

# Pump Data Sheet

**1 1/4" Nominal Discharge**  
**1" Solid Size**  
**2-poles; 3450 RPM**



Vortex Impeller

**Model**  
**TP 28 V**

Page 1 of 1

## Electrical Data

Curve Number	Model Number	Impeller / Motor Code (mm)	Voltage	Phase	Speed	Max. B.H.P.	AMPS F.L.	AMPS LR.	Power Factor	Motor Eff. (%)	Cable O.D.(mm)
1	TP28V16/2/1	80 / 16	230	1	3450	1.1	6.6	16	0.85	65	12
2	TP28V16/2/3	80 / 16	230/460	3	3450	1.1	4.0/2.0	18.2/9.1	0.75	65	12

Cable Size on all TP28 Pumps: 4G1.5

## Motor Construction

Motor Type	Enclosed submersible
NEMA Insulation Code	Class F
Service Factor	1.15
NEMA Design Letter	B
Standard Cable Length	30 ft
Available Motor Voltages	1 Phase: 115V, 230V; 3 Phase: 200V, 230V, 460V, 575V

Single Phase Units require Run Capacitors. Please see Technical Section for sizing.

## Standard Material Of Construction

Motor Housing	Cast Iron ASTM A48; Class 40B
Volute	Cast Iron ASTM A48, Class 40B
Impeller	Cast Iron ASTM A48, Class 40B
Shaft	AISI 430F Stainless Steel
Mechanical Seal – Impeller Side	Silicon Carbide vs Silicon Carbide
Mechanical Seal – Motor Side	Lip Seal
Fasteners	AISI 304 Stainless Steel
O-Rings	Nitrile Rubber
Upper Bearing	Deep Groove Ball Bearing
Lower Bearing	Single Row Angular Ball Bearing
Power Cable Sheathing	Nitrile Rubber

**Please see Technical Section of Catalogue for additional Information**

PTI reserves the Right to change Product, Material or Design Data as required without Notification.