



Quality, Reliability, Life

Submersible Slurry Pump 60Hz



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Submersible Slurry Pump 60Hz

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Applications

- Civil engineering
- Mines, quarries, coal ore and slurries
- Sewage treatment
- General pumping purposes
- Pumping fluid :Sludge, liquids-containing mud and bentonite

Application Limits

- Liquid temperature : up to 40 °C
- Ambient temperature : up to 40 °C
- Max Operating Depth : up to 20m
- Liquid PH : 6.5 - 8.5

Installation and use

Submersible slurry pump with a 4-pole motor for an increased lifetime and greater convenience.

High chrome alloy impeller combined with agitator for pumping heavy slurry. Slim design with a top discharge enabling installation in smaller casing. For bentonite mixed water in foundation works or muddy water in civil engineering works.

Performance Range

- Capacity : Up to 370 m³/h
- Head : Up to 32 meters
- Discharge : 80mm (3") to 200mm (8")
- Speed :1750 RPM

Motor Details

- 4 Pole motor
- 100% Copper winding
- Protection class : IP68
- Insulation class : F
- Voltage : 380-420v, 60Hz
- Cable length : 8m

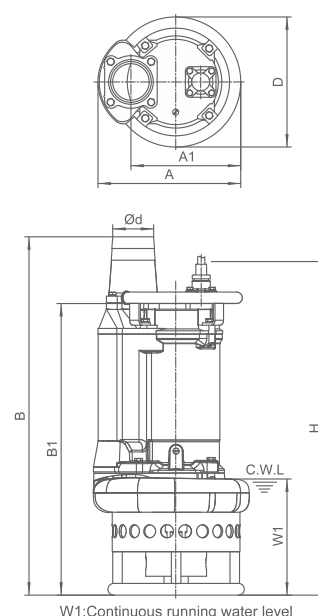
Selection chart

Model	Power		Voltage/ 60Hz	Starting Method	Rated speed (RPM)	Outlet (Inch)	Max. head (Mtr)	Max. Flow (m3/h)	Impeller Passage (mm)	Net weight (Kg)
	kW	HP								
PSSP4.0-3	4.0	5.5	380-420v	DOL	1750	3	15	100	30	108.5
PSSP7.5-4	5.5	7.5	380-420v	DOL	1750	4	17	144	30	141
PSSP11-6	11	15	380-420v	DOL	1750	6	21.5	192	30	171
PSSP15-8	15	20	380-420v	DOL	1750	8	22	370	30	260
PSSP22-8	22	30	380-420v	S/D	1750	8	32	360	30	408

Pump dimensions

Model	Dimensions in MM							
	d	A	A1	B	B1	D	H	W1
PSSP4.0-3	80	350	260	816	678	26	730	250
PSSP7.5-4	100	415	305	844	682	373	730	250
PSSP11-6	150	434	324	889	727	407	776	250
PSSP15-8	200	484	352	1121	889	457	980	295
PSSP22-8	200	578	442	1245	1015	528	1200	330

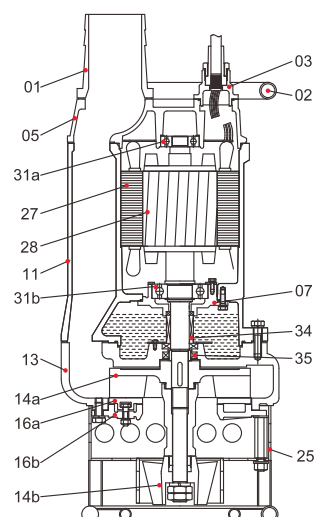
G.A Drawing



Material of Construction (MOC)

Item no.	Part name	Material	Item no.	Part name	Material
01	Outlet	Cast iron	25	Strainer	Carbon Steel
02	Handle	Carbon Steel	27	Stator	
05	Upper cover	Cast iron	28	Rotor	Shaft: AISI420SS
07	Bearing house	Cast iron	31a	Bearing	Ball bearing
11	Motor body	Cast iron	31b	Bearing	Ball bearing
13	Pump body	Cast iron	34	Mechanical seal	Sic-sic/sic-sic Tc-sic/sic-sic(>15kW)
14a	Impeller	High chrome alloy			
14b	Agitator	High chrome alloy	35	Oil seal	
16a	Inlet plate	High chrome alloy	47	Cable	
16b	Inlet plate	Cast iron			

Sectional View



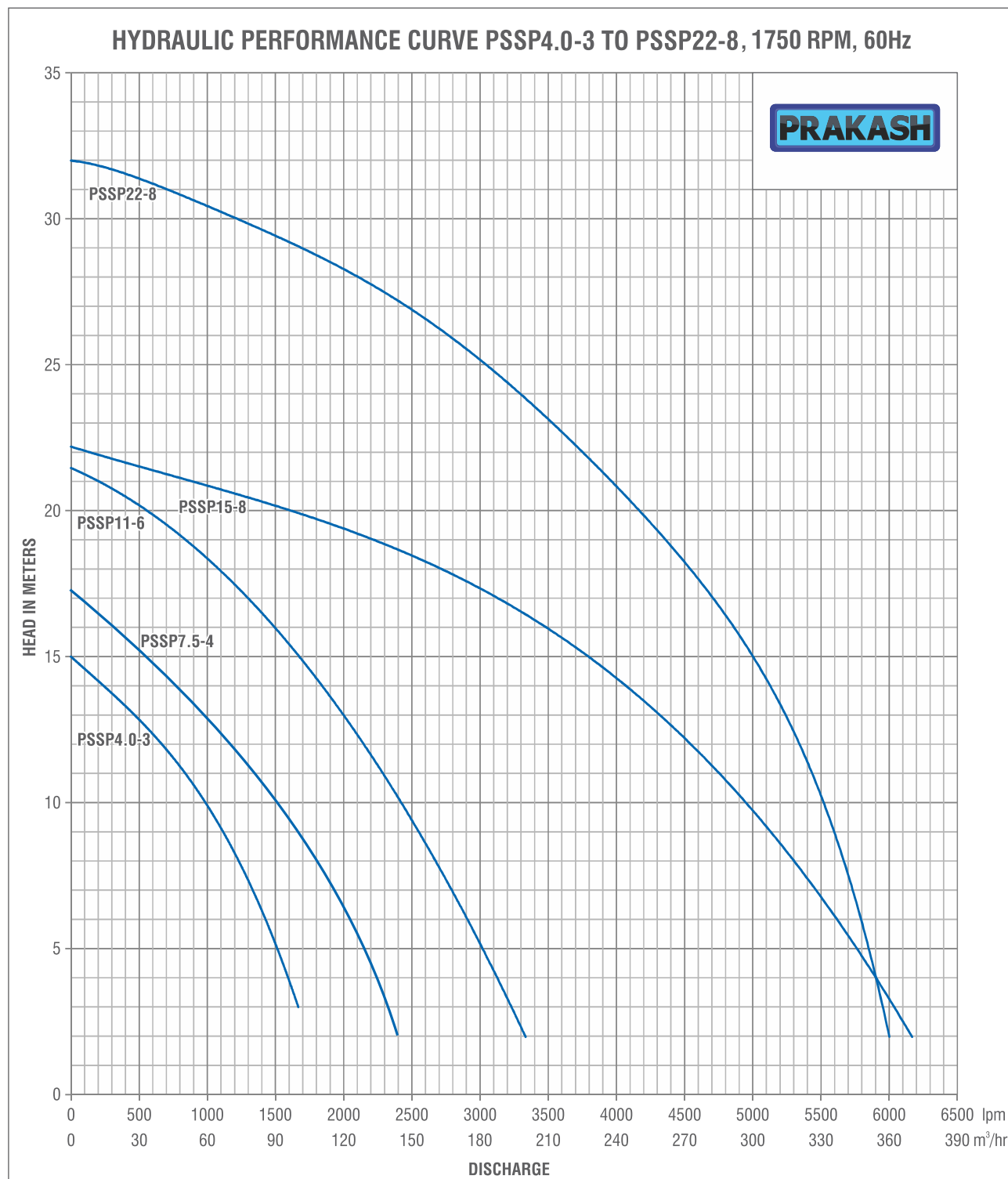
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Performance chart

1750 RPM

Model	Power		Q	US GPM	0	176	352	440	528	634	705	845	881	1057	1233	1409	1585	1629
	KW	HP		M³/H	0	40	80	100	120	144	160	192	200	240	280	320	360	370
				LPM	0	667	1334	1667	2000	2400	2667	3200	3334	4001	4668	5334	6001	6168
PSSP4.0-3	4.0	5.5	Head (m)	15	12	7	3											
PSSP7.5-4	7.5	10	Head (m)	17	15	11	9	6	2									
PSSP11-6	11	15	Head (m)	21.5	19.5	17	15	13	10	8	2							
PSSP15-8	15	20	Head (m)	22	21.5	20.5	20	19.5	18.5	18	17	16	14	12	8	3	2	
PSSP22-8	22	30	Head (m)	32	31	30	29	28	27	26.5	25	24	20.5	17.5	12	2		



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