

# 6-Inch Water-Filled Submersible Motor

This submersible motor features a robust design and quality components for optimal performance. It is easy to install and provides superior reliability.



## Product Overview

### OMSY6 Series Performance

The OMSY6 series 6-inch water-filled submersible motors are engineered for high-performance operation in demanding environments such as wells and boreholes. These motors feature a robust, rewindable stator design with class Y winding insulation and IP68 protection, ensuring superior reliability and longevity. With oversized thrust bearings capable of supporting loads up to 15,500 N and a non-toxic anti-freeze glycol filling for optimal cooling and corrosion protection, this motor is built for professional-grade durability and ease of installation.

## Technical Specifications

**OMSY6 SERIES 6" WATER-FILLED SUBMERSIBLE MOTORS**


- The Motor Design and Class of Protection enables superior operating performance, superior safety, reliability and long life expectancy.

**DESCRIPTION**


- 6" Motor diameter and length over 1000 mm standard
- Class Y winding insulation
- IP68 protection
- Standard motor design for boreholes and applications for higher pressure
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**FEATURES**

- Three phase 3 to 45 kW, 50/60 Hz
- Standard motor
- Standard motor
- Standard motor
- Standard motor
- Standard motor



**WINDING CODE**



**EXAMPLE OF MOTOR TYPE**

OMSY6-30-380V-50Hz

3-Phase 30 kW, 380 V, 50 Hz

Technical overview of the OMSY6 series motor, highlighting key construction features and operational parameters.

### Protection Grade

IP68

### Winding Insulation

Class Y

### Maximum Immersion Depth

200 m

### Max Starts per Hour

10

### Allowable Voltage Fluctuation

±7%

## Performance Metrics

### Thrust Load Capacity

**15500 N**

Max Thrust Load

### Power Range

3 to 45 kW

### Rated Voltage/Frequency

380 V / 50 Hz

## Configuration

### Optional Features

- Different voltage and frequency options
- Alternative materials
- Double cable outlets for star/delta start

### Compliance

NEMA Standards