

Submersible Centrifugal Pump Motor

This submersible motor drives submersible centrifugal pumps used for underground crude oil pumping. The motor is a diode three-phase squirrel-cage asynchronous type.



Product Overview

Submersible Centrifugal Pump Motor

This submersible motor is a robust, oil-filled, three-phase squirrel-cage asynchronous motor designed for deep-well crude oil extraction. It features a vertical suspension structure with multistage tandem components, ensuring stable operation and efficient heat dissipation even in harsh environments. Offering versatile voltage compatibility and advanced insulation options, this system is engineered for long-term reliability in demanding oilfield applications.

Performance Metrics

Operating Characteristics

2900 r/min

Max Speed (50Hz)

155 °C

Insulation Grade F Max Temp

180 °C

Insulation Grade H Max Temp

Technical Specifications

Electrical Ratings

- Voltage Range: 200V - 3500V
- Current Range: 10A - 120A
- Frequency: 50Hz

Compatible Casing Sizes

4.5 inch, 5.5 inch, 7 inch, 8.625 inch

Construction & Design

Design Features

- Vertical suspension structure
- Stator-rotor multistage tandem design
- Refined mineral oil cooling and insulation
- Thrust bearings for rotor weight support
- Centering bearings for deflection control

Advanced Options

Rare Earth Permanent Magnet Motor Performance

Parameter	Value
Power Increase	30% vs standard
Max Speed	2980 r/min
Efficiency	88%
Power Factor	0.92