



Performance you can trust

Submersible Dewatering Pump



Applications

- Civil engineering.
- Mines, quarries, coal ore and slurries.
- Sewage treatment plants.
- General pumping purposes.

Performance Range

- Flow: up to 55 M3/H
- Head: up to 20 meters
- Speed: 2900 RPM
- Power: 2.2 Kw



Application limits

- Liquid Temperature between: 0°C to 50°C
- Ambient temperature : Up to 45°C
- Liquid PH value: 6.5-8.5

Motor Details

- Insulation class – F
- Protection: IP68
- Voltage: 380-420v, 50Hz
- Power: 2.2 Kw
- Winding: 100% Copper

Installation and use

- Compact design, high performance and exceptional durability for handling abrasive liquid, widely used in general construction and civil engineering.
- The body of motor and pump is made of rigid cast iron or stainless steel for long-lasting durability.
- Greatly increased maximum submersible depth due to mechanical seal resistance to high pressure (0.5Mpa)
- Semi-open impeller made of high ss304 match with wear plate (SS304) achieves superior durability.
- Effective motor cooling due to discharge channel cast iron as part of the motor housing. Space economy by a top outlet.
- Hermetically sealed motor equip build-in thermal protection. The protector in the motor can automatically cut off the power when it overheats or over current.

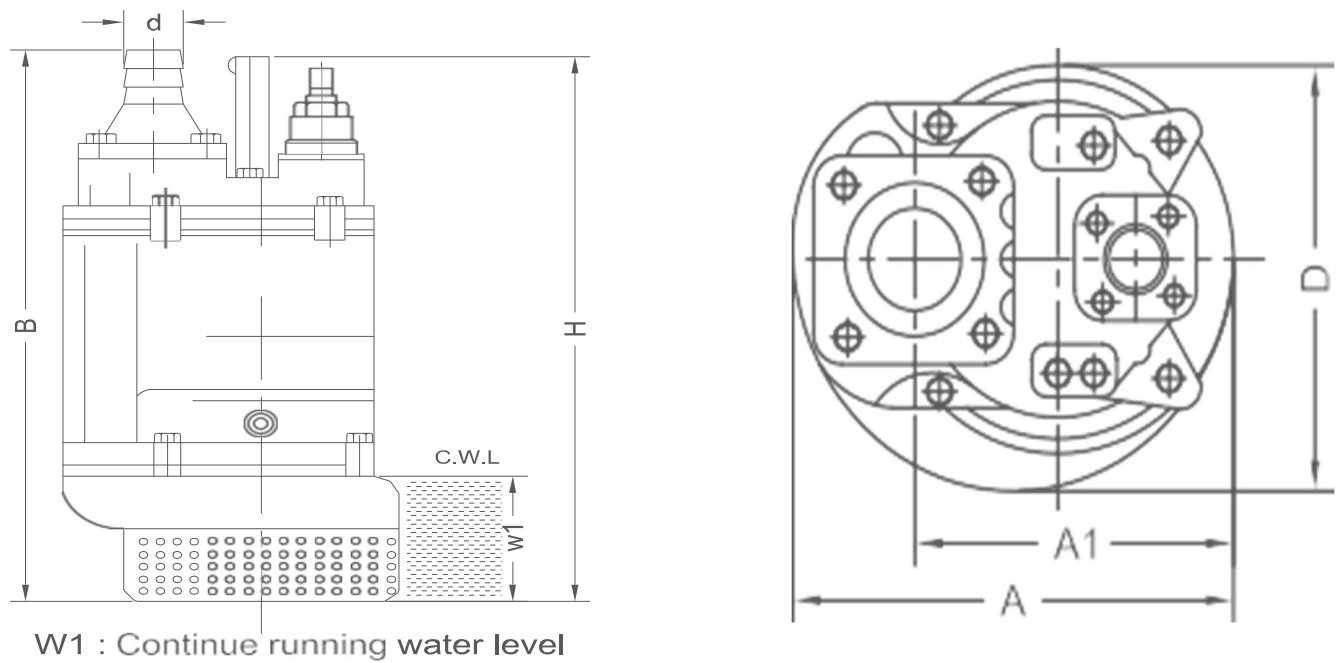
Pump Selection Chart

Model	Power		Voltage (50Hz)	Speed (RPM)	Inlet/ outlet	Max. Flow (M3/H)	Max. Head (meter)	Impeller Passage (MM)	Net Weight (Kg.)
	HP	KW							
TDP2.2-3	3.0	2.2	380-420v	2900	3	55	19	8.5	39.0

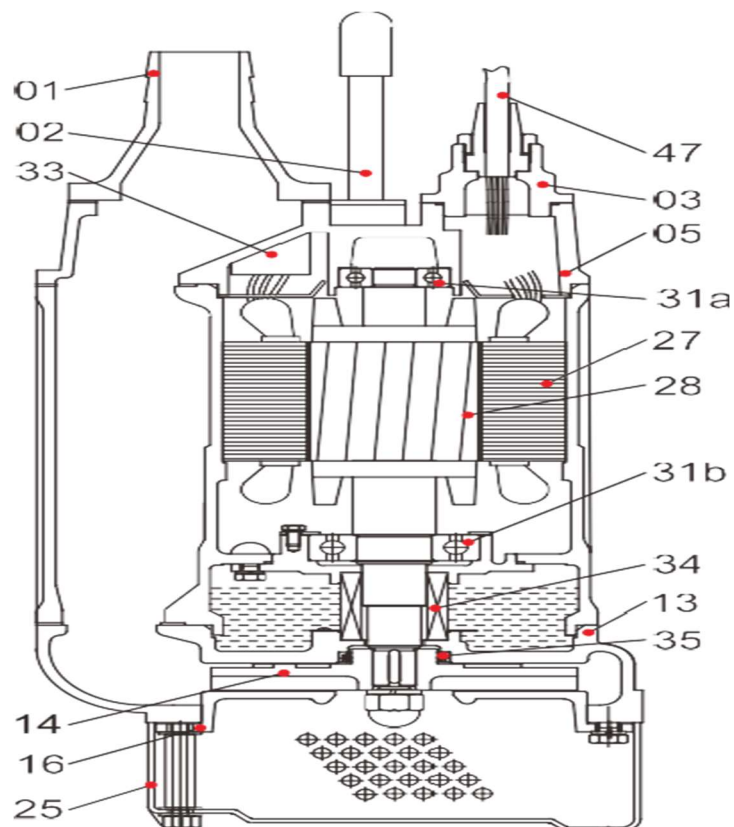
Pump Dimension

Model	Dimension in mm						
	D	A	A1	B	D	H	W1
TDP2.2-3	80	235	173	517	216	486	120

G.A Drawing



Expload view



Material Of Contraction (MOC)

Code no.	Parts name	Material	Code no.	Parts name	Material
01	Outlet	Cast iron	27	Stator	
03	Handle	Steel & Rubber	28	Rotor	Shaft: AISI420SS
05	Upper cover	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
12	Outer casing	Steel	33	Motor protector	
14	Impeller	SS304	34	Mechanical seal	Sic-sic/Carbon-sic(<2.2Kw) Sic-sic/Sic-sic(<4.0Kw)
15	Diffuser plate	SS304	35	Oil Seal	
25	Strainer		47	Cable	

Pump Performance Curve

Model	Power		Q	US GPM	0	44.0	88.0	132.0	154.0	176.0	198.0	220.0
				M3/H	0	10.0	20.0	30.0	35.0	40.0	45.0	50.0
	HP	KW		LPM	0	167	333	500	583	667	750	834
TDP2.2-3	3.0	2.2	H meters	20	18	16	13	11	9	6	3	

Hydraulic Performance Curve TDP2.2-3 2900RPM, 50Hz

