

HORIZONTAL OPENWELL

SUBMERSIBLE PUMPSET
50 Hz, 220V



Farming



Domestic



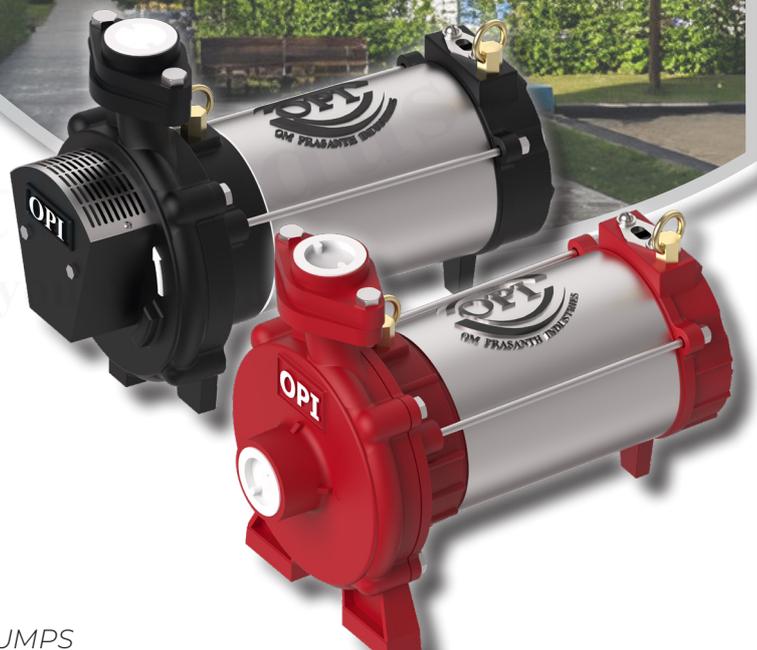
Gardening



Water Supply



Industrial



OM PRASANTH INDUSTRIES

Mfg.by : OPI PUMPS

SINGLE PHASE
SUBMERSIBLE
OPENWELL



OPI HORIZONTAL OPENWELL



01. DESCRIPTION :

Introducing our 0.5- 1.5 HP open well pumps, Optimized for open wells with the power of 0.37 Kw to 1.1 Kw. Achieve flows up to 180 lpm and 34m head. Perfect for home and agriculture Reliable across 160V - 240V. Efficient water delivery awaits!

02. 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.
- **Satinless Steel 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.

03. 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 |

04. TECHNICAL SPECIFICATION :

SPECIFICATION :

- **Power Range** : 0.37 kW to 1.1 kW (0.5 HP - 1.5 HP)
- **Supply Type** : Single Phase (50Hz, AC Supply)
- **Voltage Range** : 160 V - 240 V
- **Speed** : 2880 RPM
- **Head** : Upto 34 Mtr (10 Mtr - 34 Mtr)
- **Flow** : Upto 180 Lpm
- **Liquid / Max Temp** : Clear Water / 33° C ,
- **Type of Duty** : S1 (Continuous)
- **Insulation** : Wet Type, Cat - B
- **Method of Starting** : 1 ph- Capacitor Start Capacitor Run (CR).



05. MATERIAL OF CONSTRUCTION:

- **Body:**
Robust and corrosion- resistant Stainless Steel.
- **Impeller:**
Superior quality Noryl (High Strength), graded cast iron and dynamically balance. Built for durability and effective water flow.
- **Motor Shaft :**
High graded Stainless steel for durability and anti-rust properties. A sufficient diameter of Stainless Steel that is ground to precise tolerance 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.
- **Pressure Equalizing Diaphragm :**
Suitably sized to allow for water expansion inside the motor and stop cooling water loss.

MATERIAL OF CONSTRUCTION

PART	MATERIAL	PART	MATERIAL
IMPELLER	NORYL / SS410	SHAFT	SS410
STATOR	CRNO / LC - STAMPING	ROTOR	COPPER / ALUMINIUM
WINDING	POLYWRAP	BEARING BUSH	CARBON / LTB 4
STATOR TUBE	SS202 / SS304	DIAPHRAGM RUBBER	NITRILE RUBBER (OPTIONAL)
MOTOR BODY	CASTING / SS202 /SS 304	FASTNERS	SS304 / SS202

HORIZONTAL OPENWELL - SINGLE PHASE



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