

Quality for your borewell :

These motors are heavy duty, rewindable, stainless steel water filled submersible motors which are designed and sized for installation in 6" diameter or larger water wells. They are of robust construction and are furnished with heavy duty radial & thrust bearings to take the extra radial & thrust load when used with high head pump.

Product Features :

- 6" Water filled heavy duty stainless steel submersible motor.
- Easily rewindable (wet wound) induction motor with PE insulated windings.
- Completely stainless steel AISI 304 construction.
- Water lubricated heavy duty radial and axial thrust bearings.
- Counter thrust bearing.
- Motors are pre-filled with clean water + Glycol mixture.
- Shaft extension made of stainless steel AISI 316.
- High efficiency electrical design (lower operating cost).
- Tropicalized design (lower winding temperature).
- 6" NEMA coupling flange.
- Pressure compensation diaphragm.

Specifications :

- Ratings: Three phase - 4 to 45 kW
- Supply voltages (Tolerance +10% / -15%):
50 Hz, 3 phase, 380 V, 400 V, 415 V
60 Hz, 3 phase, 230 V, 380 V, 460 V
- Degree of protection: IP 68
- Continuous duty
- Ambient temperature: 45°C
- Rotation: Three phase - CCW and CW
- Maximum nos. of starts/hour:
4 to 22 kW - 20
26 to 45 kW - 15
- Water pH: 6,5 - 8
- Minimum cooling flow along the motor:
4 to 15 kW - 15 cm/sec
18,5 to 45 kW - 30 cm/sec
- Motor protection: Select thermal overload protection with trip time < 10 sec. at 5 x I_n
- Maximum submerged depth: 250 metres
- Mounting: vertical / horizontal (up to 30 kW).

On Request :

- Mechanical shaft seal Sic/Sic.
- Built in PT 100 temperature sensor.
- Special voltages.
- Double cable for Star - Delta operation.

Cable Data :

HP	Type of start	Cable x Leads x Size (mm ²)	Length [m]	H x B [mm]	
5.5 to 60.0	DOL	1 x 4 x 6	3.5	7.9 x 24.3	



Submersible Rewindable Motor

Motors that are top class in Performance & Reliability

6" WF Premium Stainless Steel

Cable

Cable safe for drinking water.

Earth cable

Outside earth cable provided.

Sensor

Temperature protection by means of PT 100 sensor (Optional).

Shaft Extension

Stainless steel splined shaft extension to NEMA

Shaft seal

Mechanical shaft seal is standard.

Windings

Rewindable motor construction allows for low – cost motor repair that can be done locally.

Easy Maintenance

Designed for easy disassembly & repair

Efficiency

High efficiency provides energy saving.

Contamination

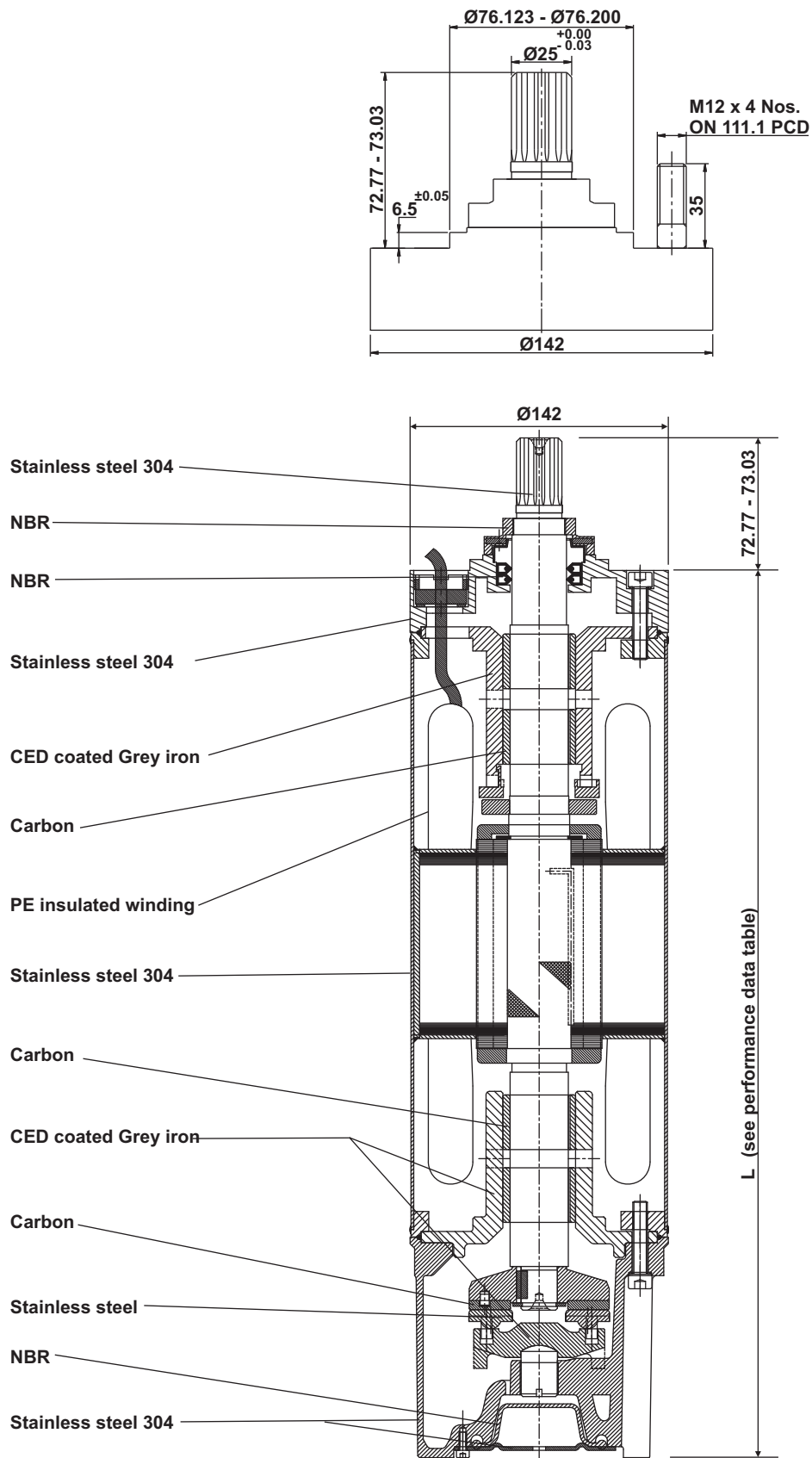
Water filled motor design prevents water contamination.

Thrust

The thrust bearing is larger than the competition and is rated to take much more thrust load than what would be subjected by the pump.

Submersible Rewindable Motor

**6" WF Premium
Stainless Steel**



NOTE