

TECHNICAL SPECIFICATIONS

REWINDABLE MOTORS

MOTOR/PUMP FLANGE
6" NEMA STANDARD

POWERS

Three-phase: from 5,5 to 50 Hp

VOLTAGE

Three-phase: 380;400;415 V / 50 Hz - 220;380;460 V / 60 Hz

THRUST LOAD

From 5,5 to 20 Hp: 10000 N
From 25 to 50 Hp: 20000 N

CONNECTION

D.O.L.
Δ/Δ

CONSTRUCTION FEATURES

PARTS IN CONTACT WITH WATER all made in AISI 304 stainless steel.

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

UPPER BRACKET made in cast iron with cataphoresis treatment in the standard version; 316 stainless steel available upon request. Sleeve clamping is ensured for the whole series by 8 inserts.

DOUBLE OIL CHAMBER interposed between the mechanical seal and motor's sand protection system thanks the bracket specifically designed on two levels. In this way a special mechanical seal protection is guaranteed.

MECHANICAL SEAL made in 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 to ensure a perfect sealing, also in the most critical conditions, and to aid 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 made in 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.

APPLICATIONS

Civil use
Industrial use
Agricultural use

OPERATING LIMITS

DEGREE OF PROTECTION
IP 68

INSULATION CLASS
F

VOLTAGE TOLERANCE
-10% / +10%

PUMPED LIQUID TEMPERATURE
0°C – 35°C

MIN. COOLING FLOW
0,1 m/s

MAX. STARTS / HOUR
30

MOUNTING
Vertical (Horizontal up to 20 Hp)

MAX. IMMERSION DEPTH
200 m

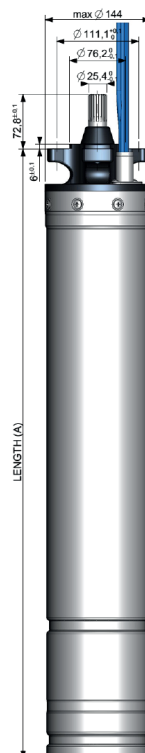
VERSIONS UPON REQUEST

Different thrust loads
Different voltage
Sic-Sic mechanical seal
Upper bracket made in 316 stainless steel

ACCESSORIES

Different cable lengths
Control panels *E.S.P.* (up to 15 Hp)

DIMENSIONS



ELECTRICAL DATA 6OM - 50Hz

Type	Voltage [V]	P ₂ [Hp]	P ₂ [kW]	Ph	I _n [A]	I _{avv} [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]
6OM-T0550	380	5,5	4	3	8,9	47	2830	0,85	76	10000	595	33	3	4 x 4
	400				9,1		2840	0,86	74					
	415				9,3		2850	0,86	72					
6OM-T0750	380	7,5	5,5	3	12,9	66	2830	0,82	75		625	35		
	400				12,8		2840	0,84	74					
	415				12,7		2850	0,83	75					
6OM-T1000	380	10	7,5	3	17,1	81	2840	0,80	79		660	38		
	400				16,8		2850	0,83	78					
	415				16,4		2860	0,85	78					
6OM-T1250	380	12,5	9,2	3	21,8	98	2860	0,76	80	700	40			
	400				21,2		2880	0,77	81					
	415				19,7		2890	0,85	79					
6OM-T1500	380	15	11	3	23,8	123	2840	0,79	84	765	44			
	400				22,9		2850	0,82	85					
	415				23,2		2870	0,83	82					
6OM-T1750	380	17,5	13	3	27,8	141	2850	0,80	83	820	51			
	400				27,6		2860	0,80	84					
	415				27,3		2870	0,83	82					
6OM-T2000	380	20	15	3	31,6	158	2830	0,85	81	820	52			
	400				30,7		2840	0,86	82					
	415				29,9		2860	0,89	80					
6OM-T2500	380	25	18,5	3	39,0	231	2840	0,82	83	883	62			
	400				38,0		2850	0,84	84					
	415				38,5		2860	0,84	83					
6OM-T3000	380	30	22	3	44,0	258	2830	0,88	82	953	67			
	400				45,5		2850	0,83	84					
	415				46,5		2860	0,82	83					
6OM-T3500	380	35	26	3	53,5	296	2830	0,84	84	1018	74			
	400				52,0		2850	0,85	85					
	415				51,5		2860	0,86	85					
6OM-T4000	380	40	30	3	63,5	348	2850	0,81	84	1098	83			
	400				61,5		2860	0,83	85					
	415				63,0		2870	0,83	83					
6OM-T5000	380	50	37	3	78,0	396	2810	0,82	83	1233	92			
	400				76,0		2840	0,84	84					
	415				77,0		2850	0,85	82					

ELECTRICAL DATA 6OM - 60Hz

Type	Voltage [V]	P ₂ [Hp]	P ₂ [kW]	Ph	I _n [A]	I _{max} [A]	rpm	cos φ	η [%]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]	
6OM-T0550	220	5,5	4	3	16,1	16,9	3435	0,79	74	10000	595	33	3	4 x 4	
	380				9,7	16,8	3435	0,81	75						
	460				7,9	9,1	3435	0,79	76						
6OM-T0750	220	7,5	5,5	3	23,7	26,4	3440	0,81	77		625	35			
	380				13,2	15,3	3440	0,78	78						
	460				11,3	12,7	3440	0,79	79						
6OM-T1000	220	10	7,5	3	28,4	32,9	3435	0,81	79		10000	660			38
	380				17,3	19,3	3435	0,84	79						
	460				14,7	16,6	3435	0,85	80						
6OM-T1250	220	12,5	9,2	3	34,6	36,2	3455	0,80	80	700		40			
	380				19,9	22,1	3455	0,79	81						
	460				19,7	22,2	3455	0,79	82						
6OM-T1500	220	15	11	3	38,4	46,7	3450	0,79	79	10000		765	44		
	380				25,8	29,6	3450	0,81	80						
	460				21,2	24,3	3450	0,83	81						
6OM-T2000	220	20	15	3	54,1	60,8	3435	0,77	80		820	52			
	380				33,8	37,2	3435	0,81	81						
	460				27,8	30,9	3435	0,80	82						
6OM-T2500	220	25	18,5	3	66,5	75,5	3445	0,81	81		20000	883	62		
	380				40,1	45,9	3445	0,78	82						
	460				35,7	38,5	3445	0,8	83						
6OM-T3000	220	30	22	3	79,1	89,0	3450	0,76	81	953		67			
	380				46,2	53,8	3450	0,81	83						
	460				43,1	46,0	3450	0,82	84						
6OM-T4000	380	40	30	3	65,1	74,2	3445	0,82	84	1098		83			
	460				55,2	61,2	3445	0,80	85						
	380				82,2	93,5	3440	0,83	83						
6OM-T5000	460	50	37	3	74,3	77,0	3440	0,84	84	1233	92				