SUBMERSIBLE PUMPS AND MOTORS
PRODUCT OVERVIEW
With over 2 million units produced every year, DAB's electronic pumps are synonymous with technology and reliability.

Thanks to the merger with TESLA, a leading Italian manufacturer of submersible motors, DAB is now also the first Italian manufacturer of submersible motors with more than 200,000 units produced last year.

Joined to DAB production of a wide range of submersible pumps from 3" to 24", we are able to provide adequate solutions for every kind of application, from small domestic irrigation to the most important industrial applications and water supply.

There are also special versions of pumps for use in waters with varying degrees of aggressiveness.

The range of TESLA motors, entirely designed and manufactured in Italy with ISO 9001 certified processes, is able to cover all your needs and includes water encapsulated engines (4" and 6"), water cooled rewindable (up to 14) and oil filled rewindable (4").

DAB puts at your disposal a dedicated technical and commercial office, which provides product development, immediate support and flexibility, while also offering a high degree of customization.
DAB is compliance with EcoDesign Directive (ErP - Directive Energy related Products - 2009/125/CE) EC Regulation 547/2012 which provides:

FOR MULTISTAGE SUBMERSIBLE PUMPS (MSS) 4” AND 6”
• starting from 01 January 2015 MEI ≥ 0,4
### SERIES

<table>
<thead>
<tr>
<th>SUBMERSIBLE PUMPS</th>
<th>MICRA HS - MICRA</th>
<th>CS4</th>
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<tbody>
<tr>
<td><strong>MICRA HS</strong></td>
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<td><strong>CS4</strong></td>
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<tr>
<td><strong>HIGH SPEED</strong></td>
<td><img src="image.png" alt="Image" /></td>
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<td><strong>110 Hz</strong></td>
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### TECHNICAL DATA

**MICRA HS**
- **MAX DELIVERY**: 5.5 m³/h
- **MAX HEAD**: 90 m
- **MAX FREQUENCY**: 110 Hz (6300 rpm)

**MICRA**
- **MAX DELIVERY**: 2.5 m³/h
- **MAX HEAD**: 230 m
- **MAX FREQUENCY**: 50 Hz (2900 rpm)

**CS4**
- **MAX DELIVERY**: 6 m³/h
- **MAX HEAD**: 230 m
- **POWER RANGE**: 0.37 kW - 1.1 kW / 0.5 hp - 1.5 hp

### FEATURES

**MICRA HS**
- **HYDRAULIC PART**
  - Pump body: Stainless steel
  - Impellers: noryl
  - Diffusers: self-lubricating polyacetal
  - Base support and head: brass

**MICRA**
- **HYDRAULIC PART**
  - Pump body: Stainless steel
  - Impellers: noryl
  - Diffusers: noryl
  - Base support and head: tecnopolymer

**CS4**
- **MOTOR**
  - Type: 3HS: high speed - canned water-filled
  - 3GF: canned water-filled
  - Materials: AISI 304 Stainless steel and brass

**EXTRA**
- **MICRA HS PACKAGE INCLUDES THE ACTIVE DRIVER M/T 2.2**
- **110 Hz**
- **SUPPLIED WITH CONTROL BOX FOR THE SINGLE PHASE VERSION, 15 or 30 meters cable and security rope**
- **AVAILABLE VERSION WITH 4TW MOTOR WITH INTEGRATED CAPACITOR WHICH DOES NOT REQUIRE THE USE OF CONTROL BOX**

For additional information please consult our technical literature.
## SERIES

### SUBMERSIBLE PUMPS

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>S4</th>
<th>SS6 - SS7 - SS8 - SS10</th>
</tr>
</thead>
</table>
| HYDRAULIC PART | • Pump body: Stainless steel  
- Impellers: noryl  
- Diffusers: noryl  
- Base support and head: AISI 304 stainless steel | • Pump body: AISI 304 pressed steel  
- Impellers: AISI 304 pressed steel  
- Diffusers: AISI 304 pressed steel |

| MOTOR | • Type:  
- 4GG: canned water-filled  
- 4OL: rewindable oil-filled  
- Materials: AISI 304 stainless steel | • Type:  
- 6GF: canned water-filled  
- TR6 - TR10: rewindable water-filled  
- Materials: AISI 304 stainless steel and cast iron |

<table>
<thead>
<tr>
<th>EXTRA</th>
<th>AVAILABLE VERSION WITH 4TW MOTOR WITH INTEGRATED CAPACITOR WHICH DOES NOT REQUIRE THE USE OF CONTROL BOX</th>
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<td>AVAILABLE ON REQUEST CONTROL PANELS, INVERTER PANELS AND ACCESSORIES. ADDITIONAL INFORMATION ON PRICE LIST.</td>
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</tbody>
</table>

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>S4</th>
<th>SS6 - SS7 - SS8 - SS10</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX DELIVERY: 27 m³/h</td>
<td>MAX DELIVERY: 260 m³/h</td>
</tr>
<tr>
<td>MAX HEAD: 318 m</td>
<td>MAX HEAD: 670 m</td>
</tr>
<tr>
<td>POWER RANGE: 0.37 kW - 5.5 kW / 0.5 hp - 7.5 hp</td>
<td>POWER RANGE: 4 kW - 190 kW</td>
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### DIFFERENT VOLTAGE AVAILABLE ON REQUEST AND SPECIAL MATERIALS (AISI 316) FOR APPLICATION IN AGGRESSIVE WATER

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE
## SERIES

### SUBMERSIBLE PUMPS

**SMC6**
- **MAX DELIVERY:** 84 m³/h
- **MAX HEAD:** 452 m
- **POWER RANGE:** 4 kW - 45 kW

**SMC8 - SMC10 - SMC12**
- **MAX DELIVERY:** 540 m³/h
- **MAX HEAD:** 488 m
- **POWER RANGE:** 4 kW - 250 kW

### TECHNICAL DATA

**SMC6**
- **MAX DELIVERY:** 84 m³/h
- **MAX HEAD:** 452 m
- **POWER RANGE:** 4 kW - 45 kW

**SMC8 - SMC10 - SMC12**
- **MAX DELIVERY:** 540 m³/h
- **MAX HEAD:** 488 m
- **POWER RANGE:** 4 kW - 250 kW

### FEATURES

**SMC6**
- **HYDRAULIC PART**
  - Pump body: cast iron with cataphoresis coating
  - Impellers: AISI 304 stainless steel

**SMC8 - SMC10 - SMC12**
- **HYDRAULIC PART**
  - Pump body: cast iron with cataphoresis coating
  - Impellers: cast iron, with cataphoresis coating

**SMC6**
- **MOTOR**
  - Type:
    - **6GF:** canned water-filled
    - **TR6:** rewindable water-filled
  - Materials: AISI 304 stainless steel and cast iron

**SMC8 - SMC10 - SMC12**
- **MOTOR**
  - Type:
    - **6GF:** canned water-filled
    - **TR6-TR12:** rewindable water-filled
  - Materials: AISI 304 stainless steel and cast iron

### EXTRA

**SMC6**
- **DIFFERENT VOLTAGE AVAILABLE ON REQUEST**

**SMC8 - SMC10 - SMC12**
- **DIFFERENT VOLTAGE AVAILABLE ON REQUEST**
- **SPECIAL MATERIALS FOR APPLICATION IN AGGRESSIVE WATER**

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*FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE*
## Technical Data

**POWER RANGE**
- **SINGLEPHASE:** 0,37 kW - 0,75 kW / 0.5 hp - 1 hp
- **THREEPHASE:** 0,37 kW - 0,75 kW / 0.5 hp - 1 hp
- **4GG - 4GX - 4TW - 4OL SINGLEPHASE:**
  - 0,37 kW - 3,7 kW / 0.5 hp - 5 hp
  - 0,37 kW - 7,5 kW / 0.5 hp - 10 hp
- **4TW SINGLEPHASE:**
  - 0,37 kW - 1,1 kW / 0.5 hp - 1,5 hp

## Features

**TYPE**
- 3GF: canned water-filled
- 3GS: canned water-filled
- 3HS: high-speed (6300 rpm) canned water-filled
- 4GG: canned water-filled
- 4GX: canned water-filled (AISI316)
- 4TW: canned water-filled (capacitor included)
- 4OL: rewindable oil-filled

**MATERIALS**
- 3GF: AISI 304 stainless steel and brass
- 3GS: AISI 304 stainless steel
- 3HS: AISI 304 stainless steel and brass
- 4GG: AISI 304 stainless steel
- 4GX: AISI 316 stainless steel
- 4TW: AISI 304 stainless steel and noryl (capacitor cartridge)
- 4OL: AISI 304 stainless steel

## Extra

Different voltage available on request

For additional information please consult our technical literature
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<tr>
<td><strong>6GF - 6GX - THREEPHASE:</strong></td>
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<tr>
<td>4 kW - 37 kW / 5.5 hp - 50 hp</td>
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<tr>
<td><strong>POWER RANGE</strong></td>
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<tr>
<td><strong>TR6 THREEPHASE:</strong></td>
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<tr>
<td>5.5 kW - 45 kW / 7.5 hp - 50 hp</td>
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<td><strong>TR8 THREEPHASE:</strong></td>
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<tr>
<td>30 kW - 110 kW / 40 hp - 150 hp</td>
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<td><strong>TR10 THREEPHASE:</strong></td>
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<tr>
<td>75 kW - 190 kW / 100 hp - 250 hp</td>
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<tr>
<td><strong>TR12 THREEPHASE:</strong></td>
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<tr>
<td>132 kW - 300 kW / 180 hp - 340 hp</td>
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<td><strong>TR14 THREEPHASE:</strong></td>
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<tr>
<td>220 kW - 400 kW / 300 hp - 550 hp</td>
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<tr>
<td><strong>FEATURES</strong></td>
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<tr>
<td><strong>TYPE</strong></td>
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<tr>
<td>canned water-filled</td>
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<td><strong>TYPE</strong></td>
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<tr>
<td>rewindable water-filled</td>
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<tr>
<td><strong>MATERIALS</strong></td>
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<tr>
<td><strong>6GF:</strong> AISI 304 stainless steel and cast iron</td>
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<tr>
<td><strong>6GX:</strong> AISI 316 stainless steel</td>
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<tr>
<td><strong>MATERIALS</strong></td>
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<tr>
<td><strong>STANDARD VERSIONS:</strong> AISI 304 stainless steel and cast iron</td>
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<tr>
<td><strong>SPECIAL VERSION:</strong> AISI 316 / 904 stainless steel</td>
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<tr>
<td>AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION</td>
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<td><strong>EXTRA</strong></td>
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<tr>
<td>AVAILABLE FULL RANGE OF 4 POLES REWINDABLE WATER-FILLED MOTORS</td>
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