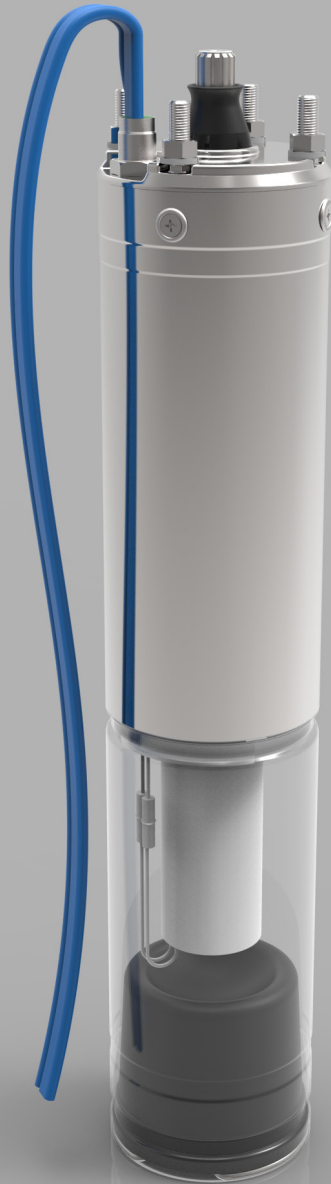


40M2W

50 Hz - 60 Hz



**4" SINGLE-PHASE 2-WIRE OIL FILLED
SUBMERSIBLE MOTORS**



Made in Italy

TECHNICAL SPECIFICATIONS

REWINDABLE MOTORS

MOTOR/PUMP FLANGE

4" NEMA STANDARD

POWERS

Single-phase 50 Hz: from 0,75 to 1,5 Hp

Single-phase 60 Hz: from 0,5 to 1,5 Hp

VOLTAGE

Single-phase: 230 V / 50 Hz - 220 V / 60 Hz

THRUST LOAD

2000 N

CONSTRUCTION FEATURES

BUILT-IN CAPACITOR AND THERMAL PROTECTION, which allow an immediate use of the motor without needing to install an electrical control panel of protection.

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

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

UPPER BRACKET made in cast iron with cataphoresis treatment and protected with an AISI 304 stainless steel cover. Sleeve clamping is ensured by 4 inserts in low power motors and 6 inserts in motors bigger than 3 Hp.

MECHANICAL SEAL made in 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 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. AISI 304 stainless steel projection. DUPLEX, a special type of stainless steel, replaces AISI 304 in motors bigger than 3 Hp. This steel combines excellent resistance to corrosion and high mechanical resistance, which is necessary where static torque becomes really important.

SAND PROTECTION FILTER in addition to the standard sand protection system. It's 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 extremely effective seal check is also carried out on all motors.

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 and/or horizontal

MAX. IMMERSION DEPTH

200 m

VERSIONS UPON REQUEST

Different thrust loads

Different voltage

Sic-Sic mechanical seal

ACCESSORIES *refer to accessories catalogue*

Cable lengths: 20 m or 30 m

Sacrificial anode

Control panels *E.S.P.*

APPLICATIONS

Domestic use

Civil use

Industrial use

Agricultural use

DIMENSIONS



ELECTRICAL DATA 40M2W - 50Hz

Type	P ₂ [Hp]	P ₂ [kW]	Voltage [V]	Ph	I _n [A]	I _{avv} [A]	rpm	cos φ	η [%]	Capacitor [μF]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]
40M2W-S075	0,75	0,55	230	1	4,7	16,5	2810	0,88	57	25	2000	417	7,90	1,5	3 x 1,5
40M2W-S100	1	0,75	230	1	5,9	18,9	2825	0,9	62	35	2000	442	9,10	1,5	3 x 1,5
40M2W-S150	1,5	1,1	230	1	8,3	26,2	2840	0,91	64	40	2000	482	10,70	1,5	3 x 1,5

ELECTRICAL DATA 40M2W - 60Hz

Type	P ₂ [Hp]	P ₂ [kW]	Voltage [V]	Ph	I _n [A]	I _{max} [A]	I _{avv} [A]	rpm	cos φ	η [%]	Capacitor [μF]	S.F.	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm²]
40M2W-S050	0,5	0,37	220	1	3,4	4,2	16	3450	0,92	54	20	1,6	2000	417	7,90	1,5	3 x 1,5
			110		6,8	9,9	29	3470	0,89	48	80						
40M2W-S075	0,75	0,55	220	1	4,7	6,8	20,2	3420	0,95	57	25	1,5	2000	417	7,90	1,5	3 x 1,5
			110		9,9	13,1	39	3435	0,84	53	80						
40M2W-S100	1	0,75	220	1	6,3	8,1	22,6	3435	0,95	58	35	1,4	2000	442	9,10	1,5	3 x 1,5
40M2W-S150	1,5	1,1	220	1	8,3	10,8	32	3455	0,98	64	40	1,3	2000	482	10,70	1,5	3 x 1,5