

Submersible 3w



Mahavir 3w Submersible Pumpsets are wet-type motor 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 3w Product is design for Best Efficiency and it is easily replaceable for jetpump & Handpump.

Pumpsets are suitable for water well of minimum size 3" (72mm) or larger water wells. Continuous rating in 4° C to 24° C water as per IEC 60034-1.

Special Features

- Motor are water bath water cooled for easy rewindable and replaceable (IC40)
- Stator Rewindable and Replaceable at field.
- Highly durable designed for best possible hydraulic efficiency.
- Better Efficiency by High Discharge & Low power consumption.

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 : 25 LPM to 70 LPM
Head Range : 10 Mtrs. to 50 Mtrs.
Motor H.P. : 0.5 to 2.0. H.P.(0.37kw to 1.5kw) 1 0/Phase /50Hz with 230V-140V
Operating Voltage Range.
Max. Dia. of Pumpset : 72 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