



Quality, Reliability, Life

Solo Industrial Pump



www.prakashpump.com

Applications

- Civil, Agriculture
- Industrial or general plant use
- Hot & cold-water circulation
- Residential & commercial Chiller plant
- Spray or flowing irrigation
- Autoclave feed
- High pressure equipment system supporting
- Conditioning and any other general service requiring transfer of clean liquid

Application Limits

- Manometric Suction Lift Up to 8m
- Liquid Temperature between 10°C to 105°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 10 Bar

Performance Range

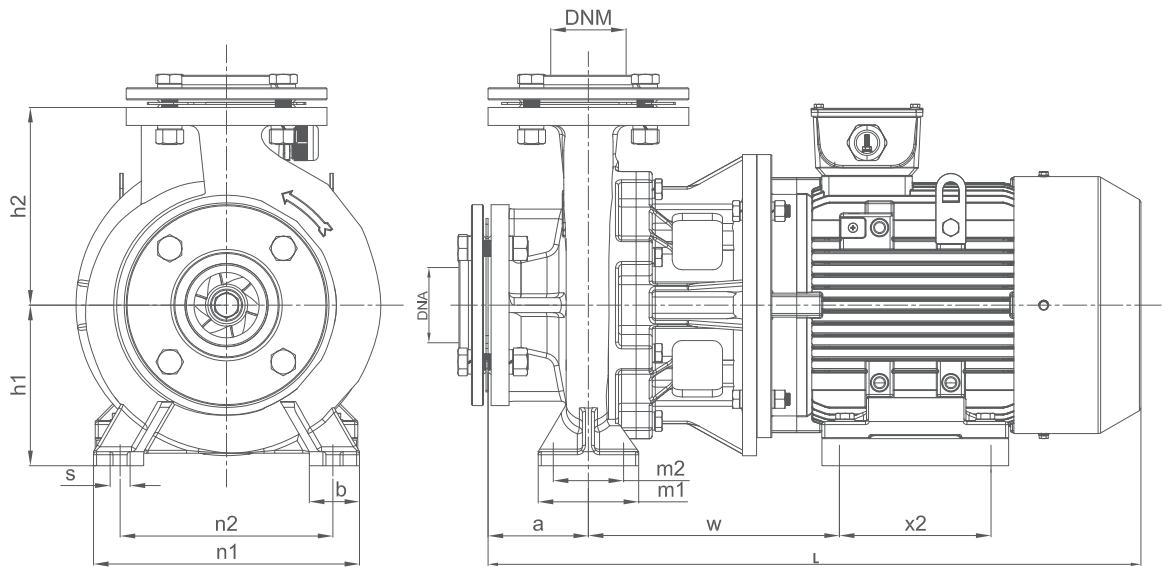
- Flow: Up to 1500 LPM
- Head: Up to 88m
- Speed 2900 RPM
- Power : 5.5Kw - 22Kw

Motor Details

- 2 Pole Induction motor
- Insulation Class-F
- Protection Class : IP44 & IP54
- Duty : S1
- Voltage : 380-420V, 50Hz

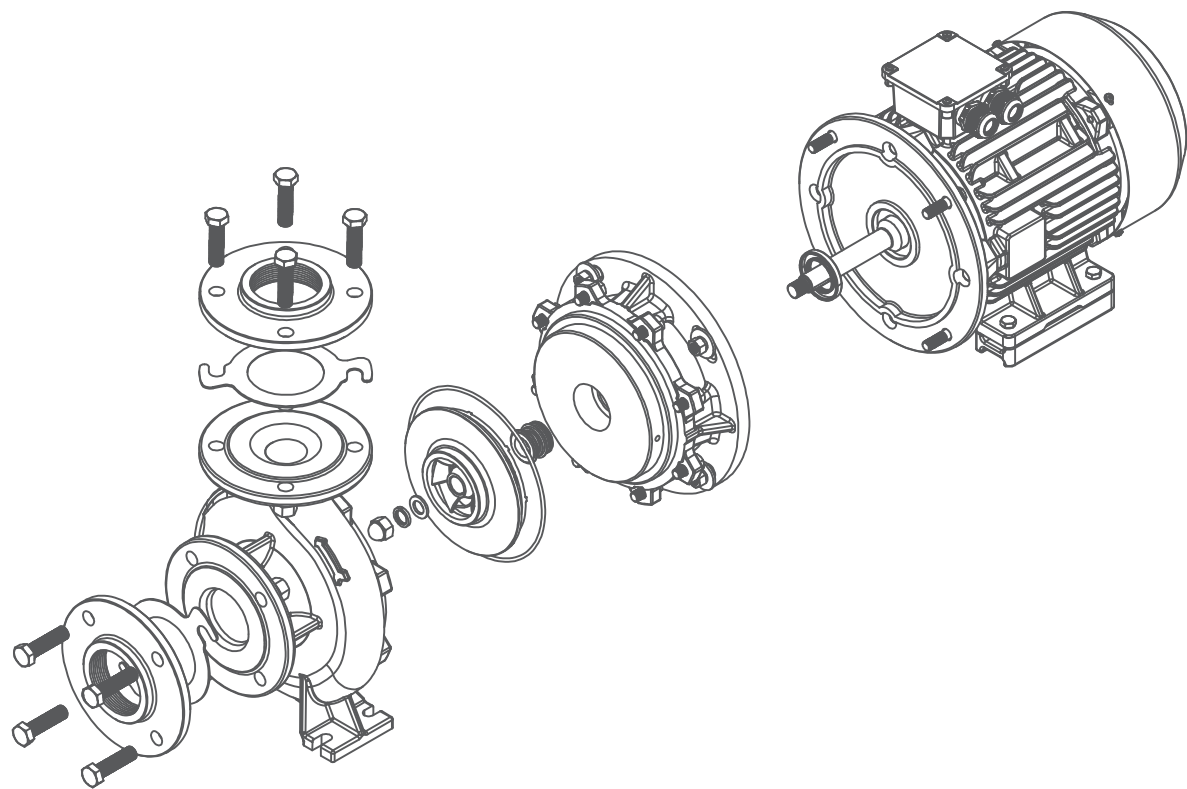
Installation and Use

These pumps are ideal for pumping clean water and other chemically and mechanically non-aggressive liquids. These system can be installed in any position, provide the inlet opening faces upwards, and, thanks to their Special design-which allows back pull out of the motor and the rotary parts of the pump and subsequent re-assembly without having to remove the pump Body and the pipes connected to it – can be easily and conveniently used for a wide variety of applications in civil, agricultural, industrial or general plant uses. Water supply, spray or flowing irrigation, autoclave feed, high pressure system heating, conditioning and any other service requiring transfer of clean liquids

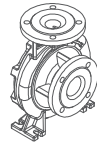
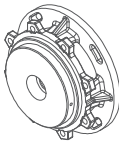


Model	Ports		Dimensions In MM											
	DNA	DNM	L	a	m1	m2	n1	n2	h1	h2	S	b	W	x2
PSPP-7.5	3"	3"	582	100	100	70	265	212	160	200	14	50	295	140
PSPP-10	3"	3"	582	100	100	70	265	212	160	200	14	50	295	140
PSPP-15	3"	3"	711	100	100	70	265	212	160	200	14	50	314	210
PSPP-20	3"	3"	711	100	100	70	265	212	160	200	14	50	314	210
PSPP-25	3"	3"	797	100	125	95	320	250	180	225	14	65	355	254
PSPP-30	3"	3"	824	100	125	95	320	250	180	225	14	65	368	241

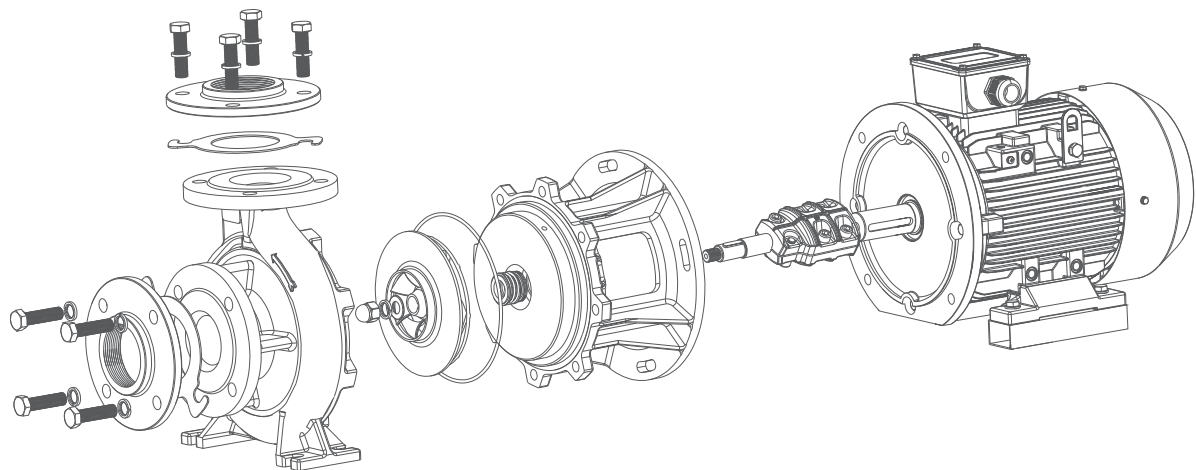
Exploded View
PSPP-7.5 TO PSPP-20



Material of the Components in Contact with the Liquid

Components		Pump Body (Volute Chamber)	Impeller	Mechanical Seal	O'Ring	Pump Bracket
						
Material	Standard	Cast Iron	Stainless Steel 304	Mg1-SIC Standard Mechanical Seal	High Nitrile Rubber	Combine Cast Iron
	Special Requirement	Stainless Steel +304/316	Stainless Steel 316	Mg1-SIC/TC Viton Mechanical Seal		

Exploded View
PSPP-25 & PSPP- 30



Material of the Components in Contact with the Liquid

Components		Pump Body (Volute Chamber)	Impeller	Muff coupling with shaft	Mechanical Seal	O’Ring	Pump Bracket
Material	Standard	Cast Iron	Stainless Steel 304	Stainless Steel 304 & S.G. Iron	Mg1-SiC Standard Mechanical Seal	High Nitrile Rubber	Combine Cast Iron
	Special Requirement	Stainless Steel +304/316	Stainless Steel 316	Stainless Steel 316 & S.G. Iron	Mg1-SiC/TC Viton Mechanical Seal		

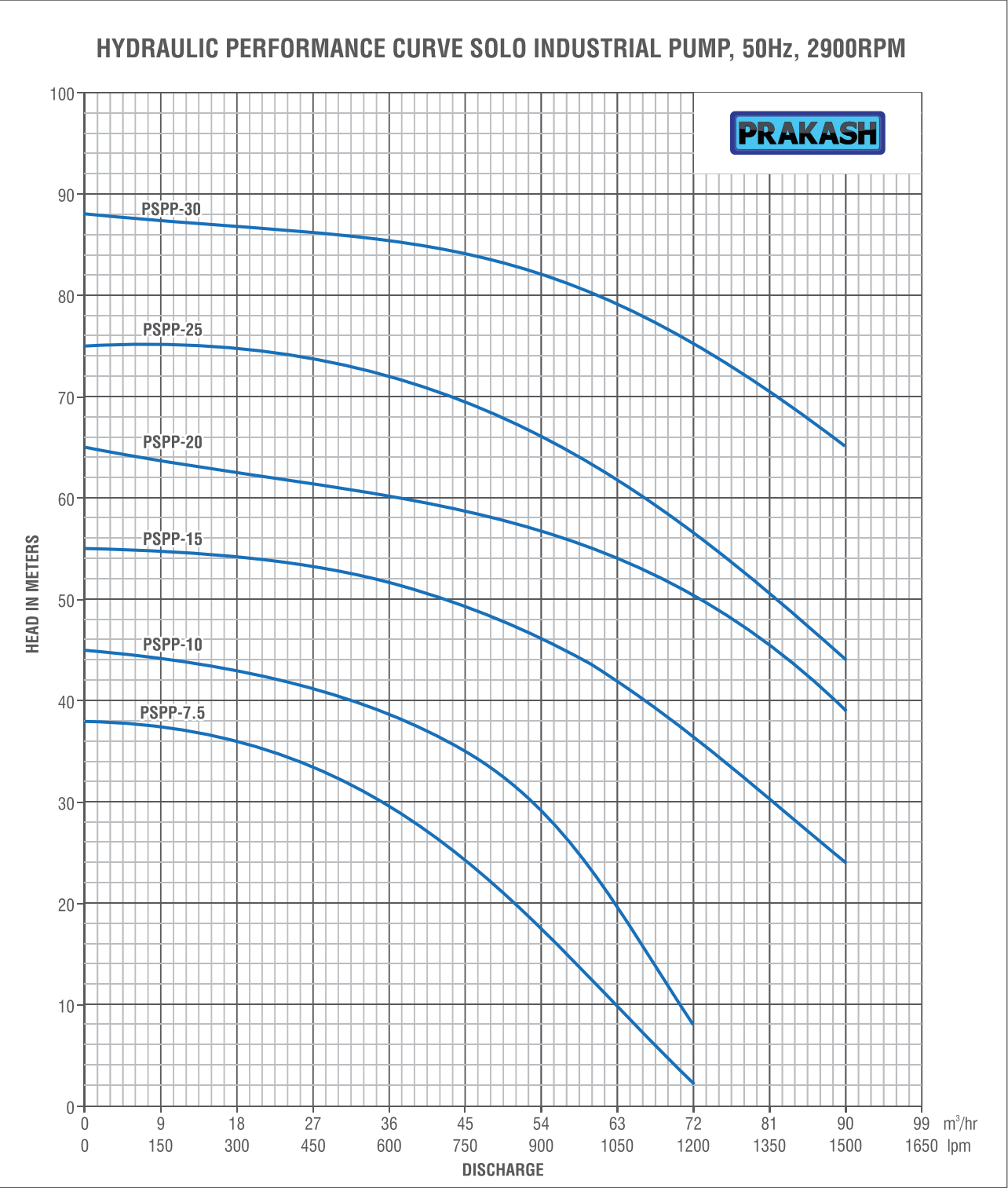
Pump Selection Chart

Model	Power		Phase	Inlet Outlet	Max. Flow (lpm)	Max. Head (m)	Max. Suction (m)	Net Weight (Kg)
	KW	HP						
PSPP-7.5	5.5	7.5	3	3" X 3"	1200	38	8	91
PSPP-10	7.5	10			1200	45		101
PSPP-15	11	15			1500	55		142.5
PSPP-20	15	20			1500	65		152.5
PSPP-25	18.5	25			1500	75		224.5
PSPP-30	22	30			1500	88		234.5



Hydraulic performance chart

MODEL	POWER		Q	US GPM	0	26	40	53	66	79	90	106	119	132	159	185	211	238	264	317	370	396
				M ³ /H	0	6	9	12	15	18	21	24	27	30	36	42	48	54	60	72	84	90
	KW	HP		LPM	0	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1500
PSPP-7.5	5.5	7.5	H Meters		38	37.5	37.5	37	36.5	36	35.5	35	34	33	30	24	22	17	12	2		
PSPP-10	7.5	10.0			45	44.5	44	43.5	43	42.5	42	41.5	41	40.5	39	36.6	33	29	23	8		
PSPP-15	11.0	15.0			55	54.5	54.5	54.5	54.5	54.5	54.5	54	53.5	53	52	50	48	46	43	36	28	24
PSPP-20	15.0	20.0			65	64.5	64	63.5	63	62.5	62	62	62	62	62	62	61	58.5	56	50	45	40
PSPP-25	18.5	25.0			75	75	75	74.5	74.5	74.5	74.5	74	73	72	71.5	71	69	65	61.5	55.5	50	45
PSPP-30	22.0	30.0			88	88	88	87.5	87	86.5	86.5	86	86	85	85	85	84.5	82.5	80	75	70	65





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