished by other means.

The classic sprinkler system includes a water supply, a firefighting pump set, control valves and a network of piping equipped with sprinklers.

The main pump keeps running until it is manually stopped by pressing the STOP button on the electrical control panel.

For hydrant networks, reference should be made to UNI 10779 - July 07. UNI 10779, in addition to requiring supply pumps according to UNI EN 12845, allows, in the case of activities that are not constantly manned, the automatic stopping of pumps 20 minutes after hydrant closure. DAB sets are suitable for both manual shut-off sprinkler networks and automatic shut-off hydrant networks.

OPERATION OF FIREFIGHTING SET IN ACCORDANCE WITH UNI EN 12845

Under normal conditions (zero water demand) the system is under static pressure. At the first demand for water, the jockey pump starts, which restores the system pressure. If the water demand is high (firefighting sprinklers open), the system pressure drops until the two pressure switches connected in series activate the main pump. The two start-up pressure switches must be calibrated to start the pumps at the pressure values indicated in the table below.

Operating range 4 to 160 m³/h

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range
0 to 25°C

Maximum ambient temperature
+25 °C.

Maximum working pressure
16 bar (1600 kPa) PN16.

Special designs on request
With spliced cable on request.

The panels of the sets with submersible pumps are already mounted on a stand for quicker installation.

The pumps (both main and jockey) are supplied with 15 metres of power cable as standard.

All 6" to 8" electric pumps (SS 6 - SS 7 and SS 8) are made entirely of AISI 304 stainless steel.



UNI EN 12845

ACCESSORIES
PAGE 435

ONE-PUMP SETS	P = 0.8 X MAX PUMP PRESSURE	
TWO-PUMP SETS	PUMP 1: P1 = 0.8 X MAX PRESSURE	PUMP 2: P2 = 0.6 X MAX PRESSURE

Ex: Max. pressure 10 bar - pump 1 starts at 8 bar and pump 2 starts at 6 bar.

S4, SS 6, SS 7, SS 8 - EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS 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 SS6 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 SS6 + 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 SS7, 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 SS7, 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 3/25 T 15MT CABLE	60205667

1, 2 NKV EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH VERTICAL ELECTRIC PUMPS



TECHNICAL DATA

Firefighting pump sets manufactured to the specifications of European standard UNI EN 12845. Fixed fire-fighting installations - Automatic sprinkler systems.

NOTES ON UNI EN 12845

Standard UNI EN 12845, the Italian version of the European standard EN 12845, establishes criteria for the design, installation and maintenance of sprinkler systems and replaces the previous Italian standards UNI 9489 and UNI 9490. An automatic sprinkler system is designed to detect the presence of a fire and extinguish it at an early stage or to keep the flames under control until it can be extinguished by other means. The classic sprinkler system includes a water supply, a firefighting pump set, control valves and a network of piping equipped with sprinklers.

The main pump keeps running until it is manually stopped by pressing the STOP button on the electrical control panel.

For hydrant networks, reference should be made to UNI 10779 - July 07. UNI 10779, in addition to requiring supply pumps according to UNI EN 12845, allows, in the case of activities that are not constantly manned, the automatic stopping of pumps 20 minutes after hydrant closure. DAB sets are suitable for both manual shut-off sprinkler networks and automatic shut-off hydrant networks.

OPERATION OF FIREFIGHTING SET IN ACCORDANCE WITH UNI EN 12845

Under normal conditions (zero water demand) the system is under static pressure. At the first demand for water, the jockey pump starts, which restores the system pressure. If the water demand is high (firefighting sprinklers open), the system pressure drops until the two pressure switches connected in series activate the main pump.

The two start-up pressure switches must be calibrated to start the pumps at the pressure values indicated in the table below.

Operating range 4 to 29 m³/h

Pumped liquid clean, free of solids or abrasive substances, non-viscous, non-aggressive, non-crystallised and chemically neutral close to the characteristics of water.

Liquid temperature range

0 to 40°C

Maximum ambient temperature +40°C.

Maximum working pressure

16 bar (1600 kPa) PN16.



UNI EN 12845

ACCESSORIES
PAGE 435

ONE-PUMP SETS	P = 0.8 X MAX PUMP PRESSURE	
TWO-PUMP SETS	PUMP 1: P1 = 0.8 X MAX PRESSURE	PUMP 2: P2 = 0.6 X MAX PRESSURE

Ex: Max. pressure 10 bar - pump 1 starts at 8 bar and pump 2 starts at 6 bar.

1, 2 NKV EN 12845

FIREFIGHTING SETS TO UNI EN 12845 STANDARDS WITH VERTICAL ELECTRIC 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 T 400/50 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 T 400/50 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 10/8 T 400/50 EN 12845 - KV 3/12	60118477
1NKV 10/8 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 T 400/50 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 T 400/50 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

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PRESSURE UNITS

ANTI-VIBRATING JOINT	MODEL	CODE
 <p>FF 2 1/2" PN16 ANTI-VIBRATION THREADED UNION</p>	DN80 PN16 ANTI-VIBRATION THREADED UNION	002139209
	DN100 PN16 ANTI-VIBRATION THREADED UNION	002139210
	DN125 PN16 ANTI-VIBRATION THREADED UNION	002139211
	DN150 PN16 ANTI-VIBRATION THREADED UNION	002139212
	DN200 PN16 ANTI-VIBRATION THREADED UNION	002139263
	DN250 PN16 ANTI-VIBRATION THREADED UNION	002139264
	DN300 PN16 ANTI-VIBRATION THREADED UNION	002139215

FOOT VALVE WITH FILTER	MODEL	CODE
 <p>DN 80 FOOT VALVE WITH FILTER</p>	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

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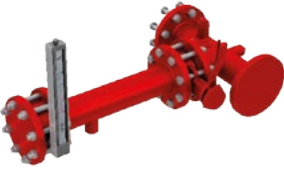
FIRE FIGHTING

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FIRE FIGHTING UNITS UNI STANDARDS EN 12845


SUCTION KIT		DESCRIPTION	KDN	1/2 NKV	S4-SS 6/7/8	KVT	CODE
 <p>PRESSURE GAUGE INCLUDED</p>	<p>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:</p> <ul style="list-style-type: none"> - 1 KIT for 1NKV units - 2 KITS for units 2NKV 	SUCTION KIT FOR NKV 10 EN 12845 (DN 65)		•			60124052
		SUCTION KIT KDN 32 EN (DN 80)	•	•			60124053
		SUCTION KIT KDN 40 EN (DN 100)	•				60124054
		SUCTION KIT KDN50 EN (DN150)	•				60217296
		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	
	<p>Only in the case of units comprising two modules (electric pump and/or Diesel pump) 1 coupling KIT is required.</p>	COUPLING KIT KDN 32 EN L=880	•				60199937	
		COUPLING KIT KDN 32 EN L=985	•				60199995	
		COUPLING KIT KDN 40 EN L=1000	•				60200011	
		COUPLING KIT KDN 50 EN - KVT (DN 80) L=1017	•			•	60200215	
		COUPLING KIT 2KDN 65 EN 12845 L=1054	•				•	60200986
		COUPLING KIT KDN 80 EN - KVT (DN 125) L=1054	•				•	60200801
		COUPLING KIT 2KDN 100 EN12845 L=860	•					60212622
		COUPLING KIT 2KDN 125 EN 12845 L=740	•					60201608


FLOW METER KIT		DESCRIPTION	KDN	1/2 NKV	S4-SS 6/7/8	KVT	CODE	
	<p>The measuring kit with flow meter must be installed on a branch on the delivery manifold of the set.</p> <ul style="list-style-type: none"> • 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 L=880	•					60199940
		FLOWMETER KIT KDN 32-250 EN L=985	•				•	60199998
		FLOWMETER KIT KDN 40 EN	•					60200016
		FLOWMETER KIT KDN 50 EN - KVT (DN 80) L=1017	•				•	60200218
		FLOWMETER KIT KDN 65 EN 12845 L=1054	•					60200978
		FLOWMETER KIT KDN 80 EN - KVT (DN 125) L=1054	•				•	60200788
		FLOWMETER KIT KDN 100 EN 12845 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
		FLOWMETER KIT NKV 15-20 EN12845		•				60118576

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FIRE FIGHTING UNITS UNI STANDARDS EN 12845

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: <ul style="list-style-type: none"> • 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 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

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FOOT VALVE WITH FILTER		DESCRIPTION	KDN	1/2 NKV	S4-SS 6/7/8	KVT	CODE
 <p>These are required to maintain priming of the pump suction, in overhead installations. The following is required:</p> <ul style="list-style-type: none"> • 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
 <p>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.</p> <ul style="list-style-type: none"> • 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
 <p>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.</p> <ul style="list-style-type: none"> - 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
 <p>N. 1 per pump</p>	PRIMING TANK (500 LT.) EN 12845	•	•			60110538	



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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


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 19 kW LD diesel engines	GASOLINE HARVESTER FOR 50 L TANK (19 KW LD)	•				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


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SPARE PART KIT FOR DIESEL ENGINE		DESCRIPTION	KDN	1/2 NKV	S4-SS 6/7/8	KVT	CODE
 <p>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.</p>	SPARE PART KIT FOR DIESEL ENGINE 6.5KW	•			•	60211151	
	SPARE PART KIT FOR DIESEL ENGINE 11-KW (25LD)	•			•	60115038	
	SPARE PART KIT FOR DIESEL ENGINE 19-KW (9LD)	•			•	60115037	
	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 ENGINE Y 35-36.4KW (4TNV88)	•			•	60193998	
	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	
DIESEL MOTOR KIT 197KW (N67 MNT F42)	•				60204520		


KIT FLOW SWITCH		DESCRIPTION	KDN	1/2 NKV	S4-SS 6/7/8	KVT	CODE
 <p>Suitable for sets with 1 or 2 pumps</p>	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

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HORIZONTAL POSITIONING KIT		DESCRIPTION	KDN	1/2 NKVS4-SS6/7/8	KVT	CODE
		HORIZONTAL POSITIONING KIT 4"		•		60125181
		HORIZONTAL POSITIONING KIT 6"		•		60146398

FILTER KIT		DESCRIPTION	KDN	1/2 NKVS4-SS6/7/8	KVT	CODE
		FILTER KIT 4"		•		60125182
		FILTER KIT 6"		•		60146399

PRESSURE SWITCH		MODEL	CODE
	Spare part of pressure switch used for fire-fighting units	PRESSURE SWITCH KPI36 2-12 BAR EN 12845	60127439

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DAB'S GENERAL TERMS AND CONDITIONS OF SALE AND DELIVERY OF PRODUCTS AND SERVICES

1. APPLICATION

- 1.1 These General Terms and Conditions of Sale and Delivery ("General Terms and Conditions of Sale") apply to the delivery by DAB PUMPS SPA (hereinafter "DAB") of products, services, and products in connection with services to its Clients (hereinafter individually referred to as the "Client").
- 1.2 These General Terms and Conditions of Sale apply exclusively. Any waiver or supplementation at the Client's request is excluded unless expressly confirmed in writing by DAB.
- 1.3 Client's receipt of products or services constitutes de facto acceptance of these General Terms and Conditions of Sale. The offer, acceptance, the General Terms and Conditions of Sale (whether or not referenced) any attachments and any other documents explicitly accepted by DAB, constitute the Contract for Client's purchase of products or services (the "Contract").

2. ACCEPTANCE OF ORDERS

- 2.1 All orders must be submitted fully completed to DAB in writing by e-mail or other electronic system agreed upon by the parties (e.g., EDI and/or D2B).
- 2.2 Orders placed verbally or by telephone must be confirmed by the Client in writing via e-mail.
- 2.3 DAB shall not be liable for errors in order processing due to the Client's failure to provide written confirmation or incomplete completion of the submitted order.
- 2.4 Client must ensure that DAB's acceptance corresponds with Client's offer. If Client fails to notify DAB of any non-correspondence without undue delay, DAB's acceptance will be binding upon Client.

3. CANCELLATION OR MODIFICATION OF ORDERS

- 3.1 Client shall be liable for damages caused by withdrawal or modification of orders, which in any case shall not be considered valid and effective without written acceptance by DAB.
- 3.2 In case of accepted request for order modification and/or cancellation, DAB may ask the Client to pay a handling fee of 20% of the net value from price list in the case of standard and/ or "high rotation" products (excluding customized products). In case of a request for modification and/or cancellation of the order related to fire-fighting assemblies, the practice management fee will be 35% of the net value from price list.

4. DELIVERY OF PRODUCTS

- 4.1 Unless otherwise agreed in writing between the parties, delivery of the Products is agreed DAP (Incoterms 2020).
- 4.2 The term for delivery shall commence on the date of the notice that the Products have been made available.
- 4.3 DAB will make every reasonable effort to execute the contract and/or deliver the Products within the agreed terms, although such terms shall as of now be deemed indicative and never binding. Therefore, under no circumstances shall DAB be liable for damages directly or indirectly caused by the delayed performance of a contract or the delayed delivery of Products.
- 4.4 In any event, DAB shall not be held liable for any delays in delivery due to unforeseeable circumstances, force majeure, or otherwise causes beyond its control. In such cases, DAB will process the order as soon as the impeding causes have ceased.
- 4.5 If the Client refuses to take delivery of the Products, in whole or in part, on the delivery date agreed upon between the Parties, the Client shall be obliged to pay the full price of the Products as if they had been delivered, without prejudice to DAB's right to charge the Client for the costs of transport and storage of the goods, as well as compensation for any additional damage.

5. DELIVERY OF SERVICES

- 5.1 DAB shall perform the services professionally and skillfully.
- 5.2 DAB shall perform the services at the agreed place and time, provided that all technical details and formalities concerning the execution of the Contract are available to DAB.
- 5.3 DAB shall perform the services during normal working hours (weekends and national holidays are outside normal working hours). The parties may agree that DAB shall perform work outside normal working hours; DAB will invoice for such hours at DAB's applicable rates.
- 5.4 Clause 4.5 shall apply if Client does not take delivery of the services or part thereof as agreed.
- 5.5 DAB shall use reasonable endeavours to observe all Client's health and safety rules and regulations, and any other reasonable security requirements that apply at Client's premises, which Client has communicated to DAB. DAB shall not be liable for any breach of its obligations under the Contract, to the extent that such breach is due to DAB' observation of Client's health and safety regulations, unless DAB had received a written copy of such regulations before entering into the Contract.
- 5.6 Unless otherwise agreed, DAB will arrange for services to be performed by one person. In due time before DAB' performance of the services, Client shall inform DAB, if the performance of services will require more than one person. If Client fails to do so, DAB may invoice and Client shall pay applicable accrued costs, notwithstanding whether or not services have been completed.
- 5.7 DAB shall be entitled to sub-contract any of its obligations without the consent of Client. DAB is liable for any acts or omissions of its sub-suppliers.

6. RISK AND TITLE

- 6.1 Unless the Parties agree otherwise, the products shall remain the property of DAB until DAB has received the full amount of the agreed payment, and only upon receipt of payment shall ownership pass to the Client. If the Client does not make said payment in full, DAB shall have the right to take back the products at the Client's expense. Such retention of title shall not affect the passing of risk.
- 6.2 For products delivered in connection with service, the risk of loss of or damage to the products will pass to Client on completion of the services. However, if the products are delivered together with the services, but so that the products are temporarily placed at Client's/end-user's site until installation (without DAB being present at the site), the risk of the products passes to Client when DAB delivers the products to the site.

7. CLIENT'S OBLIGATIONS

- 7.1 The Client, at its own expense, must:
 - Cooperate with DAB for service delivery and provide necessary access to premises and facilities.
 - Ensure suitable site conditions (lighting, power, etc.) and provide accurate, functional documents, tools, and materials ("In-Put Materials").
 - Prepare and maintain premises, including handling hazardous materials as required by law.
 - Inform DAB of any product issues, all relevant health and safety rules, and obtain necessary permits and approvals.
 - Confirm ownership of equipment to be serviced and avoid granting third-party access that could interfere with DAB's services.

8. PRICES AND TERMS OF PAYMENT

- 8.1 Prices shown in DAB's price list are exclusive of any tax or duty and ex DAB factory. Prices, therefore, do not include charges for transportation, insurance, or other similar charges.
- 8.2 DAB reserves the right to change the list prices of products and services at any time without prior notice. If a price is changed after receipt of the Client's order, DAB reserves the right, at its discretion, to apply the price change to the Client. If the Client does not accept the price change applied, it shall be DAB's right to cancel the Client's order with the sole obligation to return any advance payments and with the express exclusion of any further demands and claims by the Client for any reason whatsoever.
- 8.3 DAB shall invoice the Client upon delivery. Payment must be made exclusively to DAB, in accordance with the terms stated in the order confirmation or, in the absence thereof, within 30 days from the invoice date and, in any case, by the due date indicated on the invoice.
- 8.4 If Client does not pay on the due date, DAB may, with no effect on any other right or remedy that DAB may have under applicable law, claim payment for reminders, collection charges and interest. Interest is fixed at 2 % per month (or the highest interest rate under applicable law). Interest will accrue daily from the due date until actual payment of the overdue amount. DAB may also (i) make further supply subject to guaranteed payment and suspend other deliveries until Client has provided the guarantee required by DAB; or (ii) suspend the provision of further deliveries until Client has paid the overdue amounts in full.
- 8.5 If Client does not pay overdue invoices (despite one reminder) or in the event of termination of the Contract, then all payments payable to DAB, become due for immediate payment.

9. INTELLECTUAL PROPERTY RIGHTS

- 9.1 The Client shall use the Products in a manner that does not infringe the rights of any third party.
- 9.2 Nothing in the Contract or otherwise transfers or assigns any intellectual property rights, in or arising out of or in connection with the products or services and in any drawings, descriptions, manuals or other documentation given by DAB to Client.
- 9.3 The Client may be authorized by DAB to use the trademarks, logos, or other distinctive marks of the DAB Group solely for the purpose of identifying and advertising the Products, subject to DAB's directions and requests. The Client undertakes to use DAB's trademarks, logos, and other distinctive marks strictly in accordance with DAB's Brand Book, which is available on DAB's official website, and any related guidelines provided by DAB. Any use not compliant with the Brand Book or DAB's instructions shall be considered a material breach of contract.

DAB'S GENERAL TERMS AND CONDITIONS OF SALE AND DELIVERY OF PRODUCTS AND SERVICES

10. LIMITATION OF LIABILITY

- 10.1 DAB assumes liability for personal injury (including death or injury) and damage to real and personal property caused by defective products, to the extent required by applicable mandatory product liability law. For damage to real and personal property (excluding consumer property), DAB's total liability shall not exceed the higher of the maximum amount covered by its insurance policy and the amount set out in Clause 10.3. The Client assumes all product liability not expressly allocated to DAB under this clause. If either party is held liable for damages that, under this clause, should be allocated to the other party, the latter shall indemnify the former for any amount paid in excess of its allocated responsibility under Clause 10.1.
- 10.2 To the extent permitted by applicable law, DAB is not liable (in contract, tort (including negligence), breach of statutory duty or otherwise) for loss of production, loss of turnover, loss of profit, loss of business opportunity, loss of data, loss of savings, loss of goodwill, loss relating to unauthorised access to data or systems, loss as a result of business interruption, or any other indirect or consequential losses of any kind whatsoever arising under, relating to or in connection with the Contract or a breach hereof.
- 10.3 To the extent permitted by applicable law, DAB's total liability (including in regard to payment of liquidated damages (if any) and third-party claims) towards Client for damages and losses incurred due to breach of obligations arising out of or in connection with the Contract, from tort (including cases of gross negligence), breach of statutory obligations or otherwise, shall never exceed 30% of the total amount paid or payable by the Client under the Contract (excluding VAT and taxes) on which the claim is based.
- 10.4 The limitation of liability set forth in Sections 10.2 and 10.3 above shall not apply if the act or omission of one party causes personal injury to the other, or if the party causes damage to the other intentionally or by acting with gross negligence.
- 10.5 The Client and DAB agree that the price of products and services reflects the balance of mutual rights and obligations under the contract, including expressly the limitations set forth in this Clause 10.
- 10.6 With respect to any Proceeding (meaning any judicial, administrative, or arbitration action, suit, claim, investigation, or other proceeding) brought by a third party (other than the Client) against DAB, arising out of or in connection with the Contract, the Client's purchase or use of the products, and/or purchase of services, the Client shall indemnify and hold DAB harmless from all Losses (meaning litigation expenses and any loss) resulting from such Proceeding, except to the extent that DAB negligently or intentionally caused those Losses.

11. CODE OF CONDUCT

- 11.1 The Client declares that they have read and understood the DAB Code of Conduct, available at www.dabpumps.com/it, and undertakes not to engage in any conduct that may result in a breach thereof, further committing to extend this obligation to their own employees.
- 11.2 Failure to comply with the provisions of this document shall constitute a material breach of contract. In cases that DAB, at its sole discretion, considers more serious, DAB reserves the right to terminate the Contract with immediate effect, without prejudice to its right to claim damages.

12. EXPORT CONTROLS AND INTERNATIONAL SANCTIONS

- 12.1 Any delivery under the Contract, may be subject to applicable export controls and trade sanctions regulations, including such regulations enforced by the European Union, the United Nations and the United States.
- 12.2 Any delivery of products and services to the Client, is subject to the circumstance that the Client complies with all applicable export controls and trade sanctions laws, and implements in its organization procedures for compliance and control to such regulations.
- 12.3 If due to export control and trade sanction rules, DAB considers that it is or will be prohibited, hindered, restricted or significantly adversely affected in complying with its obligations under the Contract, DAB may cancel or postpone the delivery of the products or services. In such cases, DAB will not be liable for any direct or indirect claim or loss.
- 12.4 In order to enable Authorities or DAB to conduct audits on Client's compliance with export control and international and trade sanctions regulations, or in support of DAB's requests to the relevant authorities in connection with the export and/or sale of the products and/or services under the Contract, Client agrees to promptly and without delay, upon request from DAB or from the relevant authority, provide all information regarding the final recipient, parties involved in the delivery, particular destinations, and the specific intended use of the products and services.
- 12.5 The Client undertakes not to sell or export goods to Russia or Belarus, in compliance with applicable regulation and will make every reasonable effort to ensure that third parties in the commercial chain do not violate this provision.
- 12.6 Any breach of the obligations outlined in this Clause shall be considered a material breach of the contract, for which DAB shall have the right to terminate this contract and seek compensation for damages.

13. TRANSPORT

- 13.1 Delivery will be made in the manner agreed upon between the Parties by the appointed Carrier. Upon receipt of the goods and in the presence of the Carrier's appointee, the Client shall be required to verify and notify the Carrier and DAB immediately of any visible defects or shortages in the products, and ensure that the products received correspond to what is described in the order confirmation and the Delivery Note. If the Client fails to make such verification and/or such notification without delay, thereby accepting without any reservation expressly noted on the waybill or Carrier's PDA, the Client shall forfeit the right to claim any defects in the delivered products, which the Client could have discovered during such examination.
- 13.2 With respect to deliveries by couriers contracted with DAB, with the Client being charged on the invoice, any damage or shortage of goods must be promptly notified to DAB within 8 days of receipt of the goods. Upon receipt, the Client shall have the damage noted on the carrier's waybill or PDA, using the words "SPECIFIC RESERVATION OF CONTROL FOR..." (e.g., Damaged/Missing Goods) ("Reservation of Control"). In the absence of specific Reservation of Control or reporting after the 8 days after receipt of the goods, you lose your rights to compensation or replacement. A Reserve of Control without the reason, i.e., without specifying the type of anomaly, will result in DAB's non-acceptance of the file and the Reserve of Control itself.
- 13.3 With reference to deliveries made by couriers appointed by the Client, in order to manage the courier reservation on behalf of the Client, the Client must indicate the subscription code within the order. In its absence, DAB will not guarantee the booking process. In case of any damage or shortages caused by the delivery by the Client's appointed carrier, DAB will not be liable in any way. It will be the Client's responsibility to forward the claim directly to its carrier.
- 13.4 Once the goods have been accepted with a duly motivated and completed Reserve of Control, the Client must promptly notify DAB in writing with the Delivery Note or shipment number within the mandatory term of 8 days from receipt of the goods. The communication must also specify all useful information that will allow DAB to be able to proceed both to the eventual replacement of the damaged product and to initiate the request for reimbursement of the damage to the carrier in charge of delivery (description of the damage with photo). Affixing the Reserve of Control to dispute the damage is a right provided by law, if the carrier refuses to have the Reserve of Control affixed, the Client must refuse delivery of the goods by reporting the reason and contact DAB promptly.
- 13.5 If there is damage to the product when the package is opened and the Client has not previously affixed the Reserve of Control with justification, DAB will not be able to activate the file for compensation for delivery damage.

14. WARRANTY

- 14.1 DAB warrants that the Products conform to what was agreed upon and are free from original defects and faults related to its design and/or manufacture such as to make them unsuitable for the use for which they are usually intended. In order to receive complete information with regard to the warranty terms, the Client agrees to read the appropriate document containing the general warranty terms and conditions available on DAB's website or in printed form in the price list.

15. RETURNS

- 15.1 No return of new products purchased by DAB with request for credit or replacement will be accepted, except in exceptional cases to be screened and authorized in advance in writing by DAB from time to time.

16. TERMINATION

- 16.1 If the Client fails to fulfill the obligations related to the contract, DAB may send a written notice specifically indicating the contested default and, if the Client has not remedied said default within the next 15 (fifteen) days, DAB shall have the right to terminate the contract without further notice.
In the event that the Client becomes subject to bankruptcy, insolvency proceedings, liquidation, or any other procedure indicating financial distress or inability to meet its obligations, DAB shall have the right to terminate the Contract with immediate effect by written notice, without incurring any liability, penalty, or obligation to compensate the Client for any damages or losses resulting from such termination.
- 16.2 During the period of default, DAB reserves the right to take all appropriate measures to protect its interests.
- 16.3 Termination of the Contract (regardless of the cause) will not affect those provisions of the Contract which, by nature or necessity, provide that they operate after any expiration.
- 16.4 In the event of termination of the Contract, for whatever reason and/or cause intervened, DAB shall be entitled to payment for supplies made, orders in progress up to the date of termination of the Contract.

DAB'S GENERAL TERMS AND CONDITIONS OF SALE AND DELIVERY OF PRODUCTS AND SERVICES

17. MISCELLANEOUS

- 17.1 The Contract may not be assigned or transferred to third parties, in whole or in part, by the Client, without the prior written consent of DAB. DAB reserves the right, without prior notice, to assign the rights and obligations under the Contract, to any company within the DAB Group, whose list can also be found on DAB's website.
- 17.2 A quotation by DAB is valid for a period of 30 days from the date of issuance unless DAB has specified otherwise in the quotation. DAB reserves the right to change the quotations before the expiration of the validity period if the Client has not yet placed a purchase order.
- 17.3 All illustrative and descriptive documentation of the products, such as photographs, drawings, technical specifications, price, size and weight data are intended to be merely indicative and DAB is not responsible for any inaccuracies in the information contained therein. DAB may at any time without being liable correct typographical, clerical or other errors or omissions in sales material, quotations, price lists, order confirmations, invoices or other documents or information issued by DAB.
- 17.4 DAB shall have the right to make any changes to the products and services that are necessary to comply with applicable laws or safety requirements, or that do not materially and adversely affect the nature or quality of the products and services. Such changes may be made at any time without prior notice or the need to obtain the Client's consent.
- 17.5 DAB reserves the right to manufacture the products in any of the Group's plants.

18. CONFIDENTIALITY AND PERSONAL DATA

- 18.1 The Parties agree to keep strictly confidential and not disclose, by any means and in any way the contents of the Contract, all information of a technical and commercial nature, specifications, prices, inventions, processes, initiatives and all other information concerning the disclosing party's business, its products and services that are of a confidential nature (Confidential Information) throughout the contract term. The obligations under this Clause 18.1 apply from the execution of the Contract and, subject to applicable law, for a period of 5 years after the Contract expires or is terminated.
- 18.2 DAB guarantees that the processing of personal data provided in connection with the conclusion of the Contract will be carried out in accordance with the principles of lawfulness, fairness and transparency and always in a manner that complies with the applicable data protection laws. To learn more visit DAB's website where the DAB privacy notice is available.

19. FORCE MAJEURE

- 19.1 Neither party shall be in breach of the Contract nor liable for delay in performing, failure to perform or any of its obligations that is caused by an event or condition beyond the reasonable control of either party, including, but not limited to: acts of God, fire, hurricane, flood, explosions, strike, boycott, labor disputes, epidemics, pandemics, viral emergencies or acts of Government Authority ("Force Majeure"). In the event of a Force Majeure, the parties agree to suspend the affected party's obligations until the Force Majeure situation ceases to exist, and such affected party shall not be liable for any kind of losses or damages whatsoever incurred during the period of Force Majeure.
- 19.2 Either party may terminate the Contract with immediate effect upon notice to the other party if the period of Force Majeure continues for a period of 3 consecutive months. In case of termination due to such circumstances, neither party shall be liable to the other for such termination. However, such termination will not affect any pre-existing liabilities or claims or any other provisions of the Contract.

20. APPLICABLE LAW AND JURISDICTION

- 20.1 The Contract, and any dispute or claim arising out of or in connection with its subject matter 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. The parties irrevocably agree that the Courts of Padova shall have exclusive jurisdiction over any dispute or claim (including non-contractual disputes or claims) that arises out of, or in connection with, the Contract or its subject matter or formation.
- 20.2 Partially derogating from what is outlined in Clause 20.1 above, DAB, at its discretion, shall have the option to waive the application of Italian law and the jurisdiction of the Court of Padua, to take legal action against the Client, at its domicile and the Court having jurisdiction there

CERTIFICATES




CERTIFICATO N. 9101.COGE
CERTIFICATE N.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD) Italy
UNITÀ OPERATIVE/OPERATIVE UNITS

Vedere gli Allegati per gli altri Siti (n° 6 allegati)
View the Annexes for the other Sites (n° 6 pages)

E' CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD

ISO 9001:2015

PER LE SEGUENTI ATTIVITÀ / 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 È 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
	17/07/1995	16/05/2024	27/05/2027

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Orsigo




IAF: 18,19,29



MS N° 0005MS
Membro degli Accordi di Milano
Member of the Accords of Milan
Signatory of IAF, IAF and IAF-MILANO
Signatory of IAF, IAF and IAF-MILANO

La validità del certificato è subordinata a sorveglianza annuale e ricertificazione triennale
The validity of the certificate is subordinated to annual surveillance and triennial recertification
The validity of the certificate is subordinated to annual surveillance and triennial recertification

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ALLEGATO n. 9101.COGE-4
ANNEX No.

DWT HOLDING SPA
DAB PUMPS SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD) Italy
DWT HOLDING SPA
VIA MARCO POLO 14 - 35035 MESTRINO (PD) Italy

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 ATTIVITÀ SVOLTE PRESSO IL SINGOLO SITO/UNITÀ 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 VALIDITÀ 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
	17/07/1995	16/05/2024	27/05/2027

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flavio Orsigo




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For more information.





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