



6" Rewindable Water Filled Submersible Motors

Made in Italy



Catalogo 50/60 Hz

6" REWINDABLE WATER COOLED SUBMERSIBLE MOTORS

Motors designed to work in 6" or wider wells. The use of very high quality Made in Italy materials and our strict tests together with consolidated know how en-sure high mechanical resistance and high performing electric features. Designed to be easily repairable.

PRODUCT FEATURES

STATOR: specifically developed to achieve maximum electrical yield. Covered by an AISI 304 stainless steel sleeve. Windings are asynchronous-type and are made of copper wire with PVC insulation, or copper wire with PE2+PA insulation, which is "inverter resistant" and suggested for high temperatures and voltage surges.

POWER CABLE: it ensures perfect sealing in the most critical conditions. Cable is EPR-type and complies with all major standards on the use in drinking water (KTW, ACS, WRAS).

FILLING LIQUID: mixture of water and propylene glycol to ensure adequate lubrication of the thrust bearing system together with the ability to lower the freezing point when stored in very cold places.

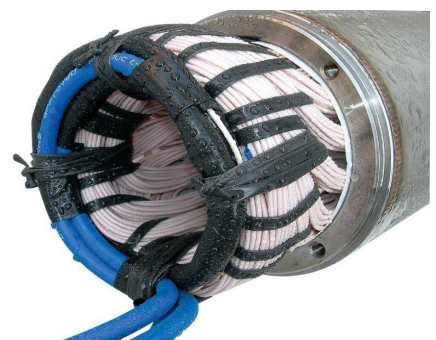
UPPER AND LOWER SUPPORT: GS400 spheroidal cast iron with cataphoresis treatment, which gives great resistance to water impacts and corrosion.

MECHANICAL SEAL: SIC-SIC, silicon-silicon carbide.

SHAFT: completely in AISI 420 stainless steel, without welding. It is ground along the entire axis thus giving the rotor such a concentricity to ensure perfect linearity. A shaft free from vibration is obtained thanks to balancing. Led by wear-resistant graphite bushing bearings.

THRUST BEARING SYSTEM: bidirectional Mi-chell-type, with pads in treated steel and supported by a disk in resin compound fibres and self-lubricating additives, totally ecological.

100% TESTED: all motors are tested at the end of the line.



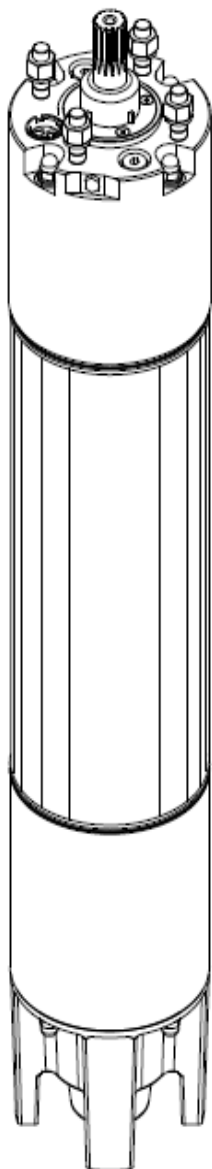
6SW ELECTRICAL DATA - 50 HZ - 3 PHASE

Type	P [Hp]	P [Kw]	Ph	In [A]		Starting		rpm	cosφ	η [%]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm²]				Cable Lenght [m]	T _{max} H ₂ O	
				230 V	400 V	Direct Ia/In	Δ / Y Ia/In							Direct	Δ / Y		PVC		PE2 + PA	
															230 V	400 V				230/400 V
6SW 550	5,5	4	3	16	9,5	5,2	1,3	2880	0,83	79,5	18000	640	41	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 750	7,5	5,5	3	21,5	12,5	4,9	1,6	2850	0,87	78	18000	670	44	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1000	10	7,5	3	29,5	17	5,35	1,7	2850	0,86	78,5	18000	700	46	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1250	12,5	9,2	3	36	21,5	5,05	1,7	2830	0,86	78	18000	740	50	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1500	15	11	3	42,5	24,5	5	1,6	2840	0,87	79	18000	770	54	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1750	17,5	13	3	51	29	5	1,6	2840	0,86	80	18000	840	61	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 2000	20	15	3	60	34	5,05	1,6	2830	0,86	81	18000	840	62	6 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 2500	25	18,5	3	69,5	40	4,85	1,6	2845	0,86	82	25000	900	68	6 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 3000	30	22	3	83	48	4,6	1,5	2845	0,86	83	25000	970	75	10 X 3	6 X 3	6 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 3500	35	28	3	95	55	4,9	1,6	2830	0,87	82,5	25000	1040	82	10 X 3	6 X 3	6 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 4000	40	30	3	113,5	65,5	5,15	1,7	2840	0,85	83	25000	110	89	10 X 3	10 X 3	10 X 6	6 X 6	3,5	30°C 86°F	55°C 131°F
6SW 5000	50	37	3	138,5	80	4,75	1,5	2840	0,85	83	25000	1240	103	-	10 X 3	10 X 6	6 X 6	3,5	25°C 77°F	45°C 113°F
6SW 6000	60	45	3	167	96,5	5,05	1,6	2840	0,85	83	25000	1370	116	-	10 X 3	10 X 6	10 X 6	3,5	-	45°C 113°F

6SW ELECTRICAL DATA - 60 HZ - 3 PHASE

Type	P [Hp]	P [Kw]	Ph	In [A]		Starting		rpm	cosφ	η [%]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm²]				Cable Lenght [m]	T _{max} H ₂ O	
				230 V	400 V	Direct Ia/In	Δ / Y Ia/In							Direct	Δ / Y		PVC		PE2 + PA	
															230 V	400 V				230/400 V
6SW 550	5,5	4	3	23	13,5	5,2	1,3	3530	0,81	79,5	18000	670	44	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 750	7,5	5,5	3	26,5	15,5	4,9	1,6	3480	0,85	78	18000	700	46	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1000	10	7,5	3	36	20,8	5,35	1,7	3480/3480	0,84	78,5	18000	740	50	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1250	12,5	9,2	3	44,5	25,5	5,05	1,7	3470	0,84	78	18000	770	54	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1500	15	11	3	52,5	30,5	5	1,6	3490	0,85	79	18000	840	61	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 1750	17,5	13	3	63	36,5	5	1,6	3500	0,84	80	18000	840	62	4 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 2000	20	15	3	68	39	5,05	1,6	3490	0,84	81	18000	900	68	6 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 2500	25	18,5	3	91	52,5	4,85	1,6	3490	0,84	82	25000	970	75	6 X 3	4 X 3	4 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F
6SW 3000	30	22	3	104	60	4,6	1,5	3510	0,84	83	25000	1040	82	10 X 3	6 X 3	6 X 6	4 X 6	3,5	30°C 86°F	55°C 131°F

TECHNICAL SPECIFICATIONS



MOTOR/PUMP FLANGE	6" NEMA STANDARD
DEGREE OF PROTECTION	IP 68
INSULATION CLASS	PVC: Y PE2 + PA: B
VOLTAGE TOLERANCE	- 10% / + 6%
PUMPED LIQUID TEMPERATURE	Refer to electrical data sheet
MIN. COOLING FLOW	0,15 m/s 0,492 ft/s
MAX. STARTS / HOUR	10
MOUNTING	VERTICAL AND/OR HORIZONTAL
MAX. IMMERSION DEPTH	350M
THRUST LOAD	
FROM 5,5 TO 20 HP	18000N
FROM 25 TO 60 HP	25000N

REWINDABLE MOTORS

**SPECIAL CABLES/VOLTAGE/THRUST LOADS,
Y/Δ STARTING, PT100 TEMPERATURE SENSOR [...]
AVAILABLE UPON REQUEST.**