

SPECIFICATIONS (PR. 2026-008)

Pump & motor with complete accessories

Submersible Motors:

Encapsulated Submersible motor	Rating (Volts)	Frequency (Hz)	Diameter (Inches)
100HP	460V	60hz	8
75HP			8
50HP			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: $\pm 10\%$
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
75 HP	SP 95-11	125 Cu. m./hr	170	Rp 5
50 HP	SP 60-13	60 Cu. m./hr	175	Rp 4

General Features of Submersible Pumps:

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

Applications:

1. Water supply from borehole wells

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