

SPECIFICATIONS (PR. 2026-009)

Pump & motor with complete accessories

Submersible Motors:

Encapsulated Submersible motor	Rating (Volts / Phase)	Frequency (Hz)	Diameter (Inches)
40 HP	230 V / 3-Phase	60hz	6
30 HP			6
5 HP			6

General Features of Submersible Motors:

- 1. Motor casing and shaft made of SS 316
- 2. High resistance coated cast iron upper and lower bracket
- 3. Water lubricated Kingsbury type thrust bearings
- 4. Protection IP68
- 5. Sand slinger protection
- 6. Pressure equalizing diaphragm
- 7. Insulation class F
- 8. Removable lead cable
- 9. Starting method D.O.L. and star/delta

Operating Limits of Submersible Motors:

- 1. Max. voltage fluctuation: ± 10%
- 2. Max. weather temperature: 35°C with at least 0.16m/s of water flow speed
- 3. Max. motor starting per hour: 20
- 4. Max. immersion depth: 350m
- 5. Standard mounting position: vertical and horizontal

Submersible Pumps (coupled to motors):

Submersible Pump (Coupled with the ff motor)	Pump model / equivalent model	Discharge	Total dynamic Head (TDH) in meters	Connection
40 HP	SP 46 - 12	50 m3/hr	170	Rp 3
30 HP	SP 46 – 10	46 m3/hr	140	Rp 3
5 HP	SP 7 – 15	5.6 m3/hr	120	Rp 2

General Features of Submersible Pumps:

- 1. Suitable connection in NEMA standards
- 2. Complete stainless steel (SS 316)
- 3. Maximum allowable sand content 50g/m³
- 4. NSF/ ANSI/ CAN 61 certificated

Applications:

- 1. Water supply from borehole wells

Prepared by:


ENGR. JOSE LITO A. GILLERA
Department Manager A
Operations Department