



PRAKASH

Worldwide

Quality, Reliability, Life



4" SUBMERSIBLE MOTOR-PUMP SET SINGLE PHASE

Submersible Motor-Pump Set Single Phase

Applications

- Ground water supply to waterworks
- Irrigation in horticulture and agriculture
- Ground water lowering
- Pressure boosting
- Water treatment
- Civil and industrial application
- Fire fighting application

Specifications

- Water temperature : up to 35°C
- Minimum internal diameter of well: 4" Ø100mm.
- Power : 1.1 to 5.5Kw
- Capacity : Up to 12m³ /h
- Head : Up to 202m
- Max. sand quality in to the water : 50g/m³
- PH: 6.5 – 8.0
- Power supply:
Single phase 230V ±10%, 50Hz
Three phase 400V ±10%, 50Hz

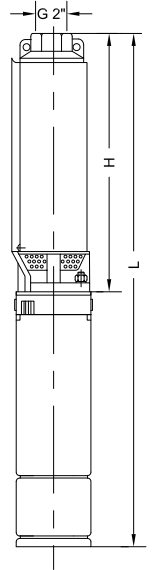
Feature and benefits

- Pump sizes for connecting to motor according to NEMA standards.
- Delivery Casing with built-in non return valve for stop coming back water.
- Manufactured from corrosion resistant materials for long life impellers, diffuser, and Delivery Casing are S.S.AISI-304.
- Specific impeller material selection ensures optimal performance in sandy bores.
- This type models feature independently floating centrifugal impellers to provide easy starting and long life-automatically adjusting to match pumping conditions for various application.
- High quality shaft bearings providing low friction and high wear resistance.
- Strong stainless steel drive shaft ensures positive impeller drive and longer life.
- Standard 2 pole speed motor (2850rpm) limits internal velocities for longer life.



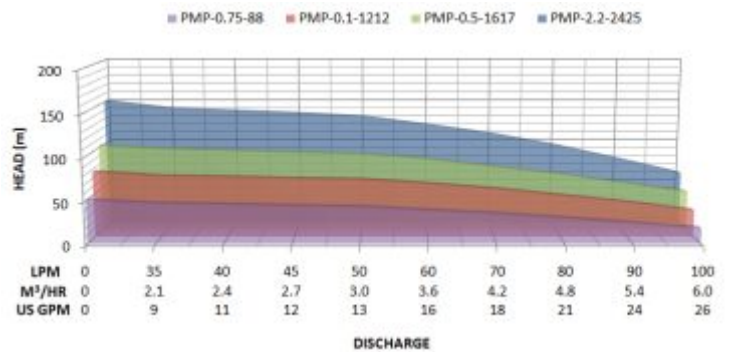
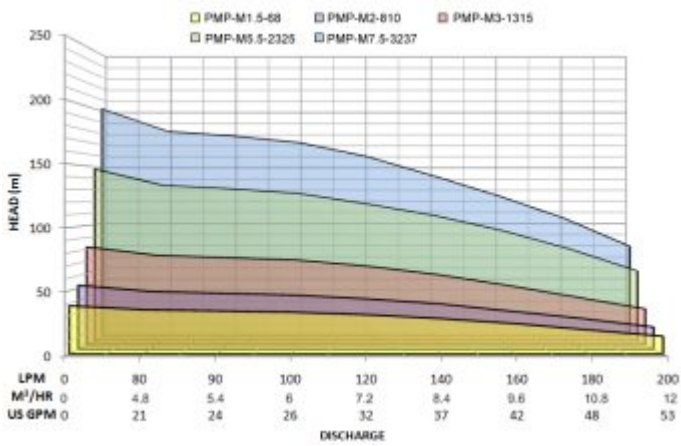
Motor Pump Set Selection Chart

Model	KW	HP	OUTLET INCH	H	L	NET WEIGHT (KG)		Q	US GPM									
						H	L		0	13	21	24	26	32	37	42	48	53
									M ³ /H	0	3	4.8	5.4	6	7.2	8.4	9.6	10.8
PMP-M1.5-68	1.1	1.5	2"	356	798	3.4	14.4	H Meters	0	13	21	24	26	32	37	42	48	53
PMP-M2-810	1.5	2		418	890	4	16.4		0	3	4.8	5.4	6	7.2	8.4	9.6	10.8	12
PMP-M3-1315	2.2	3		573	1090	5.5	20.3		0	50	80	90	100	120	140	160	180	200
PMP-M5.5-2325	4	5.5		921	1523	8.4	27.4		38	36	35	34	33	31	28	24	19	14
PMP-M7.5-3237	5.5	7.5		1238	1984	11	38.3		52	50	47	45.5	44	41	37	31	25	18
									82	78	75	73	71	66	59	50	40	30
									148	140	134	131	127	118	108	95	79	60
									202	190	182	178	172	160	143	125	105	80



Performance Table

Model	Stage	Power		H (mm)	Outlet Inch	US GPM										
		KW	HP			0	9	11	12	13	16	18	21	24	26	
						M ³ /H	0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
PMP-0.75-88	6	0.75	1	1068	1.25"/1.5"	0	9	11	12	13	16	18	21	24	26	
PMP-0.1-1212	8	1.1	1.5	1308		0	35	40	45	50	60	70	80	90	100	
PMP-0.5-1617	13	1.5	2	1556		H (m)	51	47	46	44	43	39	35	30	24	18
PMP-2.2-2425	23	2.2	3	2071		77	72	71	69	68	63	57	49	41	31	
						102	98	96	94	92	86	77	68	57	46	
						151	142	139	136	132	122	111	97	80	62	



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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