

ISO 9001
ISO 14001
OHSAS 18001
Certified Company

PARANAA[®]
PUMPS

HYDRAA

- Submersible De-watering
Slurry Pumps



PERFECT ENGINEERS
THE PERFECT PUMP

Submersible De-watering Pumps

Characteristics

- Anti corrosive and rust proof material
- Wear-resistant shaft and impeller
- Excellent cooling of the motor enables the pump to operate even when it is partially submerged
- Double mechanical seal
- Protection IP 68

Material of Construction

Part Name	Material
Motor Housing	SS 304
Pump Adaptor	Cast Iron
Impeller	Vortex
Shaft	SS 410
Mechanical Seal	Carbon Vs. Ceramic Silicon Carbide Vs. Carbide Alloy



Performance

Single Phase, 3000 - RPM (Syn.), 50Hz, 220 - 240 V; 1.0 - 1.5 HP

Three Phase, 3000 - RPM (Syn.), 50Hz, 415 V; 1.0 - 10 HP

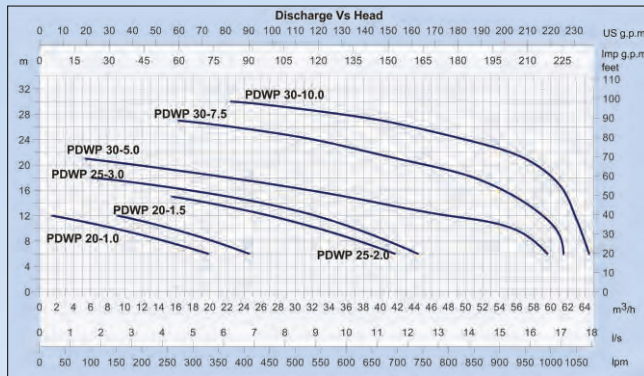
S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters										Impeller Passage (mm)
			kW	HP	6	9	12	15	18	21	24	27	30		
					Discharge in m³ / hr										
1	PDWP 20 - 1.0	2"	0.75	1.0	19.8	11.9	1.5							20	
2	PDWP 20 - 1.5	2"	1.1	1.5	24.6	18	9.2							20	
3	PDWP 25 - 2.0	3"	1.5	2.0	41.7	35.2	27	15.6						25	
4	PDWP 25 - 3.0	3"	2.2	3.0	44.4	39	32.4	22.2	6.1					25	
5	PDWP 30 - 5.0	4"	3.7	5.0	59.6	57	48	36	22.2	5.4				30	
6	PDWP 30 - 7.5	4"	5.5	7.5	61.5	61	58.6	57.6	51	42	32.2	16.3		30	
7	PDWP 30 - 10.0	4"	7.5	10.0	64.5	63	62.7	62.1	61.5	57	50	40.2	22.5	30	

Areas of Usage

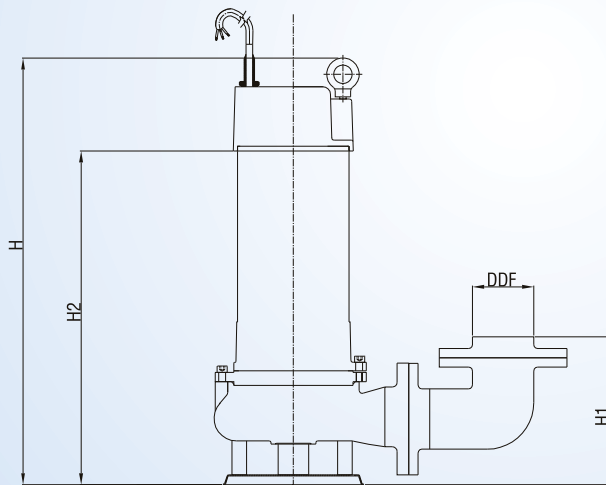
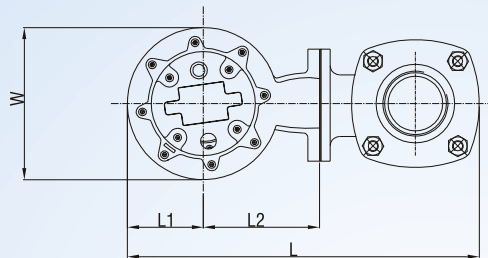
- Civil & Construction Sites
- Ponds & Water Storage Areas
- Sump & Drainage

Applications

- Light / Heavy Duty De-watering Systems
- Mines, Quarries, Coal Ore & Slurries
- Sewage Treatment Plants
- Industrial waste water pumping



Dimensions



S.No.	Product Name	DDF (BSP)	Dimensions (mm)						
			L	L1	L2	W	H	H1	H2
1	PDWP 20-1.0	2"	260	100	160	193	560	150	394
2	PDWP 20-1.5	2"	260	100	160	193	580	150	414
3	PDWP 25-2.0	3"	459	102	152	205	572	164	451
4	PDWP 25-3.0	3"	459	102	152	205	592	164	471
5	PDWP 30-5.0	4"	477	110	176	221	670	225	584
6	PDWP 30-7.5	4"	477	110	176	221	710	225	624
7	PDWP 30-10.0	4"	477	110	176	221	740	225	654

De-watering Submersible Pumps

Characteristics

- Rigid Cast Iron construction
- Maximum submersion depth achieved due to high pressure resistant mechanical seal
- Superior Motor Cooling due to integrated discharge channel with the motor housing
- Hermetically sealed motor with built in thermal overload protection
- Semi-open impeller with wear plate
- Insulation Class : F
- Protection Class : IP68



Material of Construction

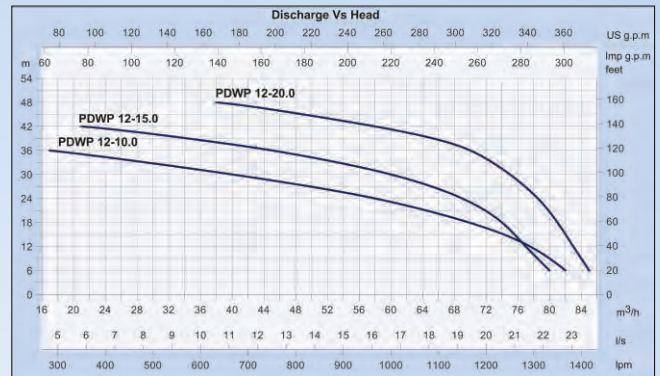
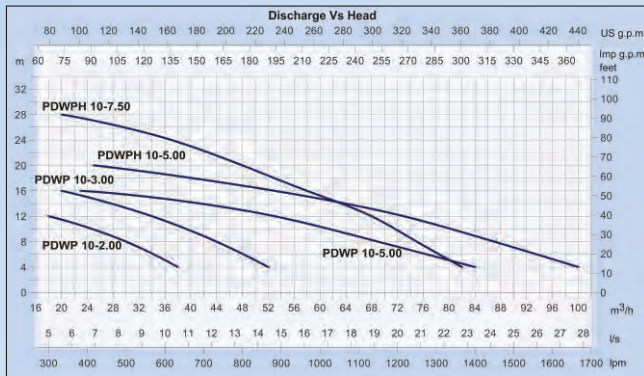
Part Name	Material
Pump Body	Cast Iron
Motor Body	Cast Iron
Hose Coupling	Cast Iron
Impeller	High Chrome alloy
Shaft	SS420
Double Mechanical seal	Silicon Carbide vs. Silicon Carbide
Bearing	Dual Ball Bearings

Performance

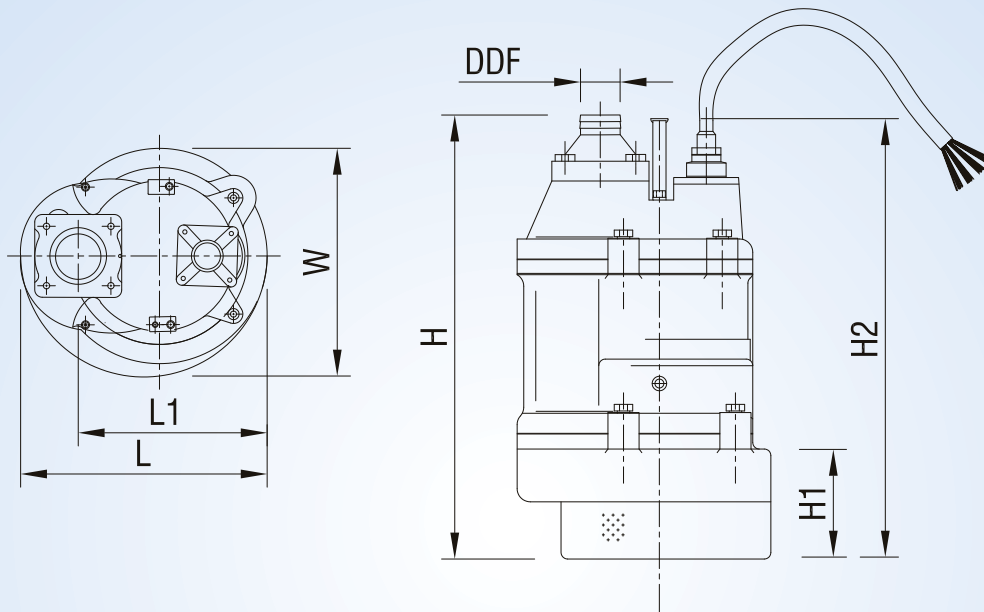
Three Phase, 3000 - RPM (Syn.), 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters								Impeller Passage (mm)
			kW	HP	4	8	12	16	20	24	28	32	
					Discharge in m ³ / hr								
1	PDWP 10-2.00	3"	1.50	2.00	38	30	18						10
2	PDWP 10-3.00	3"	2.20	3.00	52	44	34	20					10
3	PDWP 10-5.00	4"	3.70	5.00	84	69	53	23					10
4	PDWP 10-7.50	4"	5.50	7.50	100	87	73	53	25				10
5	PDWPH 10-5.00	3"	3.70	5.00	56	50	42	34	25	12			10
6	PDWPH 10-7.50	3"	5.50	7.50	82	75	68	58	48	37	20		10

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters								Impeller Passage (mm)	
			kW	HP	6	12	18	24	30	36	42	48		54
					Discharge in m ³ / hr									
1	PDWP 12-10.0	4"	7.50	10.0	82	78	69	58	40	17				12
2	PDWP 12-15.0	4"	11.0	15.0	80	77	74	69	60	45	21			12
3	PDWP 12-20.0	4"	15.0	20.0	85	83	81	79	75	70	58	38		12



Dimensions



S.No.	Product Name	DDF BSP	Dimensions (mm)						Nett Weight Kg
			L	L1	W	H	H1	H2	
1	PDWP 10-2.00	3"	235	173	216	517	120	486	34.5
2	PDWP 10-3.00	3"	235	173	216	517	120	486	36
3	PDWP 10-5.00	4"	283	208	252	642	150	638	61
4	PDWP 10-7.50	4"	306	218	259	686	150	598	78
5	PDWPH 10-5.00	3"	283	208	252	628	150	638	60
6	PDWPH 10-7.50	3"	306	218	259	671	150	598	77
7	PDWP 12-10.0	4"	330	240	314	764	190	676	105
8	PDWP 12-15.0	4"	373	255	350	807	190	695	130
9	PDWP 12-20.0	4"	373	255	350	842	190	755	142

Areas of Usage

- Civil & Construction sites
- Ponds & Water Storage areas
- Sump & Drainage

Applications

- Light / Heavy Duty De-watering Systems
- Mines, Quarries, Coal Ore & Slurries
- Sewage Treatment Plants
- Industrial waste water pumping

Submersible Slurry Pumps

Characteristics

- Silent 4 pole motor
- Rigid Cast Iron construction
- Extra Powered Submersible Slurry Agitator
- Designed to pump Sludge, Slurry & Liquids containing mud
- Semi-open Impeller with wear plate
- Insulation Class : F
- Protection Class : IP68



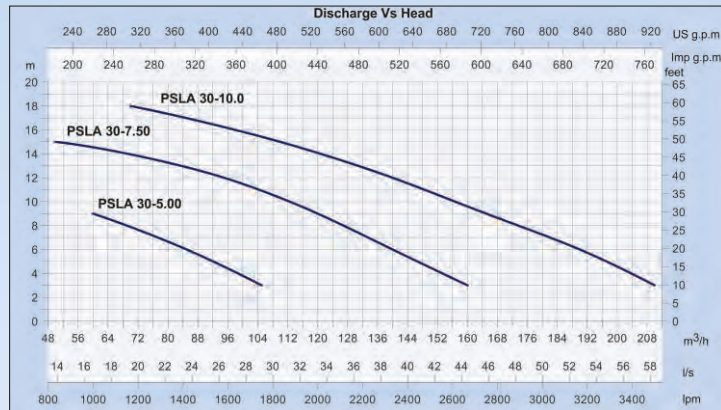
Material of Construction

Part Name	Material
Pump Body	Cast Iron
Motor Body	Cast Iron
Hose Coupling	Cast Iron
Impeller & Agitator	High Chrome alloy
Shaft	SS 420
Double Mechanical seal	Silicon Carbide vs. Silicon Carbide
Bearing	Dual Ball Bearings

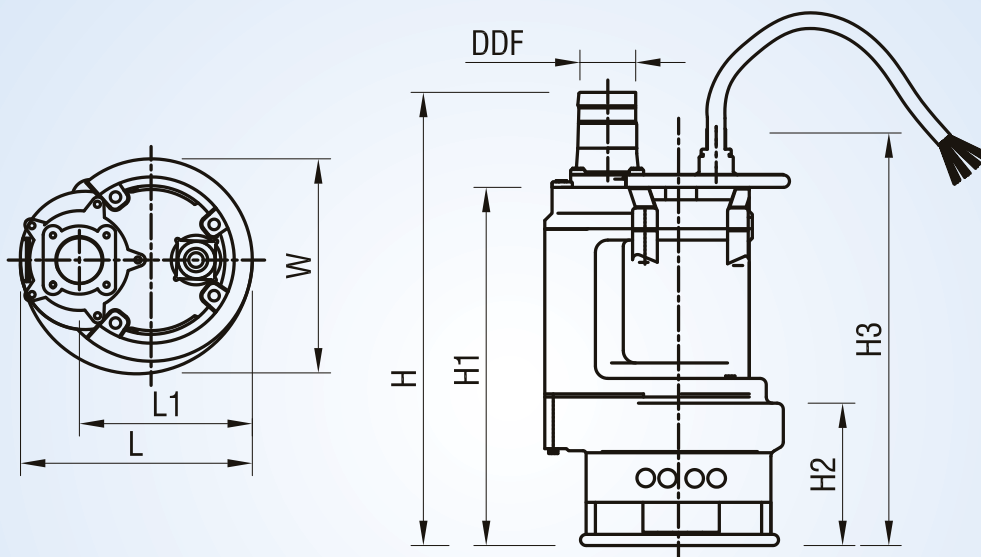
Performance

Three Phase, 1500 - RPM (Syn.), 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters							Impeller Passage (mm)
			kW	HP	3	6	9	12	15	18	21	
					Discharge in m³/ hr							
1	PSLA 30-5.00	3"	3.70	5.00	105	85	60					30
2	PSLA 30-7.50	4"	5.50	7.50	160	140	120	95	50			30
3	PSLA 30-10.0	6"	7.50	10.0	210	190	165	140	110	70		30



Dimensions



S.No.	Product Name	DDF BSP	Dimensions (mm)							Nett Weight Kg
			L	L1	W	H	H1	H2	H3	
1	PSLA 30-5.00	3"	350	260	326	816	666	250	730	105
2	PSLA 30-7.50	4"	415	305	373	844	688	250	730	145
3	PSLA 30-10.0	6"	434	324	407	889	709	250	776	170

Areas of Usage

- Civil & Construction sites
- Industries
- Mines & Quarries

Applications

- Light / Heavy Duty Slurry Pumping
- Pumping Sludge & Slurry in Mines, Quarries, Coal Ore etc.
- Industrial waste pumping

Save Water



Save Earth

We are a group of companies with social responsibilities

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