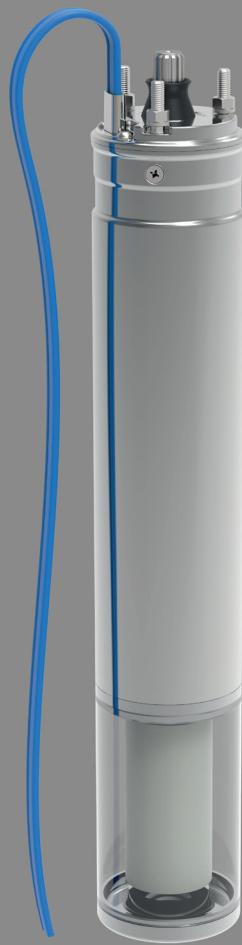


# 3XM2W

50 Hz - 60 Hz



**BUILT-IN CAPACITOR  
AND THERMAL  
PROTECTION**

**3" SINGLE-PHASE 2-WIRE  
SUBMERSIBLE MOTORS**



Made in Italy



## TECHNICAL SPECIFICATIONS

MOTORS WITH STATOR AND ROTOR SEALED IN A DRY ROOM WITHOUT THE PRESENCE OF OIL OR RESIN

### MOTOR/PUMP FLANGE

3", refer to "DIMENSIONS" below

### POWERS

Single-phase 50 Hz: from 0,5 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. Specifically, sleeve is made of AISI 304L (Low carbon) to avoid possible corrosions of the welding and bottom cover is made in microcast AISI 304 stainless steel.

**UPPER BRACKET** made in cast iron with cathoporesis treatment and protected with an AISI 304 stainless steel cover.

**MECHANICAL SEAL** double sealing system, consisting of a lip seal on the external part, which serves the purpose of protecting the second graphite/ceramic seal 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. It is watertight sealed and it works dry, there is no oil or resin in the stator or rotor chamber.

**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 AISI 304 stainless steel.

**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. Seal and electrical checks are carried out on all motors.

## VERSIONS UPON REQUEST

Different voltage  
SIC-SIC mechanical seal

## 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

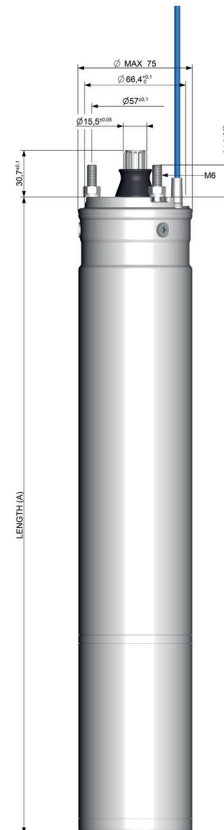
**MOUNTING**  
Vertical and/or horizontal

**MAX. IMMERSION DEPTH**  
60 m

## ACCESSORIES

Different cable lengths  
E.S.P. control panels

## DIMENSIONS



## ELECTRICAL DATA 3XM2W - 50Hz

Type	P <sub>2</sub> [Hp]	P <sub>2</sub> [kW]	Voltage [V]	Ph	I <sub>n</sub> [A]	I <sub>div</sub> [A]	rpm	cos φ	η [%]	Capacitor [μF]	Thrust Load [N]	Length A [mm]	Weight [kg]	Cable Length [m]	Cable Section [mm <sup>2</sup> ]
3XM2W-S050	0,5	0,37	230	1	3,6	12,3	2820	0,91	49	25	2000	440	7,1	1,5	3 x 1
3XM2W-S075	0,75	0,55	230	1	4,9	17,2	2830	0,93	51	25	2000	480	8,1	1,5	3 x 1
3XM2W-S100	1	0,75	230	1	6,4	22,4	2820	0,95	54	35	2000	510	9	1,5	3 x 1
3XM2W-S150	1,5	1,1	230	1	10,6	37,1	2790	0,87	52	40	2000	550	10,1	1,5	3 x 1



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EDIT: BROCHURE 3XM2W EN/APR/2024