



6" Rewindable Oil Filled Submersible Motors

Made in Italy



Catalogo 50/60 Hz

6" REWINDABLE OIL FILLED 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 ensure high mechanical resistance and high performing electric features. All parts in contact with water are in AISI 304 stainless steel. The power cable with removable connector ensures perfect water-tightness. Designed to be easily repairable.

PRODUCT FEATURES

EXTERNAL SLEEVE AND BOTTOM: made in AISI 304 stainless steel. More specifically, the sleeve is in 304L (Low Carbon) to avoid possible corrosions on the welding.

UPPER SUPPORT: cast iron with cathaphoresis treatment. Sleeve clamping is ensured for the whole series by 8 inserts.

MECHANICAL SEAL: graphite/ceramic in the standard version; SIC-SIC version available upon request.

BALL BEARINGS: duly oversized to ensure a long lasting motor.

STATOR: specifically developed to achieve maximum electrical yield. Airtight sealed and immersed in selected mineral white and highly refined oil, suitable to be used in drinking water (F.D.A., Food and Drug Administration, approved).

REMOVABLE POWER CABLE-CONNECTOR: it ensures perfect sealing in the most critical conditions and it aids maintenance operations. More specifically, the connector prevents oil from rising in the conductors up to the joint, thus enabling immersion at greater depths. The power cable complies with all major standards on the use in drinking water (KTW, ACS, WRAS).

SHAFT: carbon-steel alloys in the rotor area, to foster electrical features. DUPLEX stainless steel projection. This steel combines excellent resistance to corrosion and high mechanical resistance, which is necessary where static torque becomes really important.

100% TESTED: all motors are tested at the end of the line. An extremely effective seal check is also carried out on all motors.



D. O. L. VERSION

Y-Δ VERSION

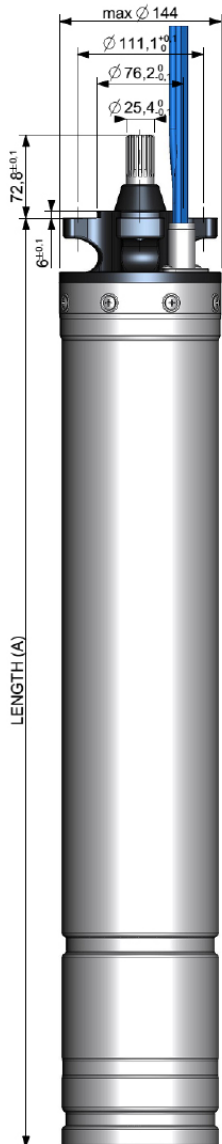
6SO ELECTRICAL DATA - 50 HZ

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
6SO 550	380	5,5	4	3	8,9	47	2830	0,85	76	10000	595	34	4 X 4	3
	400				9,1		2840	0,86	74					
	415				9,3		2850	0,86	72					
6SO 750	380	7,5	5,5	3	12,9	66	2830	0,82	75	10000	625	41	4 X 4	3
	400				12,8		2840	0,84	74					
	415				12,7		2850	0,83	75					
6SO 1000	380	10	7,5	3	17,1	81	2830	0,80	79	10000	660	46	4 X 4	3
	400				16,8		2840	0,83	78					
	415				16,4		2850	0,85	78					
6SO 1250	380	12,5	9,2	3	21,8	98	2830	0,76	80	10000	700	48	4 X 4	3
	400				21,2		2840	0,77	81					
	415				19,7		2850	0,85	79					
6SO 1500	380	15	11	3	23,8	123	2830	0,79	84	10000	765	52	4 X 4	3
	400				22,9		2840	0,82	85					
	415				22,2		2850	0,83	82					
6SO 1750	380	17,5	13	3	27,8	141	2830	0,80	83	10000	820	57	4 X 4	3
	400				27,6		2840	0,80	84					
	415				27,3		2850	0,80	82					
6SO 2000	380	20	15	3	31,6	158	2830	0,85	81	10000	820	58	4 X 4	3
	400				30,7		2840	0,86	82					
	415				29,9		2850	0,89	80					
6SO 2500	380	25	18,5	3	39,0	231	2830	0,82	83	20000	883	64	4 X 8	4
	400				38,0		2840	0,84	84					
	415				38,5		2850	0,84	83					
6SO 3000	380	30	22	3	44,0	258	2830	0,88	82	20000	953	71	4 X 8	4
	400				45,5		2840	0,83	84					
	415				45,6		2850	0,82	83					
6SO 3500	380	35	28	3	53,5	296	2830	0,84	84	20000	1018	79	4 X 8	4
	400				52,0		2840	0,85	85					
	415				51,5		2850	0,86	85					
6SO 4000	380	40	30	3	63,5	348	2830	0,81	84	20000	1098	87	4 X 8	4
	400				61,5		2840	0,83	85					
	415				63,0		2850	0,83	83					
6SO 5000	380	50	37	3	78,0	396	2830	0,82	83	20000	1233	99	4 X 8	4
	400				76,0		2840	0,84	84					
	415				77,0		2850	0,85	82					

6SO ELECTRICAL DATA - 60 HZ

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
6SO 550	380	5,5	4	3	16,1	16,9	3435	0,79	74	10000	595	34	4 X 4	3
	400				9,7	16,8	3435	0,81	75					
	415				7,9	9,1	3435	0,79	76					
6SO 750	380	7,5	5,5	3	23,7	26,4	3440	0,81	77	10000	625	41	4 X 4	3
	400				13,2	15,3	3440	0,78	78					
	415				11,3	12,7	3440	0,79	79					
6SO 1000	380	10	7,5	3	28,4	32,9	3435	0,81	79	10000	660	46	4 X 4	3
	400				17,3	19,3	3435	0,84	79					
	415				14,7	16,6	3435	0,85	80					
6SO 1250	380	12,5	9,2	3	34,6	36,2	3455	0,80	80	10000	700	48	4 X 4	3
	400				19,9	22,1	3455	0,79	81					
	415				19,7	2,2	3455	0,79	82					
6SO 1500	380	15	11	3	38,4	46,7	3450	0,79	79	10000	765	52	4 X 4	3
	400				25,8	29,6	3450	0,81	80					
	415				21,2	24,3	3450	0,83	81					
6SO 2000	380	20	15	3	54,1	60,8	3450	0,77	80	10000	820	58	4 X 4	3
	400				33,8	37,2	3435	0,81	81					
	415				27,8	30,9	3435	0,80	82					
6SO 2500	380	25	18,5	3	66,5	75,5	3445	0,81	81	20000	883	64	4 X 8	4
	400				40,1	45,9	3445	0,78	82					
	415				35,7	38,5	3445	0,80	83					
6SO 3000	380	30	22	3	79,1	89,0	3450	0,76	81	20000	953	71	4 X 8	4
	400				46,2	53,8	3450	0,81	83					
	415				43,1	46,0	3450	0,82	84					
6SO 4000	380	40	30	3	65,1	74,2	3445	0,82	84	20000	1098	87	4 X 8	4
	460				55,2	61,2	3445	0,80	85					
6SO 5000	380	50	37	3	82,2	93,5	3440	0,83	83	20000	1233	99	4 X 8	4
	460				74,3	77,0	3440	0,84	84					

TECHNICAL SPECIFICATIONS



MOTOR / PUMP FLANGE	6" NEMA STANDARD
DEGREE OF PROTECTION	IP 68
INSULATION CLASS	F
VOLTAGE TOLERANCE	- 10% / + 10%
PUMPED LIQUID TEMPERATURE	0°C – 35°C 32°F – 95°F
MIN. COOLING FLOW	0,1 m/s 0,328 ft/s
MAX. STARTS / HOUR	30
MOUNTING	VERTICALE (ORIZZONTALE FINO A 20HP) VERTICAL (HORIZONTAL UP TO 20HP)
MAX. IMMERSION DEPTH	200M
THRUST LOAD	
FROM 5,5HP TO 20HP	10.000N
FROM 25HP TO 50 HP	20.000N

REWINDABLE MOTOR

CABLES, VOLTAGE, THRUST LO-ADS [...] SPECIAL VERSION AVAILABLE.