



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 $\pm$ 10%, 50Hz
Three phase 400V $\pm$ 10%, 50Hz

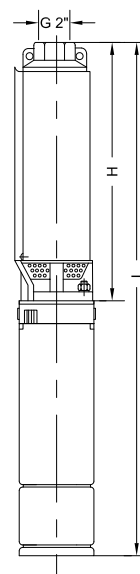
Feature and benefits

- 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.



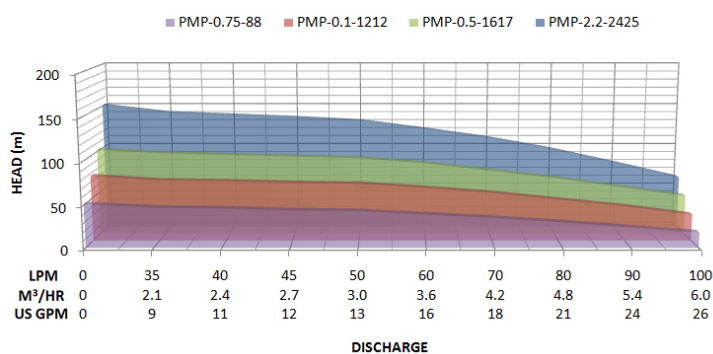
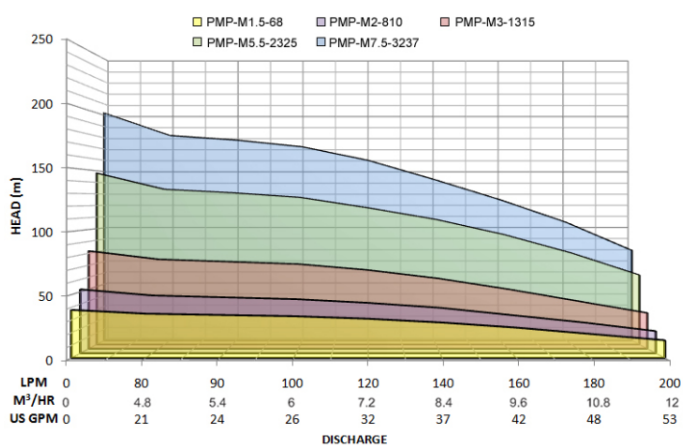
Motor Pump Set Selection Chart

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



Performance Table

					US GPM	0	9	11	12	13	16	18	21	24	26	
Model	Stage	Power		H (mm)	Outlet Inch	M³/H	0	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0
		KW	HP			LPM	0	35	40	45	50	60	70	80	90	100
PMP-0.75-88	6	0.75	1	1068	1.25"/1.5"	H (m)	51	47	46	44	43	39	35	30	24	18
PMP-0.1-1212	8	1.1	1.5	1308			77	72	71	69	68	63	57	49	41	31
PMP-0.5-1617	13	1.5	2	1556			102	98	96	94	92	86	77	68	57	46
PMP-2.2-2425	23	2.2	3	2071			151	142	139	136	132	122	111	97	80	62





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