



The Unmatched Power Machine

SUBMERSIBLE PUMPS



Economical



High



High



Low Power



Wide Voltage

Powermach Submersible Pumps are renowned for their high efficiency and reliability throughout the range. Made entirely of corrosion-resistant stainless steel/Noryl, Powermach pumps are ideal for a wide variety of applications.

Powermach pumps represent state-of-the-art hydraulic design. Built to deliver optimum efficiency during periods of high demand, these pumps provide low long-term costs and high operating reliability regardless of the application.

The Powermach range offers high efficiency, high resistance to sand and other abrasives, motor burnout protection, and easy maintenance.

Applications

The pumps are suitable for:

- Groundwater supply to waterworks
- Irrigation in horticulture and agriculture
- Groundwater lowering
- Pressure boosting
- Sprinkler and Drip irrigation systems
- Industrial applications.

Features and benefits

- State-of-the-art hydraulics provide high efficiency and low operating costs
- Sand resistant by SS wearing rings
- Resistant to aggressive water
- Motor can withstand wide voltage fluctuations due to use of winding wires wrapped with superior polymer.
- Robust construction to ensure durability of pumps.
- All rotating parts are dynamically balanced.
- Carbon bearing and SS segments used to withstand high thrust load.
- All guide bush are protected with sand guards.
- Bearing sleeves are provided with hardchrome plating for better life in sandy conditions.
- Rotors are with Special Epoxy paints for longer life



Material of Construction

PUMP

Pump Shaft : Stainless Steel AISI 410.
Suction Housing : Cast Iron FG 200 Grade
Impeller : Stainless Steel AISI 410/Noryl Glass Filled
Diffuser : Cast Iron FG 200 Grade/Noryl Glass Filled
Sleeve : AISI 410 with hard chrome plating

MOTOR

Motor Shaft : Stainless Steel 410.
Stamping : Silicon Steel.
Casting Parts : Cast Iron FG 200 Grade
Thrust Bearing : Carbon V/s S. S.
Copper : EC Grade min 99.90%

Technical Specification

Head Range	:	13 Mtrs to 450 Mtrs
Discharge Range	:	10 LPM to 2200 LPM
Motor Rating	:	0.5 HP to 5.0 HP in Single Phase - 230 V, 50 Hz, AC Supply 0.5 HP to 30 HP in Three Phase - 380 V/415 V, 50 Hz, AC Supply
Voltage Range	:	150 V to 250 V (1 Phase) 200 V to 440 V (3 Phase)