



Quality, Reliability, Life

Submersible Motor Pumpset & Sand Fighter Pump



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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

Application Limits

- Water temperature : up to 45°C
- Minimum internal diameter of well: 4" ϕ 100mm.
- The solids in the water is less than 0.02% (heavy proportion)
- Liquid pH value : 6.5-8.0

Performance Range

- Flow: Up to 24 m³/hr
- Head: up to 375m
- Speed: 2900 rpm
- Power: 0.75 to 5.5Kw, 50Hz

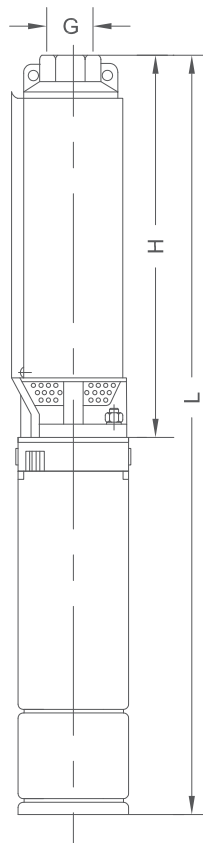
Motor Details

- 2 pole oil lubricated/ filling motor
- 100% Copper winding
- Insulation class: F
- Protection Class: IP68
- Single phase 230V \pm 10%, 50Hz (up to 3HP)
- Three phase 400V \pm 10%, 50Hz
- Speed 2900 rpm

Installation and use

- 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-PPO, diffuser -PC, 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 (2900rpm) limits internal velocities for longer life.
- Heavy duty stainless steel Inner and outer shell providing protection and accurate alignment of internal components.

G.A Drawing

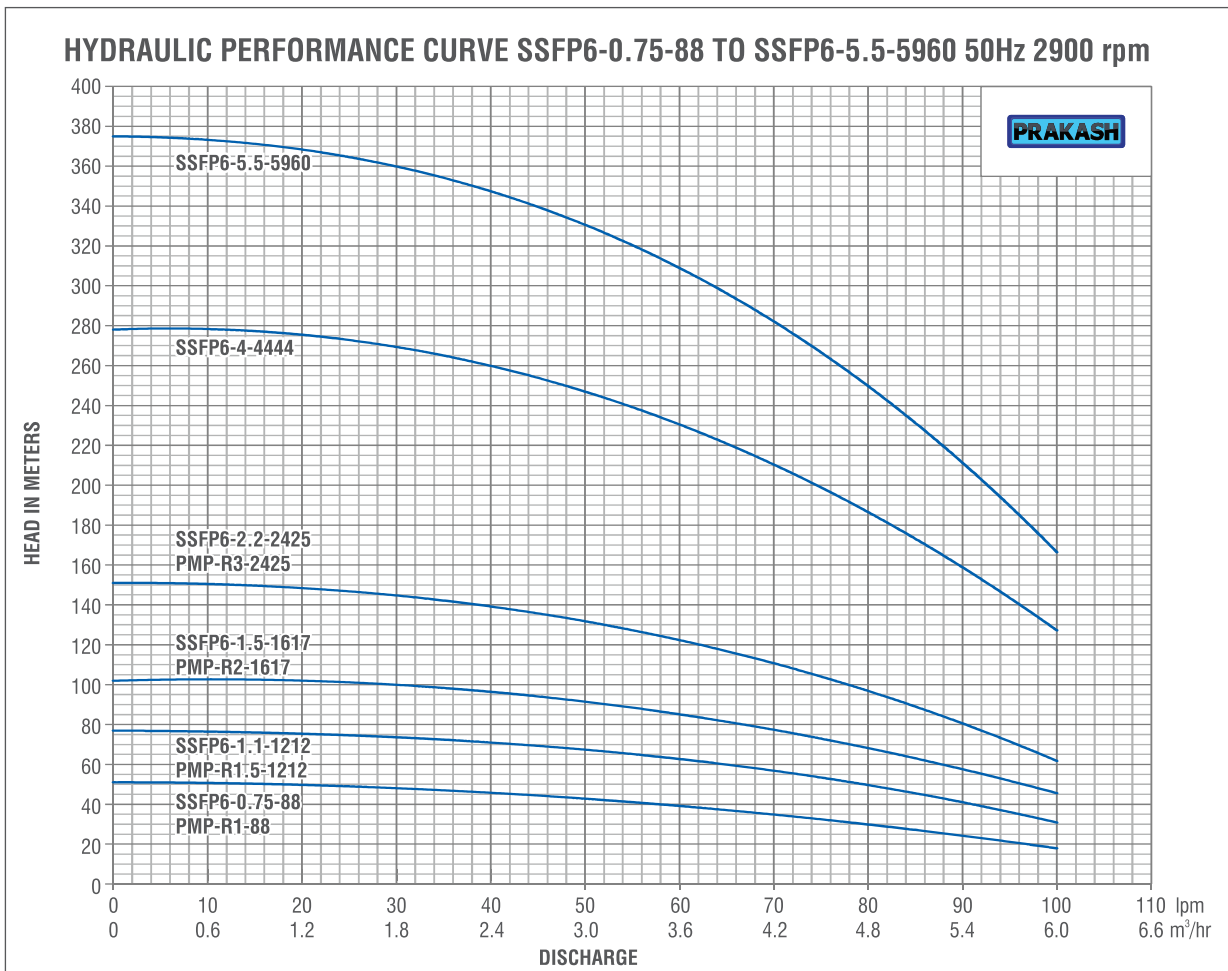


Pump performance table

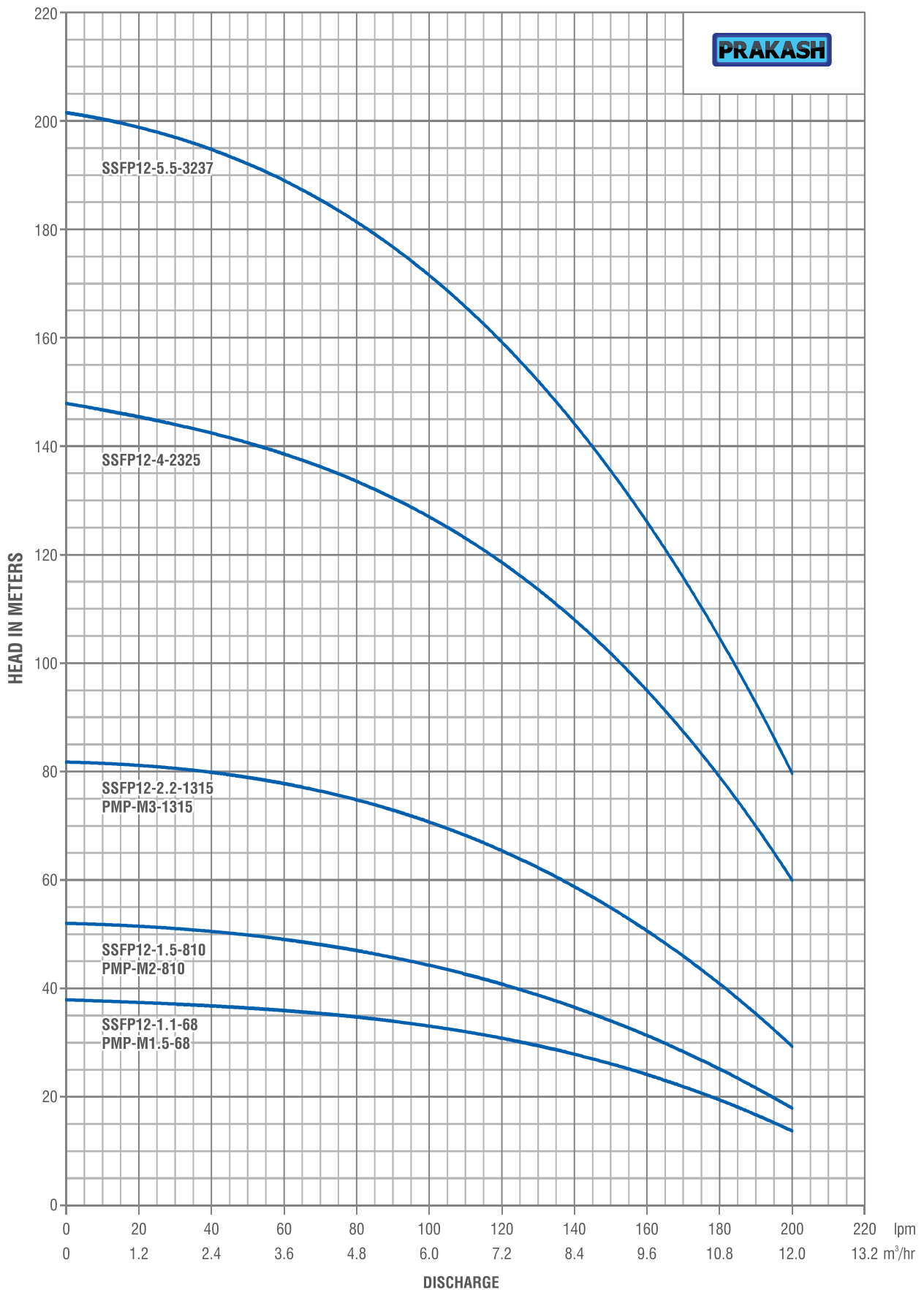
Pumpset Model	Bare Pump Model	Power		OUTLET (INCH)	Height		NET WEIGHT (Kg)		Q	US GPM													
		KW	HP		H (mm)	L (mm)	H	L		M ³ /H													
				LPM																			
PMP-R1-88	SSFP6-0.75-88	0.75	1	1¼"	367	745	3.1	12.1	Head (m)	51	47	46	44	43	39	35	30	24	18				
PMP-R1.5-1212	SSFP6-1.1-1212	1.1	1.5	1¼"	467	909	4.0	15.0	Head (m)	77	72	71	69	68	63	57	49	41	31				
PMP-R2-1617	SSFP6-1.5-1617	1.5	2	1¼"	567	1039	4.8	17.2	Head (m)	102	98	96	94	92	86	77	68	57	46				
PMP-R3-2425	SSFP6-2.2-2425	2.2	3	1½"	805	1322	6.7	21.5	Head (m)	151	142	139	136	132	122	111	97	80	62				
	SSFP6-4-4444	4.0	5.5	1½"	1305	1907	11.1	30.1	Head (m)	278	265	260	254	247	230	210	187	159	127				
	SSFP6-5.5-5960	5.5	7.5	1½"	1756	2502	14.7	42.0	Head (m)	375	354	347	340	330	310	282	250	210	167				

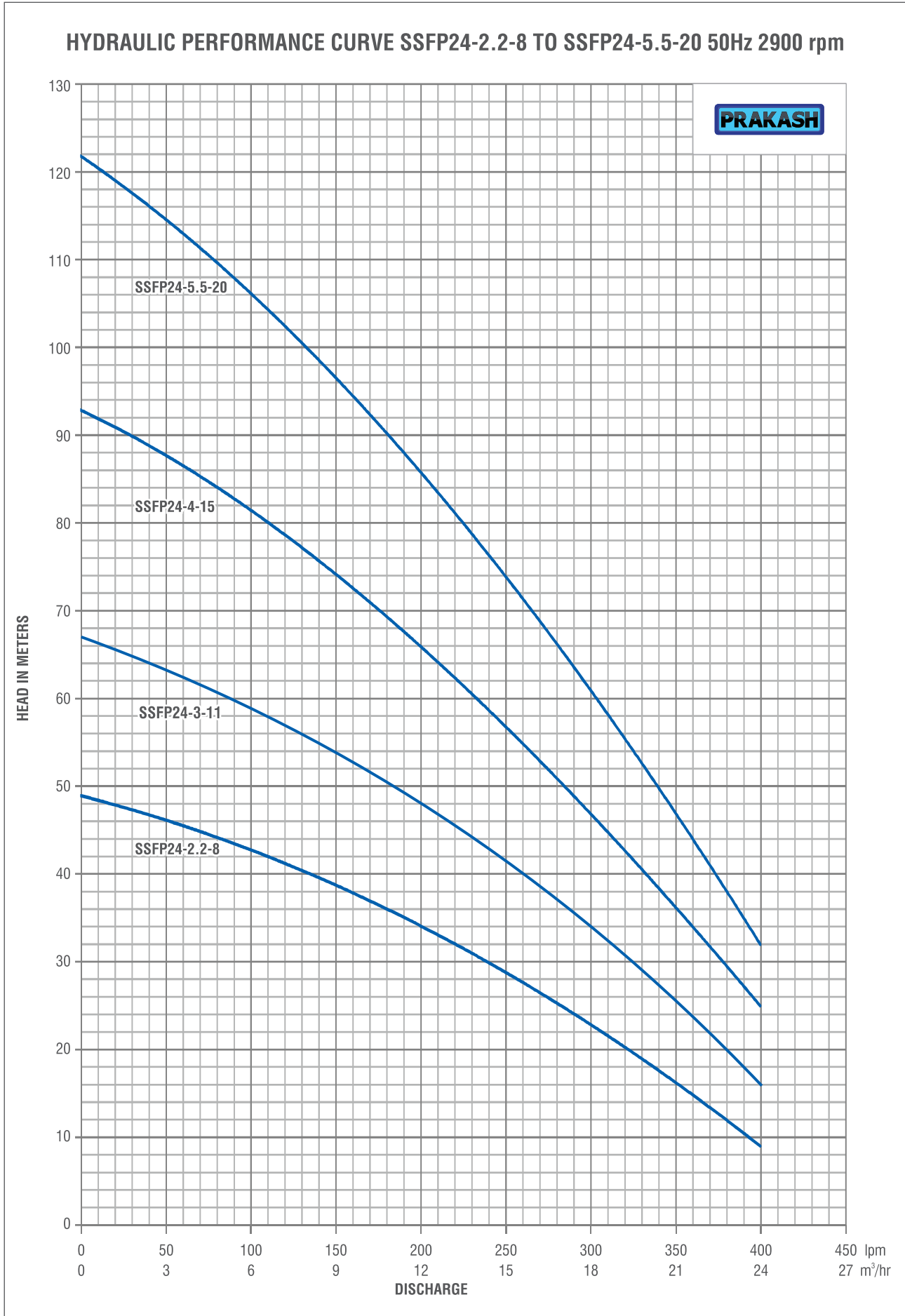
Pumpset Model	Bare Pump Model	Power		OUTLET (INCH)	Height		NET WEIGHT (Kg)		Q	US GPM													
		KW	HP		H (mm)	L (mm)	H	L		M ³ /H													
				LPM																			
PMP-M1.5-68	SSFP12-1.1-68	1.1	1.5	2"	364	806	3.2	14.2	Head (m)	38	36	35	34	33	31	28	24	19	14				
PMP-M2-810	SSFP12-1.5-810	1.5	2	2"	426	898	3.7	16.1	Head (m)	52	50	47	45.5	44	41	37	31	25	18				
PMP-M3-1315	SSFP12-2.2-1315	2.2	3	2"	581	1098	4.9	19.7	Head (m)	82	78	75	73	71	66	59	50	40	30				
	SSFP12-4-2325	4.0	5.5	2"	929	1531	7.7	26.7	Head (m)	148	140	134	131	127	118	108	95	79	60				
	SSFP12-5.5-3237	5.5	7.5	2"	1208	1954	10.3	37.6	Head (m)	202	190	182	178	172	160	143	125	105	80				

Bare Pump Model	Power		OUTLET (INCH)	Height		NET WEIGHT (Kg)		Q	US GPM													
	KW	HP		H (mm)	L (mm)	H	L		M ³ /H													
			LPM																			
SSFP24-2.2-8	2.2	3.0	2"	716	1195	5.3	21.4	Head (m)	49	38	34	32	30	28	23	20	15	9				
SSFP24-3-11	3.0	4.0	2"	880	1435	7.2	24.7	Head (m)	67	53	48	45	42	39	33	30	23	16				
SSFP24-4-15	4.0	5.5	2"	1189	1753	8.8	29.6	Head (m)	93	73	66	62	59	55	47	43	34	25				
SSFP24-5.5-20	5.5	7.5	2"	1565	2273	11.9	41.7	Head (m)	122	95	86	81	76	72	61	56	44	32				



HYDRAULIC PERFORMANCE CURVE SSFP12-1.1-68 TO SSFP12-5.5-3237 50Hz 2900 rpm





PRAKASH

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PRAKASHPUMPEST

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