



Sumoto

OP3 2-WIRE

3" 2 wire rewindable oil filled submersible motor



The Sumoto 3-inch oil-filled submersible motor is an asynchronous two-pole electric motor specifically designed for use in small-diameter boreholes, making it an ideal choice for domestic and light commercial water supply applications. It is filled with a dielectric, non-toxic oil, certified for possible contact with potable water, ensuring safe operation and effective thermal exchange.

The 2-wire version features an integrated capacitor and built-in thermal overload protection inside the motor, allowing for direct starting of single-phase motors without the need for an external control box.

This simplifies the installation process, reduce setup time and cost for end users, and ensure reliable and safe operation.

TECHNICAL FEATURES

- Rewindable.
- Built in capacitor.
- Built in thermal overload.
- Upper bracket: Nickel plated cast iron, S1X, SS 304 or SS 316.
- Motor case: SS 304.
- Motor shaft: SS 304.
- Shaft extension and coupling: NEMA Standard.
- High quality radial and thrust ball bearings.
- Winding: enameled copper - Class F insulation.
- Degree of protection: IP68/Class B.
- Max temp. 35° with water cooling flow min. 0.08 m/s.
- Max depth immersion: 100 m.
- Nos. of start per hour: max 30 at regular intervals.
- Over-dimensioned sand slinger.
- Mechanical seal: graphite/ceramic.
SiC/SiC or SiC/Al mechanical seal available as option.
- Coolant: dielectric non toxic high quality lubricant.
- Motor cable length: 1,75 m (2 wires plus ground).
- Voltage variation: +/-10%.
- Suitable for horizontal operation.

MOTOR RANGE VERSIONS:

- Single Phase: 0.37kW (0.5hp) to 0.75kW (1hp), 220-230V / 50Hz (or 60Hz).
- Other voltage and frequencies available upon request.



