

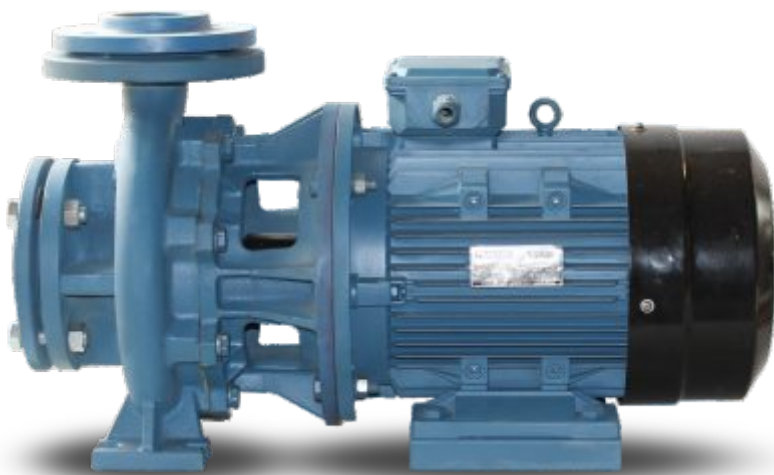


PRAKASH

Worldwide

Quality, Reliability, Life

SOLO POWER PUMP



Solo Power Pump

Applications

- Civil
- Agricultural
- Industrial or General Plant use.
- Water Supply
- Spray or flowing irrigation
- Autoclave feed
- High pressure system
- Heating
- Conditioning and any other general service requiring transfer of clean liquids.

Performance Range

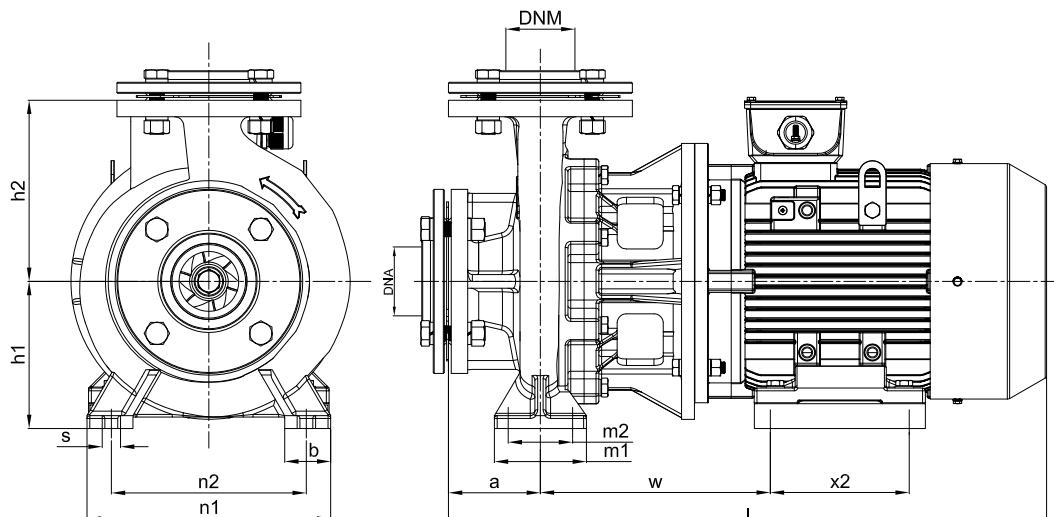
- Flow: Up to 1500 LPM
- Head: Up to 88m
- Speed 2900 RPM
- Power 2.2Kw – 22Kw.

Application Limits

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

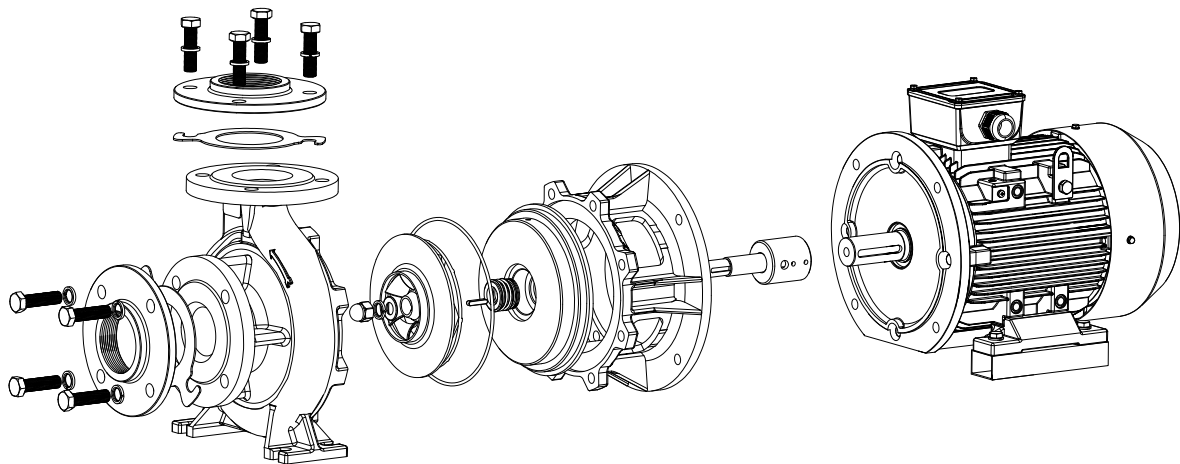
Installation and Use

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

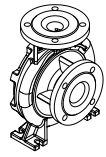


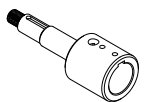
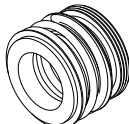

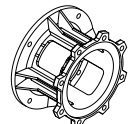


Model	Ports		Dimensions In MM												
	DNA	DNM	1	a	m1	m2	n1	n2	h1	h2	S	b	W	x2	d
PSPP-3	3"	3"	405	80	80	-	240	190	120	165	11	50	-	-	-
PSPP-5.5	3"	3"	501	80	100	70	240	190	132	160	14	50	238	170	13X4
P5PP-7.5	3"	3"	544	100	100	70	265	212	160	200	14	14	257	140	14X4
PSPP-10	3"	3"	544	100	100	70	265	212	160	200	14	50	257	140	14X4
PSPP-15	3"	3"	703	100	100	70	265	212	160	200	14	50	306	210	14X4
PSPP-20	3"	3"	703	100	100	70	265	212	160	200	14	50	306	210	14X4
PSPP-25	3"	3"	755	100	125	95	320	250	180	225	14	65	313	254	14X4
PSPP-30	3"	3"	782	100	125	95	320	250	180	225	14	65	326	241	14X4

Exploded View



Material of the Components In Contact with the Liquid

Components		Pump Body (Volute Chamber)	Impeller	Mechanical Seal Housing Cover	Pump Shaft	Mechanical Seal	O'Ring	Pump Bracket
								
Material	Standard	Cast Iron	Stainless Steel 410	Cast Iron	Stainless Steel 410	Mg1-SiC Standard Mechanical Seal	High Nitrile Rubber	Cast Iron
	Special Requirement	Stainless Steel + 304/316	Stainless Steel 304/316	Stainless Steel 304/316	Stainless Steel 304/316	Mg1-SiC/TC Viton Mechanical Seal		

Pump Selection Chart

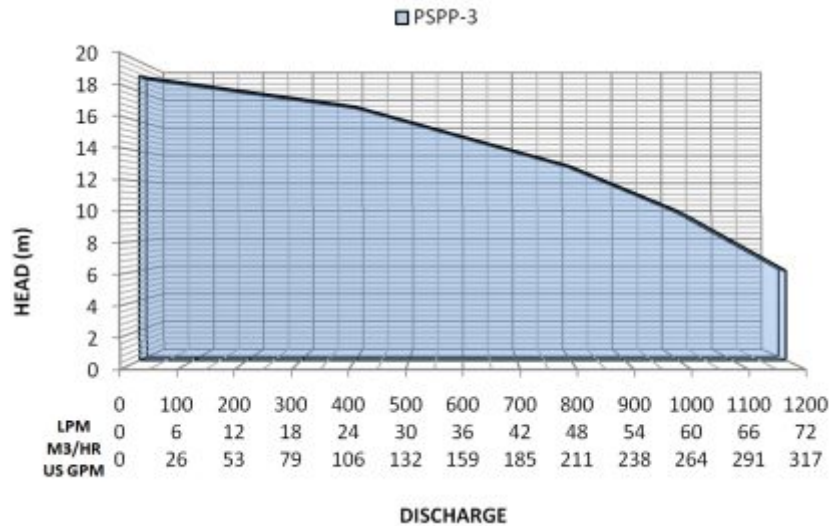
Model	Power		Phase	Inlet Outlet	Max. Flow (lpm)	Max. Head (m)	Max. Suction (m)
	KW	HP					
PSPP-3	2.2	3	3	3" X 3"	1300	19	8-10
PSPP-5.5	4	5.5			800	36	
PSPP-7.5	5.5	7.5			1300	38	
PSPP-10	7.5	10			1500	45	
PSPP-15	11	15			1500	55	
PSPP-20	15	20			1500	65	
PSPP-25	18.5	25			1500	75	
PSPP-30	22	30			1500	88	

Performance chart

RPM 2900

Model	Power		Q	M ³ /H	0	6	12	18	24	30	36	42	48	54	60	66	72
	KW	HP		LPM	0	100	200	300	400	500	600	700	800	900	1000	1100	1200
PSPP-3	2.2	3.0	H meters	19	18.5	18	17.5	17	16	15	14	13	11.5	10	8	6	

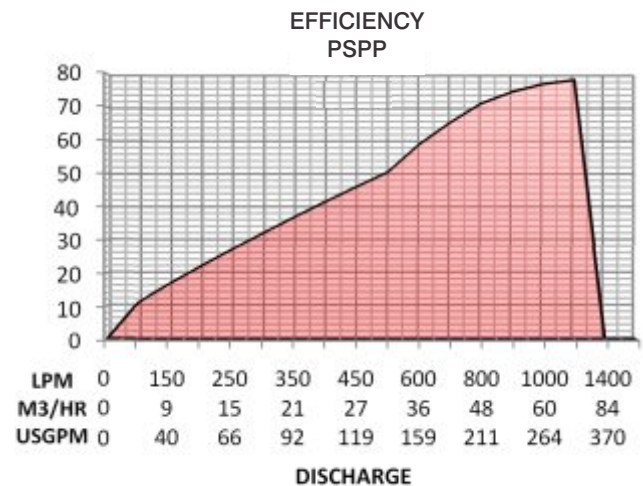
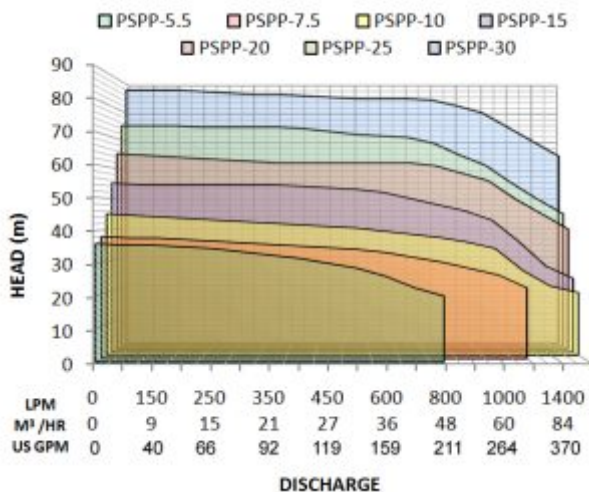
Hydraulic performance curve



Hydraulic performance chart

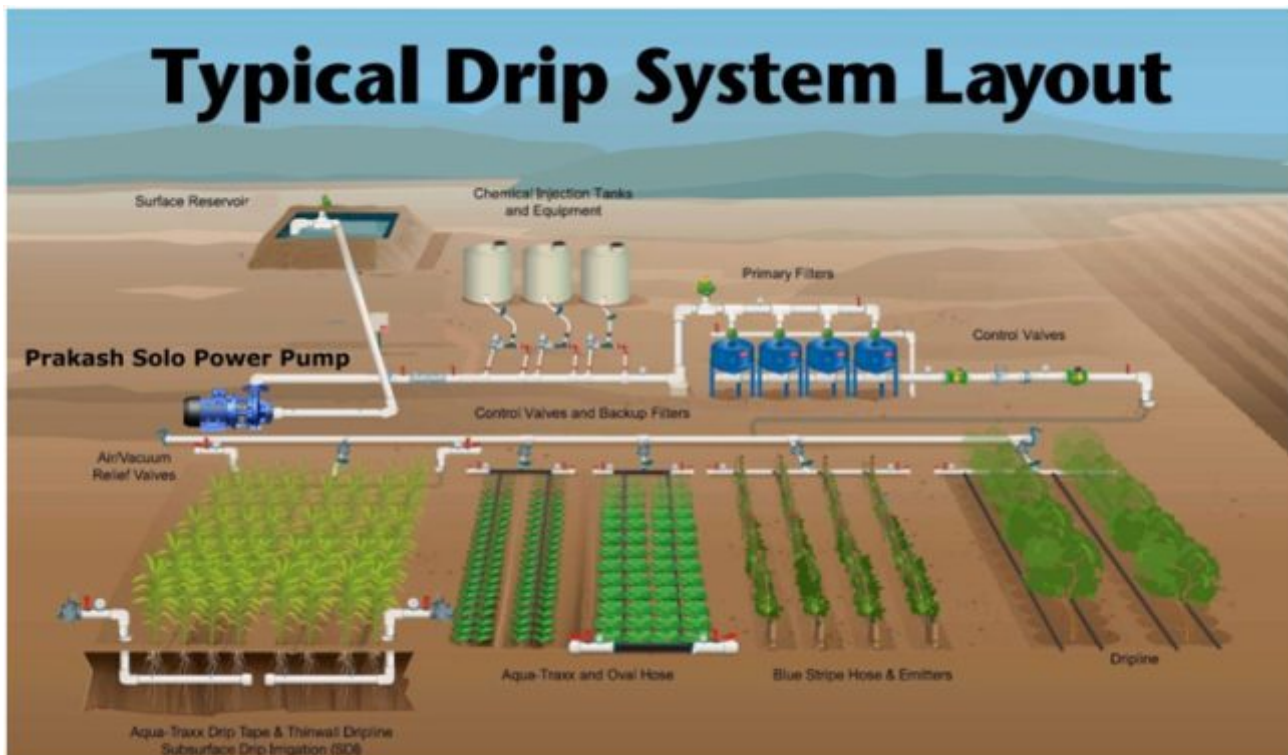
MODEL	POWER		Q	US GPM	0	26	40	53	66	79	90	106	119	132	159	185	211	238	264	317	370	396	
	KW	HP		M ³ /H	0	6	9	12	15	18	21	24	27	30	36	42	48	54	60	72	84	90	
PSPP-5.5	4.0	5.5	H Meters	LPM	0	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1500	
PSPP-7.5	5.5	7.5		36	35.5	35.5	35	34.5	33.5	32.5	31.5	30	28.5	26	22.5								
PSPP-10	7.5	10.0		38	37.5	37.5	37	36.5	36	35.5	35	34.5	34	33	31.5	30	28	26	22				
PSPP-15	11.0	15.0		45	44.5	44	43.5	43	42.5	42	41.5	41	40.5	39.5	38.5	37.5	36	34	27	22	20		
PSPP-20	15.0	20.0		55	54.5	54.5	54.5	54.5	54.5	54	53.5	53	52	50	48	46	43	36	28	24			
PSPP-25	18.5	25.0		65	64.5	64	63.5	63	62.5	62	62	62	62	62	62	61	58.5	56	50	45	40		
PSPP-30	22.0	30.0		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		
			88	88	88	87.5	87	86.5	86.5	86	86	85	85	85	84.5	82.5	80	75	70	65			

Hydraulic Performance Curve



What Pump Do I Need?

Application	Water transfer	PSPP-3, PSPP-5.5, PSPP-7.5, PSPP-10, PSPP-15, PSPP-20, PSPP-25, PSPP-30
	Irrigation	
	Household water supply	
	Other	
Water Source	Above ground tank	
	Underground tank	
	River	
	Dam	
	Other	
Power Supply	415 V Three phase	
Water Requirement	Household	
	House only	
	House and garden	
	Showers	
	Sprinklers	
	Evaporative air-conditioned connected	
	Irrigation	
	Sprinkler	
	Sprinkler	
	Automatic operation	
	Manual operation	
	Water Transfer	
	Lift water from Point A and discharge water to point B	





Worldwide

Prakash Pump

Naroda Road, Ahmedabad-380025. Gujarat, India

Phone : +919925249371 | Email:info@prakashpump.com | www.prakashpump.com

UAE : 00971 50 6731283 | 00971 37222733

Oman : 00968 95690021 | 00968 26883982



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