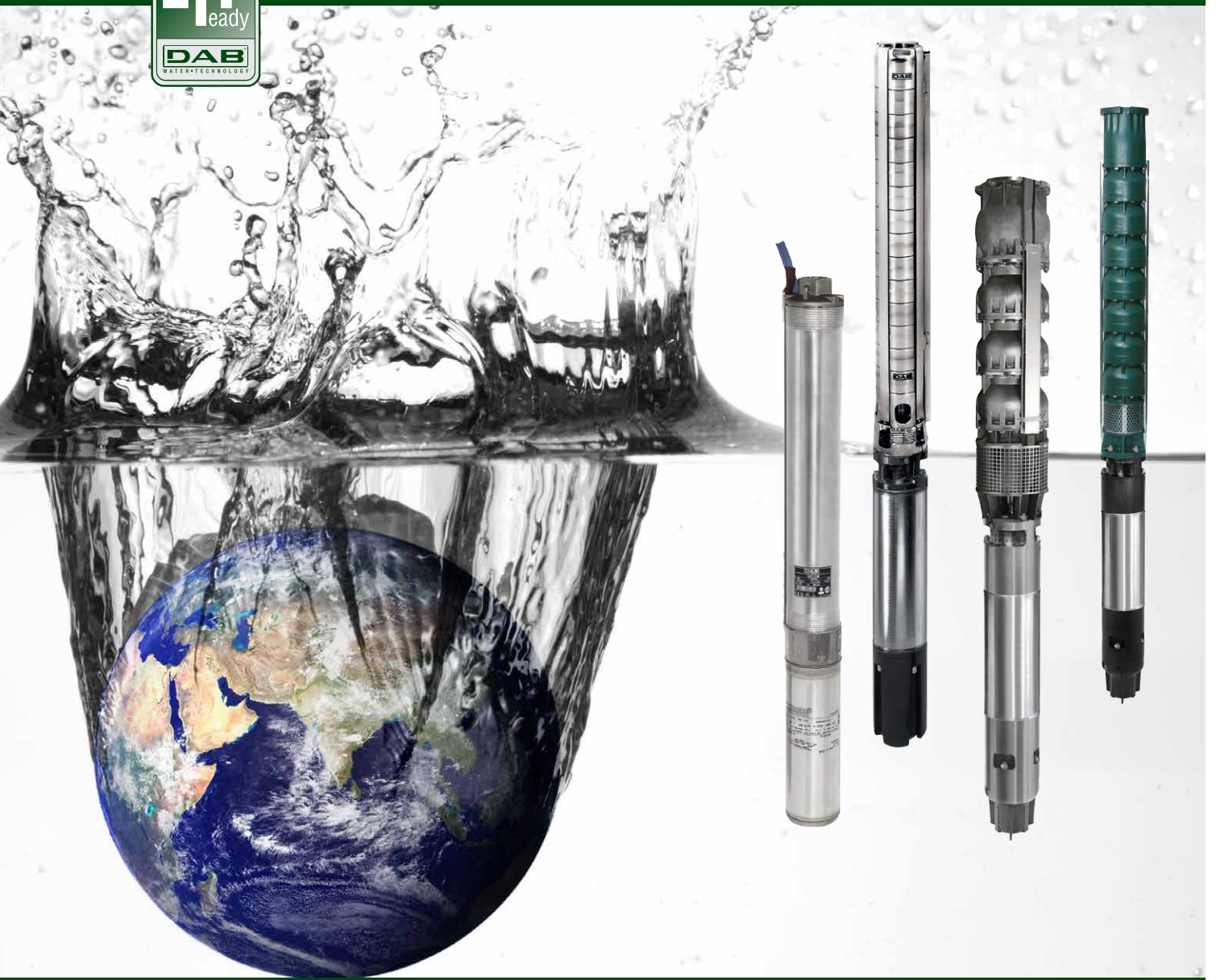


# SUBMERSIBLE PUMPS AND MOTORS

## PRODUCT OVERVIEW





# DAB AND TESLA



MESTRINO (PD)



SAN GERMANO DEI BERICI (VI)

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 180,000 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'.



# PUMPS FROM 3" TO 4" RANGE



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"

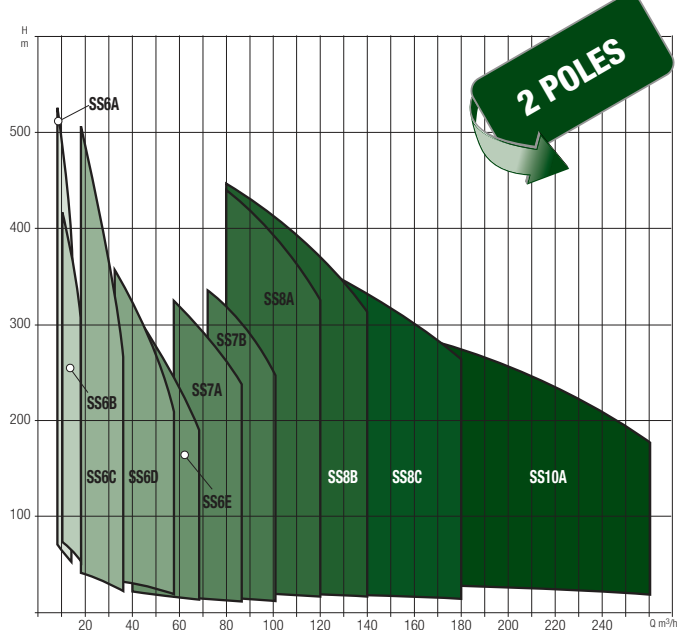
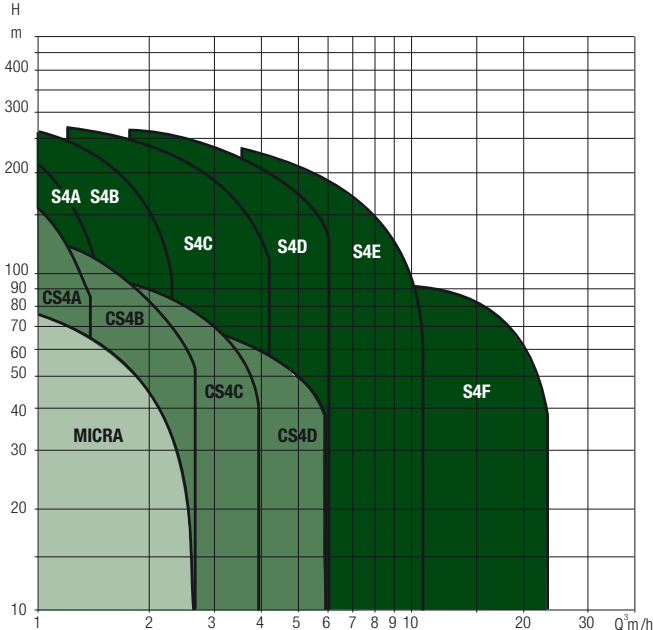
- starting from 01 January 2015  $MEI \geq 0,4$



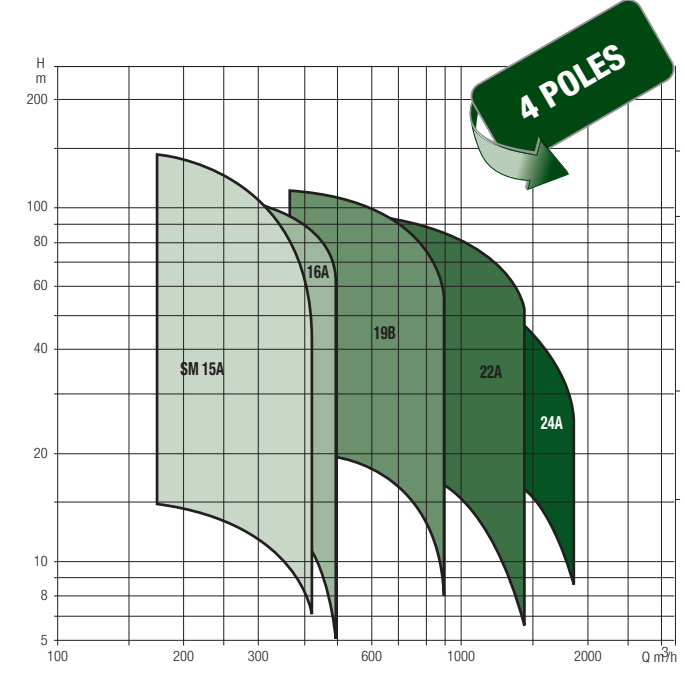
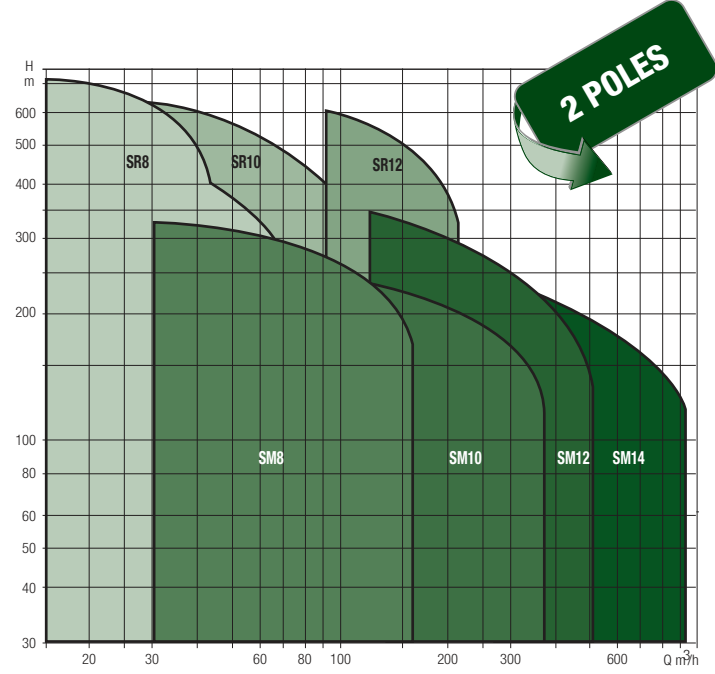
# PUMPS FROM 6" TO 24" RANGE

PERFORMANCE RANGE FROM **3" TO 4"**

PERFORMANCE RANGE FROM **6" TO 10"**



PERFORMANCE RANGE FROM **6" TO 24"**



SERIES	MICRA HS - MICRA	IDEA	SUN4" WELL
SUBMERSIBLE PUMPS		 <p style="text-align: center;"><b>SINGLE-PHASE      THREE-PHASE</b></p>	
TECHNICAL DATA	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY</b> MICRA HS: 5,5 m<sup>3</sup>/h MICRA: 2,5 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 90 m</li> <li>• <b>MAX FREQUENCY</b> MICRA HS: 110 Hz (6300 rpm) MICRA: 50 Hz (2900 rpm)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY :</b> 2,4 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 90 m</li> <li>• <b>POWER RANGE:</b> 0,55 kW -1 kW / 0,75 hp - 1,5 hp</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 9 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 110 m</li> <li>• <b>POWER:</b> 0,8 kW / 1,1 hp</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: Stainless steel</li> <li>· Impellers: noryl</li> <li>· Diffusers: self-lubricating polyacetal</li> <li>· Base support and head: brass</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>3HS:</b> high speed - canned water-filled</li> <li><b>3GF:</b> canned water-filled</li> </ul> </li> <li>· Materials: AISI 304 Stainless steel and brass</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: Cast Iron</li> <li>· Impellers: brass</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: dry-type - canned stator</li> <li>· Materials: AISI 304 Stainless steel</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: Stainless steel</li> <li>· Impellers: noryl</li> <li>· Diffusers: noryl</li> <li>· Base support and head: AISI 304 Stainless-steel</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>40L SOLAR:</b> oil-filled permanent magnet</li> </ul> </li> <li>· Materials: AISI 304 Stainless steel</li> </ul> </li> </ul>
EXTRA	MICRA HS PACKAGE INCLUDES THE ACTIVE DRIVER M/T 2.2 110 Hz	REMOVABLE H07RN-F POWER CABLE, LENGHT 15 M. SUPPLIED WITH 15 M OF NYLON ROPE	ON DEMAND IS AVAILABLE A COMPLETE PACKAGE FOR THE INSTALLATION WITH: HYDRAULIC PART, MOTOR, CONTROL UNIT, CAPACITIVE SENSOR, PHOTOVOLTAICS PANELS

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE

SERIES	CS4	S4
SUBMERSIBLE PUMPS		
TECHNICAL DATA	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 6 m<sup>3</sup>/h</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 27 m<sup>3</sup>/h</li> </ul>
TECHNICAL DATA	<ul style="list-style-type: none"> <li>• <b>MAX HEAD:</b> 230 m</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX HEAD:</b> 318 m</li> </ul>
TECHNICAL DATA	<ul style="list-style-type: none"> <li>• <b>POWER RANGE:</b> 0,37 kW - 1,1 kW / 0.5 hp - 1,5 hp</li> </ul>	<ul style="list-style-type: none"> <li>• <b>POWER RANGE:</b> 0,37 kW - 5,5 kW / 0.5 hp - 7,5 hp</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: Stainless steel</li> <li>· Impellers: noryl</li> <li>· Diffusers: noryl</li> <li>· Base support and head: tecnopolymer</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>4GG:</b> canned water-filled</li> <li><b>40L:</b> rewindable oil-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: Stainless steel</li> <li>· Impellers: noryl</li> <li>· Diffusers: noryl</li> <li>· Base support and head: AISI 304 stainless steel</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>4GG:</b> canned water-filled</li> <li><b>40L:</b> rewindable oil-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel</li> </ul> </li> </ul>
EXTRA	<p>SUPPLIED WITH CONTROL BOX FOR THE SINGLE PHASE VERSION, 15 or 30 meters cable and security rope</p> <p>AVAILABLE VERSION WITH 4TW MOTOR WITH INTEGRATED CAPACITOR WHICH DOES NOT REQUIRE THE USE OF CONTROL BOX</p>	<p>AVAILABLE VERSION WITH 4TW MOTOR WITH INTEGRATED CAPACITOR WHICH DOES NOT REQUIRE THE USE OF CONTROL BOX</p> <p>AVAILABLE ON REQUEST CONTROL PANELS, INVERTER PANELS AND ACCESSORIES. ADDITIONAL INFORMATION ON PRICE LIST.</p>

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE

SERIES	SS6 - SS7 - SS8 - SS10	SR6 - SR8
SUBMERSIBLE PUMPS		
TECHNICAL DATA	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 260 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 670 m</li> <li>• <b>POWER RANGE:</b> 4 kW - 190 kW</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 80 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 770 m</li> <li>• <b>POWER RANGE:</b> 5,5 kW - 92 kW / 7,5 hp - 125 hp</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: AISI 304 pressed steel</li> <li>· Impellers: AISI 304 pressed steel</li> <li>· Diffusers: AISI 304 pressed steel</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>6GF:</b> canned water-filled</li> <li><b>TR6 - TR10:</b> rewindable water-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel and cast iron</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: cast iron</li> <li>· Impellers: stainless steel or cast iron</li> <li>· Diffusers: brass</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>6GF:</b> canned water-filled</li> <li><b>TR6-TR8:</b> rewindable water-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel and cast iron</li> </ul> </li> </ul>
EXTRA	DIFFERENT VOLTAGE AVAILABLE ON REQUEST AND SPECIAL MATERIALS (AISI 316) FOR APPLICATION IN AGGRESSIVE WATER	DIFFERENT VOLTAGE AVAILABLE ON REQUEST AND SPECIAL MATERIALS FOR APPLICATION IN AGGRESSIVE WATER

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE



SERIES	SM6 - SM14	SM15 - SM24
<b>SUBMERSIBLE PUMPS</b>		
<b>TECHNICAL DATA</b>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 900 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 400 m</li> <li>• <b>POWER RANGE:</b> 5,5 kW - 400 kW / 7,5 hp - 550 hp</li> </ul>	<ul style="list-style-type: none"> <li>• <b>MAX DELIVERY:</b> 1800 m<sup>3</sup>/h</li> <li>• <b>MAX HEAD:</b> 150 m</li> <li>• <b>POWER RANGE:</b> 18,5 kW - 300 kW / 20 hp - 400 hp</li> </ul>
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: cast iron, AISI 316 stainless steel or duplex</li> <li>· Impellers: cast iron, AISI 316 stainless steel or brass</li> </ul> </li> <li>• <b>MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>6GF:</b> canned water-filled</li> <li><b>TR6-TR14:</b> rewindable water-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel and cast iron</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>HYDRAULIC PART</b> <ul style="list-style-type: none"> <li>· Pump body: cast iron</li> <li>· Impellers: brass</li> </ul> </li> <li>• <b>4 POLES MOTOR</b> <ul style="list-style-type: none"> <li>· Type: <ul style="list-style-type: none"> <li><b>TR8-TR14:</b> rewindable water-filled</li> </ul> </li> <li>· Materials: AISI 304 stainless steel and cast iron</li> </ul> </li> </ul>
<b>EXTRA</b>	DIFFERENT VOLTAGE AVAILABLE ON REQUEST AND SPECIAL MATERIAL (AISI 316 - DUPLEX) FOR APPLICATION IN AGGRESSIVE WATER	DIFFERENT VOLTAGE AVAILABLE ON REQUEST AND SPECIAL MATERIALS FOR APPLICATION IN AGGRESSIVE WATER

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE



**Tesla is the Brand leader for the submersible motors from 3" to 14".**

Since its foundation in 1990 Tesla developed a wide experience in design and production of the widest range of motors in the market.

In the last four years its mission has been the continuous research of the highest level in quality and service and the increase of the products range, which now includes also rewindable motors from 6" to 14".



**MOTORS FROM 3" TO 14" RANGE**



  
100% MADE IN ITALY

**SERIES**

**3GF - 3GS - 3HS**

**4GG - 4GX - 4TW - 4OL**



**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

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

- **TYPE**  
 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

- **MATERIALS**  
 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

DIFFERENT VOLTAGE AVAILABLE ON REQUEST

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE

SERIES	6GF - 6GX	TR6-TR8 - TR10 - TR12 - TR14
	 	 
<b>TECHNICAL DATA</b>	<ul style="list-style-type: none"> <li>• <b>POWER RANGE</b> 6GF - 6GX - THREEPHASE: 4 kW - 37 kW / 5.5 hp - 50 hp</li> </ul>	<ul style="list-style-type: none"> <li>• <b>POWER RANGE</b> TR6 THREEPHASE: 5,5 kW - 45 kW / 7,5 hp - 50 hp TR8 THREEPHASE: 30 kW - 110 kW / 40 hp - 150 hp TR10 THREEPHASE: 75 kW - 190 kW / 100 hp - 250 hp TR12 THREEPHASE: 132 kW - 300 kW / 180 hp - 340 hp TR14 THREEPHASE : 220 kW - 400 kW / 300 hp - 550 hp</li> </ul>
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• <b>TYPE</b> canned water-filled</li> <li>• <b>MATERIALS</b> <b>6GF:</b> AISI 304 stainless steel and cast iron <b>6GX:</b> AISI 316 stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>• <b>TYPE</b> rewindable water-filled</li> <li>• <b>MATERIALS</b> <b>STANDARD VERSIONS:</b> AISI 304 stainless steel and cast iron <b>SPECIAL VERSION:</b> AISI 316 /904 stainless steel</li> </ul> <p>AVAILABLE ON REQUEST A PE2 + PA WINDING VERSION FOR INVERTER APPLICATION</p>
<b>EXTRA</b>	<p>DIFFERENT VOLTAGE AVAILABLE ON REQUEST</p>	<p>AVAILABLE FULL RANGE OF 4 POLES REWINDABLE WATER-FILLED MOTORS</p>

FOR ADDITIONAL INFORMATION PLEASE CONSULT OUR TECHNICAL LITERATURE







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