

6" MOTORS

The 6" submersible motors of the NBS6 series are rewindable motors and can operate in wells with water not over 35 °C and a pH ranging between 6.5 e 8.0. The filling liquid is a dielectric fluid, known as white oil, approved by the FDA and other international pharmacological institutes. The coupling dimensions and flange comply with the NEMA standard, as these submersible motors are specifically designed to operate coupled with submersible deep well pumps with the same coupling dimensions.

The mainly three-phase power supply ranges between 4.0 kW (5.5 HP) and 30 kW (40 HP). The submersible motors are mainly used in vertical installations. However, these motors can be installed also horizontally prior confirmation from our technical department and global assessment of the required application.

Coverco motors can be installed in 6" wells with a maximum depth of 350 metres. The rewindable feature is ensured by a design that allows the motors to be disassembled and reassembled.

APPLICATIONS

Coverco 6" electric motors ensure reliable operation in wells with diameters equal to or greater than 6". The axial and radial oil lubricated bearings allow for maintenance-free operation. The pressure compensation inside the motor is ensured by a special membrane.

ADVANTAGES

- stator in oil
- cable material compliant with drinking water standards (KTW)
- sand protection and mechanical seal to allow for optimal operation even in the presence of sand in the well
- designed to ensure excellent efficiency and low operating costs
- all motors are pre-filled with liquid and 100% tested

STANDARD MOTORS

- 4.0 to 30 kW
- 6" NEMA flange
- Protection rating: IP68
- Number of starts per hour: max. 20
- Vertical installation (all ratings) and horizontal installation (up to 11kW prior to application assessment and approval by Coverco).
- Rated voltage: 220-230/50Hz; 380-415V/50Hz; 460V/60Hz
- Voltage tolerance: 440 V-342 V
- Cable dimensions: 4mm² and 8.3mm²
- Motor protection: thermal relays in compliance with EN 60947-4-1, trip class 10 or 10A, trip time < 10 s. at 5 x I_N
- Insulation class: F
- Cooling flow rate: min. 16 cm/sec. (30 kW min. 0.5m/sec.
- 4-metre removable cable with plug
- Thrust load: 10000 and 20000 N

OPTIONS

- Special voltage upon request
- Cable length ranging between 4m and 50m for YΔ starter versions (90° cable pos.)
- Silicon carbide mechanical seal.



OPTIONAL:
BRASS UPPER BELL
MORE INFO:
INFO@COVERCO.COM

