

## OPI DEWATERING PUMP

**OPI DEWATERING PUMPS**  
**50 Hz, 220V**



Domestic



Industrial



Mfg. by : OPI PUMPS

## DEWATERING PUMPS



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## ■ 01.DESCRIPTION :

Introducing our 1.0 HP - 2.0 HP , Dewatering Pump with the power of 0.37 Kw to 1.5Kw. Achieve flows up to 28 m<sup>3</sup> / hr with Maximum Head Upto 28 Mtr. Perfect for Slushy Water, Water with Solids & Sump Drainage. Reliable across 215V - 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.
- **Thermal Overload Protector(TOP) :**  
The motor is fitted with the Automatic reset motor protector, prevents motor from burning due to high temperature / Phase Failure /Voltage drop and lock impeller.
- **Satinless Steel Components :**  
Motor Body and Shaft is designed for durability and corrosion resistance.
- **Cable Base:**  
Epoxy Resin Seal Cable base to prevent water into motor through cable wires.
- **Float Switch :**  
Premium Quality Float Switch is provided with Epoxy Resin Seal Cable base to prevent water into motor through cable wires .
- **Impeller :**  
Impeller can generate a rapid rotating Vortex to handle Fluid.
- **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.

## ■ 03. TECHNICAL SPECIFICATION :

### SPECIFICATION :

- **Power Range** : 0.37 kW to 1.5 kW (1.0 HP - 2.0 HP)
- **Supply Type** : Single Phase ( 50Hz, AC Supply)
- **Voltage Range** : 215 V - 240 V
- **Speed** : 2880 Rpm
- **Head** : Upto 29Mtr
- **Flow** : Upto 28 m<sup>3</sup> / hr
- **Degree Of Protection** : IP68
- **Max.Impression Depth** : 5 M
- **Liquid / Max Temp** : Water / 39° C ,
- **Type of Duty** : S1 (Continuous)
- **Insulation** : Cat - B / F, 99.9% Pure Copper
- **Method of Starting** : 1 ph- Capacitor Start (CS)
- **Delivery Size** : 1" & 2" .



## ■ 04. MATERIAL OF CONSTRUCTION:

MATERIAL OF CONSTRUCTION	
PART	MATERIAL
IMPELLER	CAST IRON / NORYL
DELIVERY PART	CAST IRON
STATOR	CRNO / LC - STAMPING
MOTOR BODY	STAINLESS STEEL
SEAL	MECHANICAL SEAL
SHAFT	SS SHAFT
ROTOR	COPPER / ALUMINIUM
WINDING	POLYWRAP

## ■ 06. APPLICATIONS :



## ■ 07. BENEFITS:

- Efficient removal of **Slurry and Waste water** containing light impurities or fine particles
- Ideal for **construction site dewatering and sump drainage** operations.
- Used in **flood control** and emergency water evacuation applications.
- Suitable for Fish pond, Basement and Pit Water removal.
- Perfect for industrial and domestic drainage systems where quick water clearance is needed.

## ■ 08. TESTING CONDITIONS :

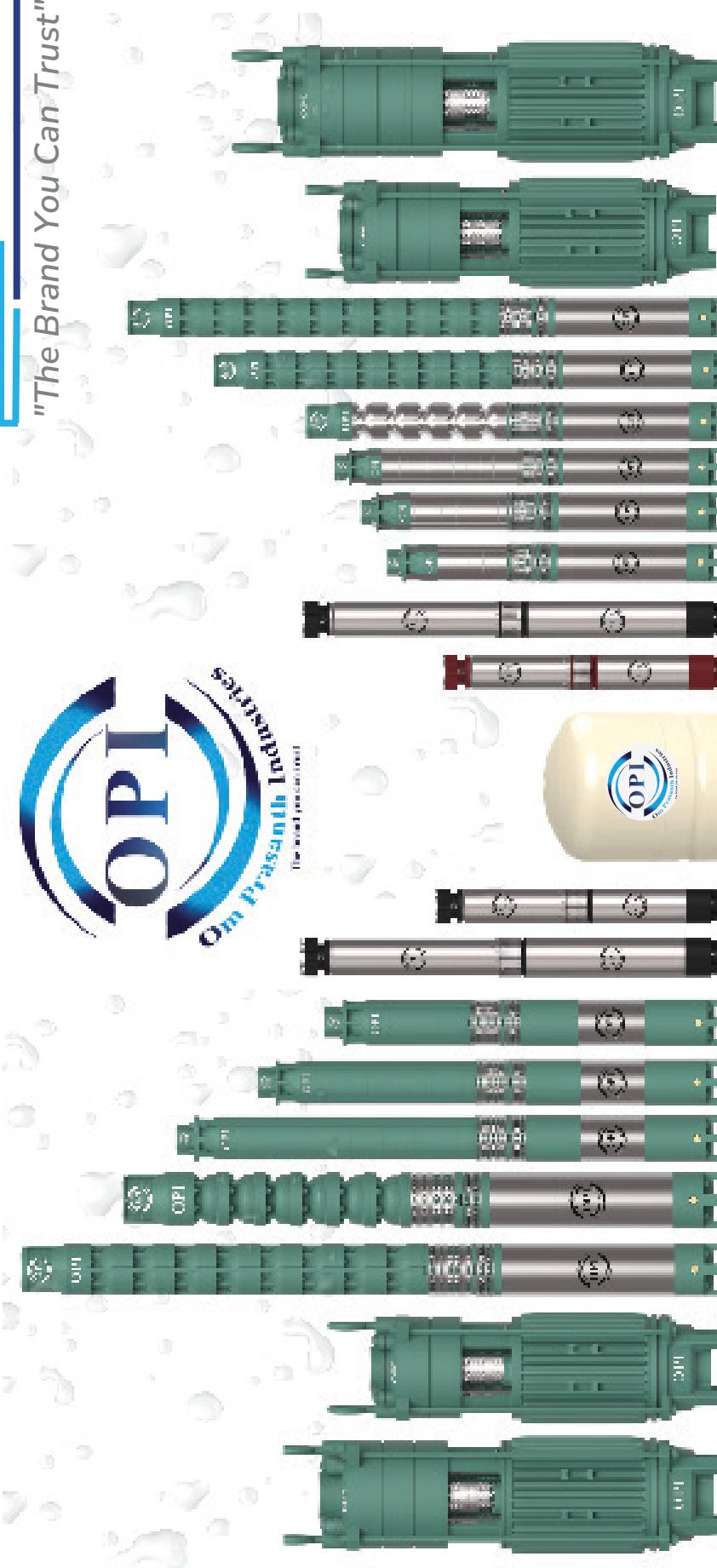
- All performance data is derived from measurements made at standard voltage conditions using a 50 Hz motor operating at a constant speed of 2880 rpm. Performance will change on low voltage.
- All measurements are done using gas - free water and temperature of water is 30 ° C .

## ■ 09. PERFORMANCE CHART :

OM PRASANTH INDUSTRIES				PERFORMANCE CHART FOR DEWATERING PUMP							
SL.No	MODEL	Motor Rating		Discharge in M <sup>3</sup> /Hr	6	9	12	18	24	30	36
		kW	HP	Discharge in LPM	100	150	200	300	400	500	600
01	PDWP 05	0.37	0.5	Head in Meters	8.1	5.2	2.0				
02	PDWP 10	0.75	1.0		12.3	10.8	9.1	5.2			
03	PDWP 20	1.5	2.0		19	17.5	16.5	14.4	11.8	8.5	5



"The Brand You Can Trust"



## OPI PUMPS & MOTORS

# OPI DEWATERING PUMPS - SINGLE PHASE



OM PRASANTH INDUSTRIES