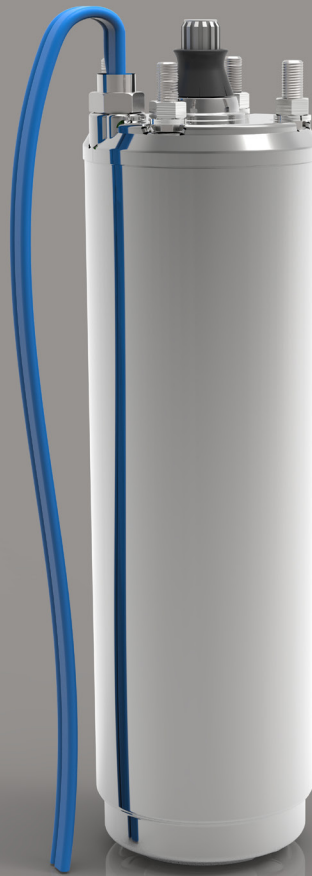


# 4WMM

50 Hz - 60 Hz



**4" WATER COOLED  
SUBMERSIBLE MOTORS, CANNED TYPE**



Made in Italy

## TECHNICAL SPECIFICATIONS

### MOTORS WITH AIRTIGHT SEALED AND RESIN ENCAPSULATED STATOR

#### MOTOR/PUMP FLANGE

4" NEMA STANDARD

#### POWERS

Single-phase: from 0,5 to 5 Hp  
Three-phase: from 0,5 to 10 Hp

#### VOLTAGE

Single-phase:  
PSC type 230 V / 50 Hz  
3-wire 115;230 V / 60 Hz  
Three-phase:  
230;400 V / 50 Hz  
3-wire 230;380;460 V / 60 Hz

#### THRUST LOAD

50 Hz from 0,5 to 1 Hp: 2000 N  
from 1,5 to 4 Hp: 3000 N  
from 4 to 10 Hp: 6500 N  
60 Hz from 0,5 to 0,75 Hp: 2000 N  
from 1 to 3 Hp: 3000 N  
from 5 to 10 Hp: 6500 N

## CONSTRUCTION FEATURES

**PARTS IN CONTACT WITH WATER** all made in AISI 304 stainless steel which ensures resistance to corrosion even in the most extreme conditions of use. External sleeve made in AISI 304L (Low Carbon) for a greater resistance to corrosion.

**STATOR** with 24 slots, specifically developed to achieve maximum electrical performance. Airtight sealed and resin encapsulated. A solution which ensures excellent heat exchange and extremely high mechanical resistance with high pressure, something typical of very deep immersions.

**REMOVABLE POWER CABLE-CONNECTOR** to ensure a perfect sealing, also in the most critical conditions, and to aid maintenance operations. The power cable complies with all major standards on the use in drinking water (KTW, ACS, WRAS).

**FILLING LIQUID** is a mixture of water and propylene glycol to ensure adequate lubrication of the thrust bearing system and to lower the freezing point when stored in very cold places.

**RESTORE LIQUID VALVE** which allows water in to restore internal level.

**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 starting torque becomes really important.



**THRUST BEARING SYSTEM** King-sbury-type with stainless steel thrust bearing runners oscillating on a self-aligning system. A specific runner lapping process makes this system extremely reliable and efficient.

**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 thrust load  
Different voltage

## 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

300 m

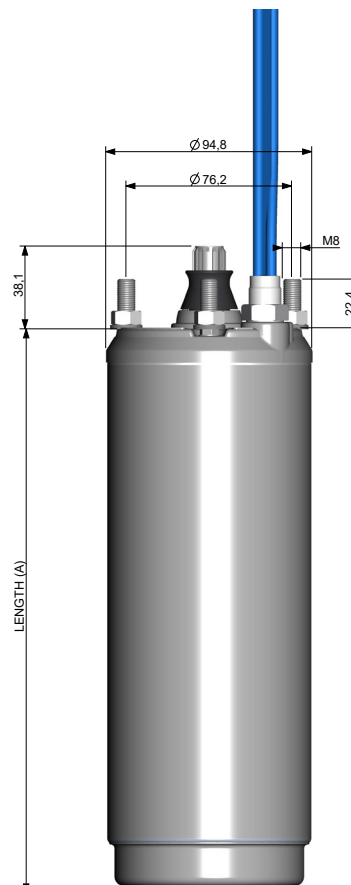
### SINGLE-PHASE VERSION

PSC type 50 Hz  
3-wire CSIR from 0,5 to 1 Hp 60 Hz  
3-wire CSCR from 1,5 to 5 Hp 60 Hz

## ACCESSORIES

Different cable lengths  
Capacitors  
Control panels

## DIMENSIONS







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EDIT: BROCHURE 4WM EN/SET/2024