



**SUBMERSIBLE PUMPS & MOTORS
(50 HZ / 60 HZ)**

www.marwaanpumps.com

CHASING EXCELLENCE
AGRICULTURE ▪ INDUSTRIAL ▪ RESIDENTIAL



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3" WATER FILLED SUBMERSIBLE MOTOR

Marwaan submersible motors are water-lubricated, designed for installation in 3-inch diameter or larger water wells. These motors operate in Capacitor Start Capacitor Run (CSCR) system and can be easily rewound and repaired.

Marwaan submersible motors are robust, rewindable, and pre-filled with clean water. The stator winding is of polypropylene copper winding wires. It features water-lubricated radial and thrust bearings. Dynamically balanced rotors of these Marwaan submersible motors maintain uniform clearance to give better efficiency and increase the life cycle of the water-lubricated bush bearings. Specially designed high-performance thrust bearings are used to withstand high axial thrust loads.

Pressure-equalizing rubber diaphragm is provided to guard against pressure and volume variations due to thermal expansion of water inside the motor. The motor is sealed by O-rings, shaft seals, and sand guards to prevent leakage of motor lubricant and ingress of well water, sand, and fibre particles into the motor. Mounting dimensions of motors are in accordance with "NEMA" standard.



PRODUCT SPECIFICATION

- Rewindable
- Upper & Lower Housing and Motor Base: Graded CI Casting with Epoxy Paint or CED Coating
- Stator Shell : Stainless Steel
- Motor Shaft : SS 431
- Winding Wire : Poly Propylene
- Degree of Protection : IP 68
- Max Water Temperature: 35°C
- Nos. of Starts per Hour : Max 20 at regular intervals
- Voltage Variation : +6%/-10% at rated voltage
- Bearing : Water-lubricated radial and thrust bearing
- Max Depth Immersion : 100 metres
- Motor Cable Length : 3.0 metres (3 core/4 core)
- Single-phase Motor Capacitor Start Capacitor Run (CSCR)
- Power Range : 0.37 to 1.10 kW
- Versions :
- A.C. Single-phase : 220–230 Volt / 50 Hz

PRODUCT FEATURES

- Marwaan Water Lubricated Submersible Motor is robust, rewindable, and pre-filled with clean water mixed with anti-corrosion fluid
- Shaft extension made of Stainless Steel AISI 420
- High-efficiency electrical design for lower operating cost
- Pressure compensation diaphragm
- All single-phase motors require a control box

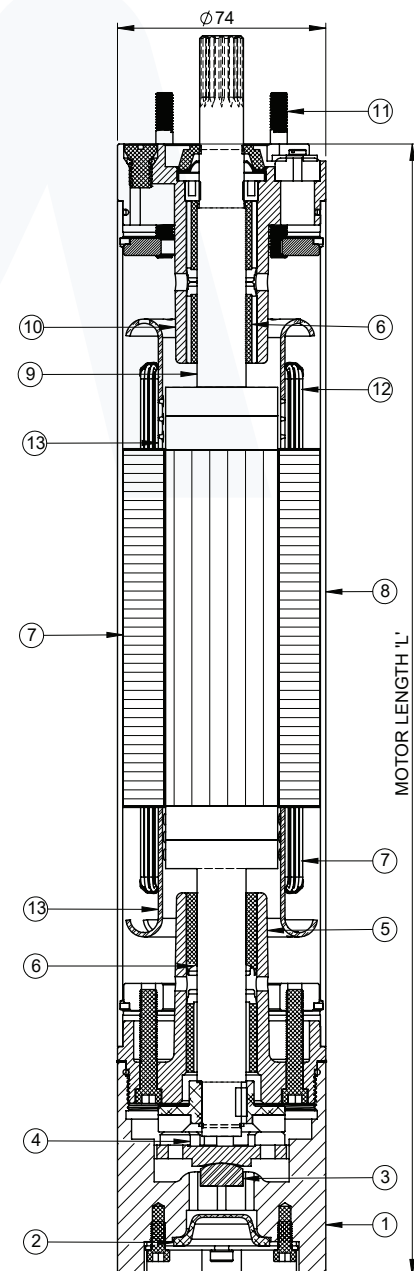
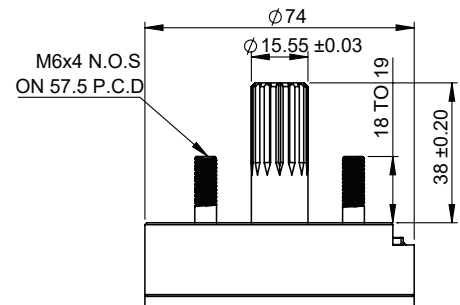
PRODUCT APPLICATION

Marwaan prime mover submersible motors are suitable to couple with deep well submersible pumps used for:

- Residential Purpose
- Fountains
- Pressure Boosting Units
- Gardens & Horticulture



3" WATER FILLED SUBMERSIBLE MOTOR



Sr. NO.	DESCRIPTION	QTY.
1	MOTOR BASE	1
2	BREATHER DIAPHRAGM	1
3	ROCKER SUPPORT	1
4	THRUST BEARING	1
5	LOWER BUSH HOUSING	1
6	BEARING BUSH	4
7	STATOR STAMPING	AS PER S.L
8	STATOR TUBE	1
9	ROTOR	1
10	UPPER BUSH HOUSING	1
11	S.S. STUD	4
12	INSULATED WINDING	
13	WINDING SAFETY CAP	2

