



4" Rewindable Oil Filled Submersible Motors

Made in Italy



Catalogo 50/60 Hz

4" REWINDABLE OIL FILLED SUBMERSIBLE MOTORS

Motors designed to work in 4" 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 cord with removable connector ensures perfect wa-ter-tightness.

PRODUCT FEATURES

EXTERNAL SLEEVE AND BOTTOM: made in AISI 304 stainless steel (Low carbon) to avoid possible corrosions of the welding.

UPPER BRACKET: cast iron with cataphoresis treatment and pro-ected with an AISI 304 stainless steel cover. Sleeve clamping is en-sured by 4 inserts in low power motors and 6 inserts in motors bigger than 3Hp.

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

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

STATOR: with 24 slots, specifically developed to achieve maximum electrical yield. Airtight sealed and immersed in selected mineral whi-te 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 ope-rations. 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 drin-king water (KTV, ACS, WRAS).

SHAFT: carbon-steel alloys in the rotor area, to foster electrical fea-tures. AISI 304 stainless steel projection. DUPLEX, a special type of stainless steel, replaces AISI 304 in motors bigger than 3Hp. This ste-el combines excellent resistance to corrosion and high mechanical resistance, which is necessary where static torque becomes really important.

SAND PROTECTION FILTER: all 40M motors, in addition to the standard sand protection system, are equipped with a special filter that stops any impurities that may get in contact with the external face of mechanical seal. This ensures a longer mechanical seal lifetime.

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



4SO - 50 HZ - 1 PHASE

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Capacitor [μF]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
4SO 050	230	0,5	0,37	1	3,6	12	2810	0,87	52	20	2000	311,3	6,45	4 X 1,5	1,7
4SO 075	230	0,75	0,55	1	4,7	16,5	2810	0,88	57	25	2000	331,3	7,2	4 X 1,5	1,7
4SO 100	230	1	0,75	1	5,9	18,9	2825	0,9	62	35	2000	356,3	8,45	4 X 1,5	1,7
4SO 150	230	1,5	1,1	1	8,3	26,2	2840	0,91	64	40	2000	386,3	10,2	4 X 1,5	1,7
4SO 200	230	2	1,5	1	10,7	35	2845	0,93	66	60	2000	436,3	11,65	4 X 1,5	1,7
4SO 300	230	3	2,2	1	15,2	47	2820	0,93	67	80	2000	481,3	14,9	4 X 1,5	1,7
4SO 400	230	4	3	1	20,4	86	2850	0,94	72	90	5000	505	16	4 X 2	2,7
4SO 500	230	5	3,7	1	24,5	95	2810	0,95	73	100+ 250/300	5000	699,5	24,15	4 X 2	2,7
4SO 550	230	5,5	4	1	26,2	104	2840	0,93	75	120+ 250/300	5000	799,5	28,95	4 X 2	2,7

4SO - 50 HZ - 3 PHASE

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Capacitor [μF]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
4SO 050	230	0,5	4	3	2,2	8,9	2855	0,75	57	-	2000	311,3	6,45	4 X 1,5	1,7
	400				1,8	5,8	2850	0,54	58	-					
4SO 075	230	0,75	5,5	3	3,4	13,5	2830	0,7	62	-	2000	331,3	7,2	4 X 1,5	1,7
	400				2	8	2835	0,65	63	-					
4SO 100	230	1	7,5	3	4,1	15,5	2820	0,74	62	-	2000	356,3	8,45	4 X 1,5	1,7
	400				2,5	9,4	2825	0,77	63	-					
4SO 150	230	1,5	9,2	3	5,9	25	2825	0,68	68	-	2000	371,3	9,35	4 X 1,5	1,7
	400				3,4	15,5	2825	0,69	68	-					
4SO 200	230	2	11	3	8,2	27,5	2830	0,64	70	-	2000	386,3	10,2	4 X 1,5	1,7
	400				4,8	18	2835	0,63	71	-					
4SO 300	230	3	15	3	10,6	39,5	2815	0,7	72	-	2000	436,3	11,65	4 X 1,5	1,7
	400				10,6	39,5	2815	0,7	72	-					
4SO 300	230	3	18,5	3	6,1	39,5	2810	0,69	72	-	2000	436,3	11,65	4 X 1,5	1,7
	400				6,1	39,5	2810	0,69	72	-					
4SO 400	230	4	22	3	12,8	39,5	2830	0,81	75	-	3000	450	14,9	4 X 1,5	1,7
	400				7,1	39,5	2835	0,69	75	-					
4SO 550	230	5,5	30	3	15,6	86	2840	0,83	76	-	5000	505	15,1	4 X 2	2,7
	400				9,2	48,5	2845	0,83	76	-					
4SO 750	230	7,5	37	3	22,7	109,0	2825	0,78	79	-	5000	699,5	24,65	4 X 2	2,7
	400				11,7	64,0	2835	0,78	79	-					
4SO 1000	400	10	7,5	3	16,4	88,0	2840	0,81	81	-	5000	799,5	28,95	4 X 2	2,7

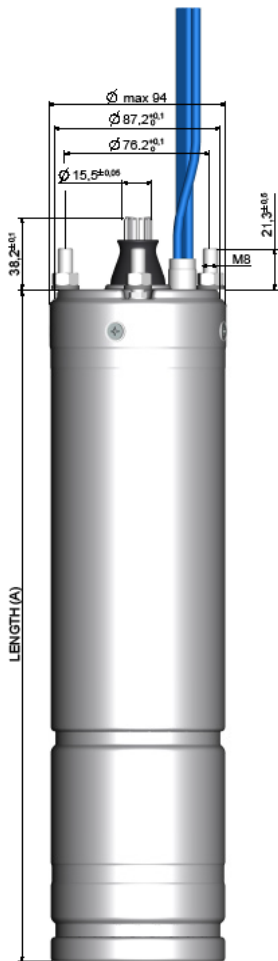
4SO - 60 HZ - 1 PHASE

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Capacitor [μF]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
4SO 050	220	0,5	0,37	1	3,4	16	3450	0,92	54	20	2000	331,3	7,2	4 X 1,5	1,7
	110				6,8	29	3470	0,89	48	80					
4SO 075	220	0,75	0,55	1	4,7	20,2	3420	0,95	57	25	2000	356,3	8,45	4 X 1,5	1,7
	110				9,9	39	3435	0,84	53	100					
4SO 100	220	1	0,75	1	6,3	22,6	3435	0,95	58	35	2000	371,3	10,2	4 X 1,5	1,7
	110				11,8	48	3445	0,89	61	120					
4SO 150	220	1,5	1,1	1	8,3	32	3455	0,98	65	40	2000	386,3	11,25	4 X 1,5	1,7
	110				15,4	72	3430	0,91	63	140					
4SO 200	220	2	1,5	1	10,8	41	3445	0,95	67	60	2000	463,3	11,65	4 X 1,5	1,7
4SO 300	220	3	2,2	1	15,5	47	3425	0,96	68	80	2000	481,3	14,9	4 X 1,5	1,7
											3000	505	15,4		
4SO 500	220	5	3,7	1	24,1	92	3460	0,93	72	100+ 250/300	5000	699,5	24,15	4 X 2	2,7
4SO 550	220	5,5	4	1	26,2	107	3430	0,93	73	120+ 250/300	5000	799,5	28,95	4 X 2	2,7

4SO - 60 HZ - 3 PHASE

Type	Voltage [V]	P [Hp]	P [Kw]	Ph	I _n [A]	I _{avv} [A]	rpm	cosφ	η [%]	Capacitor [μF]	Thrust Load [N]	Lenght A [mm]	Weight [kg]	Cable Section [mm ²]	Cable Lenght [m]
4SO 050	220	0,5	4	3	2	11,5	3455	0,56	59	-	2000	311,3	6,45	4 X 1,5	1,7
	380				1,2	10,5	3455	0,77	59	-					
4SO 075	220	0,75	5,5	3	3,2	19	3450	0,55	64	-	2000	331,3	7,2	4 X 1,5	1,7
	380				1,9	11,5	3450	0,72	64	-					
4SO 100	220	1	7,5	3	4,5	26,5	3460	0,62	67	-	2000	356,3	8,45	4 X 1,5	1,7
	380				2,7	16,5	3460	0,72	67	-					
4SO 150	220	1,5	9,2	3	5,7	35	3440	0,63	68	-	2000	371,3	9,35	4 X 1,5	1,7
	380				3,9	21,5	3440	0,68	68	-					
4SO 200	220	2	11	3	6,8	43	3445	0,67	71	-	2000	386,3	10,2	4 X 1,5	1,7
	380				4,5	24,5	3445	0,75	71	-					
4SO 300	220	3	15	3	9,6	51	3430	0,73	72	-	2000	436,3	11,65	4 X 1,5	1,7
										-	3000	450	11,9		
4SO 300	380	3	18,5	3	6,7	30	3430	0,72	72	-	2000	436,3	11,65	4 X 1,5	1,7
										-	3000	450	11,9		
4SO 400	220	4	22	3	13,4	73,0	3450	0,73	74	-	3000	450	14,9	4 X 1,5	1,7
	380				8,3	41				-					
4SO 550	220	5,5	30	3	16,5	118	3440	0,72	77	-	5000	505	15,1	4 X 2	2,7
	380				9,9	67	3440	0,74	77	-					
4SO 750	220	7,5	37	3	21,9	137,0	3460	0,73	80	-	5000	699,5	24,65	4 X 2	2,7
	380				12,9	79,0	3460	0,74	80	-					
4SO 1000	220	10	7,5	3	28,1	163,0	3440	0,79	81	-	5000	799,5	28,95	4 X 2	2,7
	380				16,9	94,0	3440	0,77	81	-					

TECHNICAL SPECIFICATIONS



MOTOR/PUMP FLANGE	4" 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 E/O ORIZZONTALE VERTICAL AND/OR HORIZONTAL
MAX. IMMERSION DEPTH	200M
THRUST LOAD	
FROM 0,5 Hp TO 3 Hp	2000N
FROM 3 Hp TO 4 Hp	3000N
FROM 5,5 Hp TO 10 Hp	5000N

SINGLE PHASE VERSION: PSC
TYPE (PERMANENT SPLIT
CAPACITOR)

REWINDABLE MOTOR VERSION

CABLES, VOLTAGE, THRUST
LOADS [...] SPECIAL VERSIONS
AVAILABLE