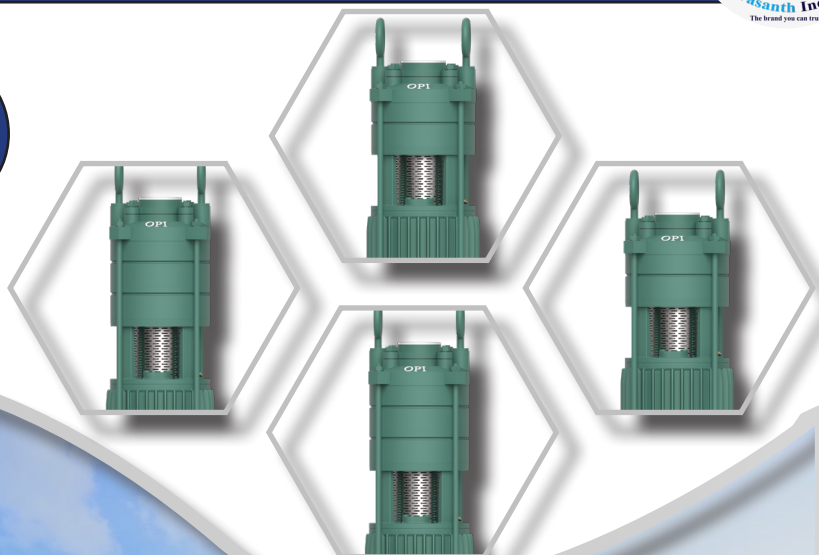


VERTICAL OPENWELL

SUBMERSIBLE PUMPSET
50 Hz, 415V



Farming



Industrial



Gardening



Water Supply



SUBMERSIBLE VERTICAL OPENWELL THREE PHASE



OM PRASANTH INDUSTRIES

OPI VERTICAL OPENWELL

SUBMERSIBLE VERTICAL OPENWELL- THREE PHASE



OM PRASANTH INDUSTRIES

1. DESCRIPTION :

Experience powerful performance with our Agricultural Vertical Openwell Pumps, offering a power range of 2.2kW-11kW. Achieve impressive speeds of 2880 rpm and flow up to 2500 lpm. Ideal for intensive agricultural needs.

2. SALIENT FEATURES:

- **High Discharge :**
High Operating efficiencies of pumpset result into high water discharge rate and lower power bills, Guarantees maximum water output for each cycle.
- **No Problem with suction or priming :**
Easy to use without requiring constant attention.
- **Water Lubricated Bearings :**
Provide a smoother running and longer lifespan for the pump.
- **Casting Components :**
Impeller and motor body designed for durability and corrosion resistance.
- **Rigid Construction :**
Built to withstand challenging operational conditions.
- **Low noise operations :**
Provides a quiet and disturbance-free environment.
- **Consistent water flow :**
Steady and uniform water supply guaranteed.
- **Vibration free operation:**
All rotating components are dynamically balanced to ensure long bearing life and vibration free smooth operations.
- **Testing process :** All pumpsets are fully tested and prior to despatch.



3. OPERATIONAL CONDITION :

Pump set should be submerged in water with minimum of 0.5m above water level,

- | | | |
|--------------------------------------|-------------------------------------|--|
| • Turbidity : 50 ppm Max | • PH : 6.5 To 8.5 | • Specific Gravity : 1.004 Max |
| • Chlorides : 500 ppm Max | • Temperature : 33 Deg C Max | • Hardness : 300 ppmMax |
| • Total Solids : 3000 ppm Max | • Voltage : 160 - 240 Volts | • Permissible Amount of sand : 25 g/ m ³ |

4. TECHNICAL SPECIFICATION :

SPECIFICATION :

- Power Range** : 2.2 kW to 11.1 kW (3.0 HP - 15.0 HP)
- Supply Type** : Three Phase (50Hz, AC Supply)
- Voltage Range** : 380 V - 415 V
- Speed** : 2880 RPM
- Head** : Upto 140m
- Flow** : Upto 2500 Lpm
- Liquid / Max Temp** : Clear Water / 33° C ,
- Type of Duty** : S1 (Continuous)
- Insulation** : Class B, 99.9% Pure Copper
- Delivery Size** : 1, 1 ½ , 2 , 2 ½ , 3 , 4,&6.

5. MATERIAL OF CONSTRUCTION:

- Body:**
Cast Iron – FG 260
- Impeller:**
High graded cast iron and dynamically balance. built for durability and effective water flow.
- Motor Shaft :**
High Grade stainless steel for durability and anti-rust properties. A sufficient diameter of stainless steel that is ground to precise tolerances and guarantees rigidity.
- Cable Sealing Arrangement :**
Designed so that no borewell water with sand can enter the motor.
- Thrust Bearing :**
Carbon & Stainless steel , water lubricated to withstand high axial thrust loads.
- Winding :**
PVC / Polywrap insulated, water cooled.
- Casing :**
High Grade cast iron – FG 260.
- Seal :**
Precision-engineered Mechanical Seal, ensuring leak-proof operation



MATERIAL OF CONSTRUCTION

PART	MATERIAL	PART	MATERIAL
IMPELLER	CAST IRON - FG 260	SHAFT	SS410
STATOR	CRNO / LC - STAMPING	ROTOR	COPPER
WINDING	POLYWRAP	BEARING BUSH	CARBON / LTB 4
CASING	CAST IRON - FG 260	DIAPHRAGM RUBBER	NITRILE RUBBER (OPTIONAL)
MOTOR BODY	CAST IRON - FG 260	FASTNERS	SS304 / SS202

SUBMERSIBLE VERTICAL OPENWELL- THREE PHASE



6. APPLICATIONS :



7. BENEFITS:

- Water circulating systems, fountains, lawns and gardens.
- Irrigation from open wells especially where there is wide fluctuation in water levels.
- Landscape irrigation and decorative water features.

8. ACCESSORIES AND PACKING ITEM'S :



Cable joining kit



Acrylic Key Chain



Warrenty Card

9. TESTING CONDITIONS :

- All performance data is derived from measurements made at standard voltage conditions using a 50 Hz motor operating at a constant speed of 2880 rpm. Performance will change on low voltage.
- All measurements are done using gas - free water and temperature of water is 24 ° C .
- Only fill Clear and cold water in the Motor.

SUBMERSIBLE VERTICAL OPENWELL- THREE PHASE



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