

4" MOTORS

The 4" submersible motors of the NBS4 series are the latest addition to the Coverco family.

These 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 motors can be equipped with single-phase and three-phase power supply.

The single-phase line ranges between 0.37 kW (0.5 HP) and 4.0 kW (5.5 HP), whereas the three-phase line ranges between 0.37 kW (0.5 HP) and 7.5 kW (10 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 4" wells with a maximum depth of 250 metres.

The rewindable feature is ensured by a design that allows the motors to be disassembled and reassembled.

APPLICATIONS

Coverco 4" electric motors ensure reliable operation in wells with diameters equal to or greater than 4".

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 (with relative inspection)
- sand protection and mechanical seal to allow for optimal operation even in the presence of sand in the well
- excellent efficiency and low operating costs
- all motors are pre-filled with liquid and 100% tested.

STANDARD MOTORS

- 0.37 - 7.5 kW
- 4" NEMA flange
- Protection rating: IP68
- Number of starts per hour: max. 30
- Vertical and horizontal operation (prior authorisation).
- Rated voltage: 210-220-230/50 Hz; 380-415V/50Hz; 460V/60Hz
- Voltage tolerance: ± 10%
- Motor protection: thermal relays in compliance with EN 60947-4-1, trip class 10 or 10A, trip time < 10 s. at 5 x IN
- Insulation class: F
- Ambience temperature: 30 °C
- Cable dimensions: 4x1.5 mm²
- Cooling flow rate: min. 8 cm/sec.
- Water pH: 6.5-8
- Thrust load: 1500 N, 2500 N, 4500 N(K), 6500 N(K)



OPTIONAL:
BRASS UPPER BELL
MORE INFO:
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