

Submersible 4w



Mahavir 4w Submersible Pumpsets are wet-type motors of a single-phase and three-phase type, with squirrel caged rotor, suitable for operation when completely immersed in water or water-based mixture. They are of the rewindable water bath type. The Pump radial hydrodynamic layout reduces the axial dimensions of the hydraulic elements, as well as avoiding elaborating an elevated number of stages to be used in order to obtain high pressures with modest flows.

Mahavir 4w Submersible Pumpset are available in Cast Iron Version , Stainless Steel version for normal and heavy-duty motor. Stainless steel 316 version for acidic water.

Pumpsets are suitable for water well of minimum size 4" (100mm) or larger water wells. Continuous rating in 5° C to 25° C water as per IEC 60034-1.

Special Features

- Motor water bath water cooled (IC40)
- Motor Bush - Metal Impregnated Graphite.
- Stator - Easily Rewindable and Replaceable at field.
- Highly durable design for best hydraulic efficiency.
- Better Efficiency by High Discharge, Low power consumption, covering wide voltage operation zone.
- Less Weight due to S.S. constructions / Noryl pump.

Property Of Water

Specific Gravity	: 1.004 max.
Chloride Content	: 500 ppm. (max.)
Turbidity	: 50 ppm. Silica scale (max.)
Allowable Soilds	: 3000 ppm. (max.)
pH Value	: 6.5 to 8.5
Temperature	: 33° C (max.)
Permissible Amt. of Sand:	25 Grams / Cu. Meters. (Max.)

Technical Specification

Discharge capacity	: 35 LPM to 300 LPM
Head Range	: 10 Mtrs. to 200 Mtrs.
Motor H.P.	: 0.5 to 3.0. H.P.(0.37kw to 2.2kw) 1 Ø Phase/ Power Supply 50Hz with 230V-120V Operating Voltage Range. 1 to 7.5 H.P. (0.75kw to 5.5kw) 3 Ø Phase/ 50Hz with 415V-180V Operating Voltage Range. According to IEC 60034-1. Other voltage Possible up to 675V.
Max. Dia. of Pumpset	: 95 mm

Electrical Features

Degree of protection	: IP58
Insulation	: Class B
Max. Starts Per Hour	: 30 Numbers
Min. Starts Per Six Months	: 01 Numbers

Mechanical Features

- Stainless Steel Splined shaft with Neema Mounting Dimensions
- Sand resistant construction
- Kingsbury type Thrust Bearings
- Axial thrust up to 6500 N for High Thrust Motor