



Quality, Reliability, Life

5" Openwell Submersible Pump SS304 60Hz



www.prakashpump.com

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PRAKASH

Applications

- For water supply from open wells, tanks or reservoirs.
- For domestic use, Civil and industrial applications.
- For garden and irrigation, Utilization of rain water

Application Limits

- Liquid temperature : up to 40 °C
- Ambient temperature : up to 40 °C
- Minimum diameter of well : Ø132 mm
- Maximum Operating depth : up to 20 m
- With extra suction cover for more safety
- Liquid PH : 6-8

Performance Range

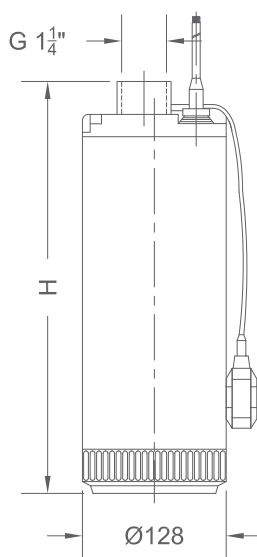
- Flow: Up to 133 LPM
- Head: Up to 80m
- Speed : 3450 RPM
- Power : 0.75 kW to 1.5 kW

Motor Details

- 2 Pole motor
- 100% Copper winding
- Protection class : IP X8
- Insulation class : F
- Voltage : 220-240v, 60Hz
- Float switch : built-in

Function and feature

- Single phase with built-in capacitor and thermal protector on control box required Three phase with built-in thermal protector
- Hermetically sealed motor equip build-in thermal protection. The protector in the motor can automatically cut off the power when it overheats or over current.
- Close coupled multi-stage submersible pump in chrome –nickel stainless steel.
- Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed.
- Double shaft seal with interposed oil chamber
- The suction strainer prevents the entrance of solids with diameter bigger than 2 mm.

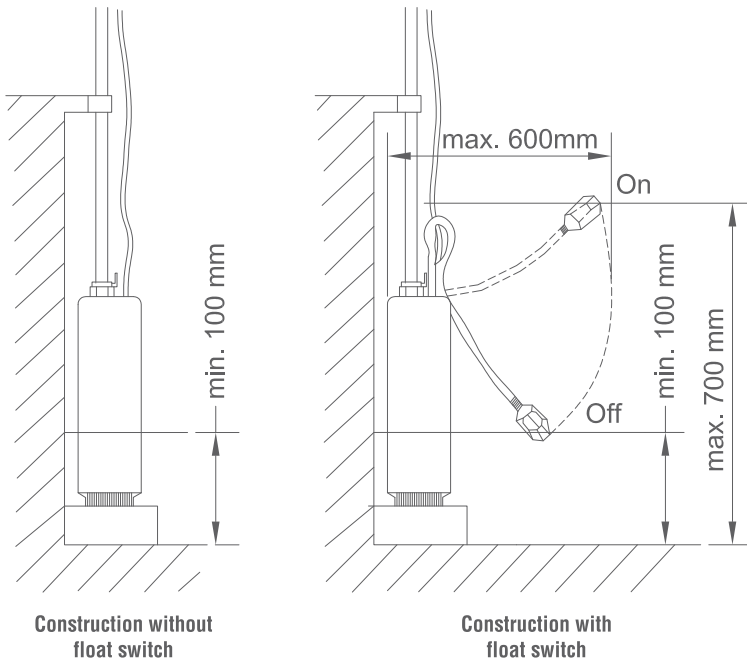


PERFORMANCE CHART

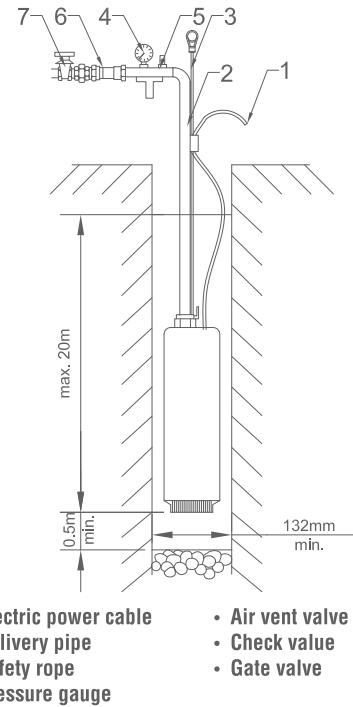
Model	Power		Outlet Inch	H (MM)	N.W (Kg)	Cable (mtr)	Max Flow (LPM)	Q	US GPM	0	4.4	6.6	8.8	13.2	15.4	19.8	22
	KW	HP							M³/H	0	1	1.5	2	3	3.5	4.5	5
									LPM	0	17	25	33	50	58	75	83.2
P203	0.75	1.0	1¼"	525	14.7	15	83.2	Head (m)	48	45	42	39	33	29	20	15	
P205	1.1	1.5	1¼"	615	16.4	20	83.2	Head (m)	80	75	71	67	57	50	33	24	

Model	Power		Outlet Inch	H (MM)	N.W (Kg)	Cable (mtr)	Max Flow (LPM)	Q	US GPM	0	11.0	15.4	19.8	22.0	26.4	30.8	35.2
	KW	HP							M³/H	0	2.5	3.5	4.5	5	6	7	8
									LPM	0	42	58	75	83	100	117	133
P403	1.1	1.5	1¼"	615	17.2	20	133	Head (m)	49	45	42	40	38	34	29	23	
P405	1.5	2.0	2"	645	21.3	25	133	Head (m)	80	73	69	64.5	62	54.5	47	37	

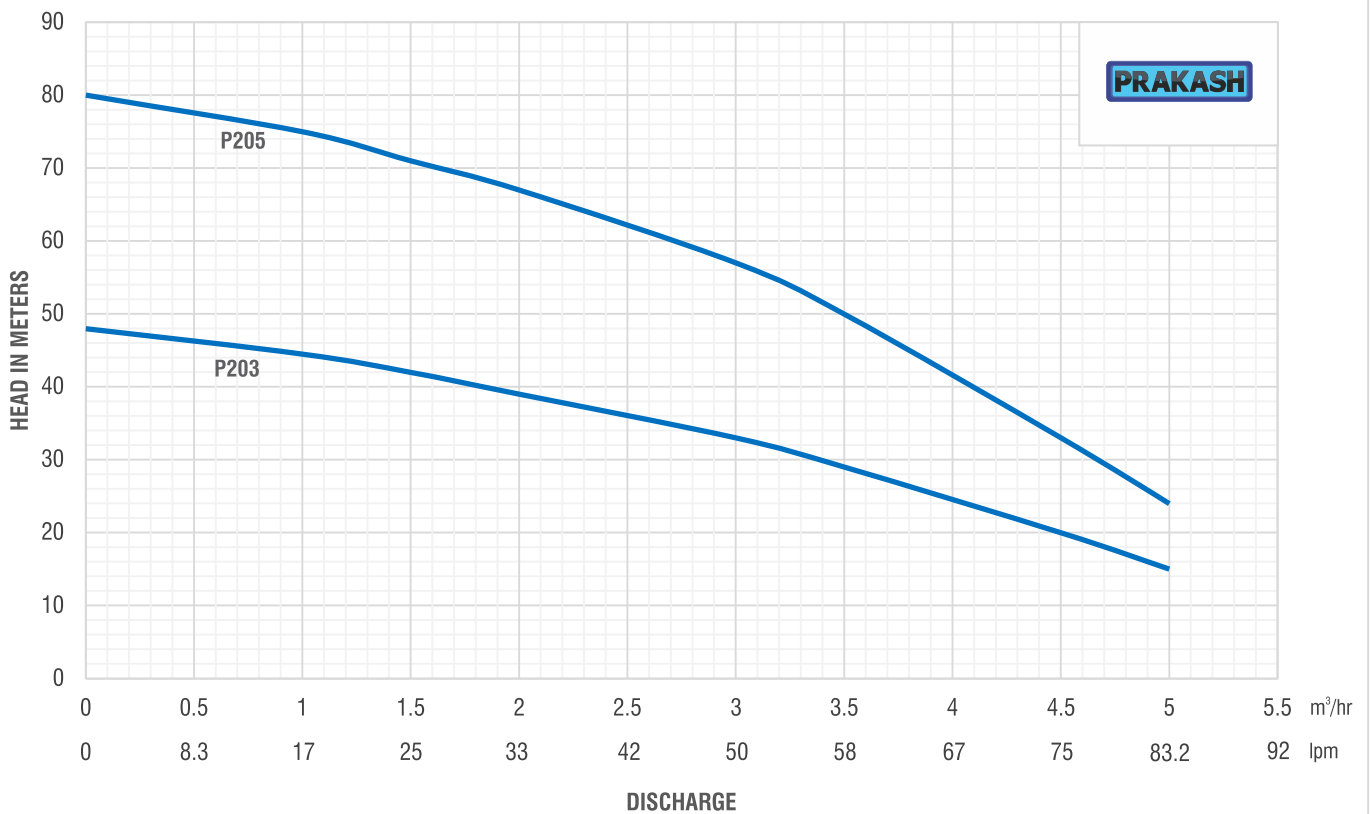
Pump in the Resting Position



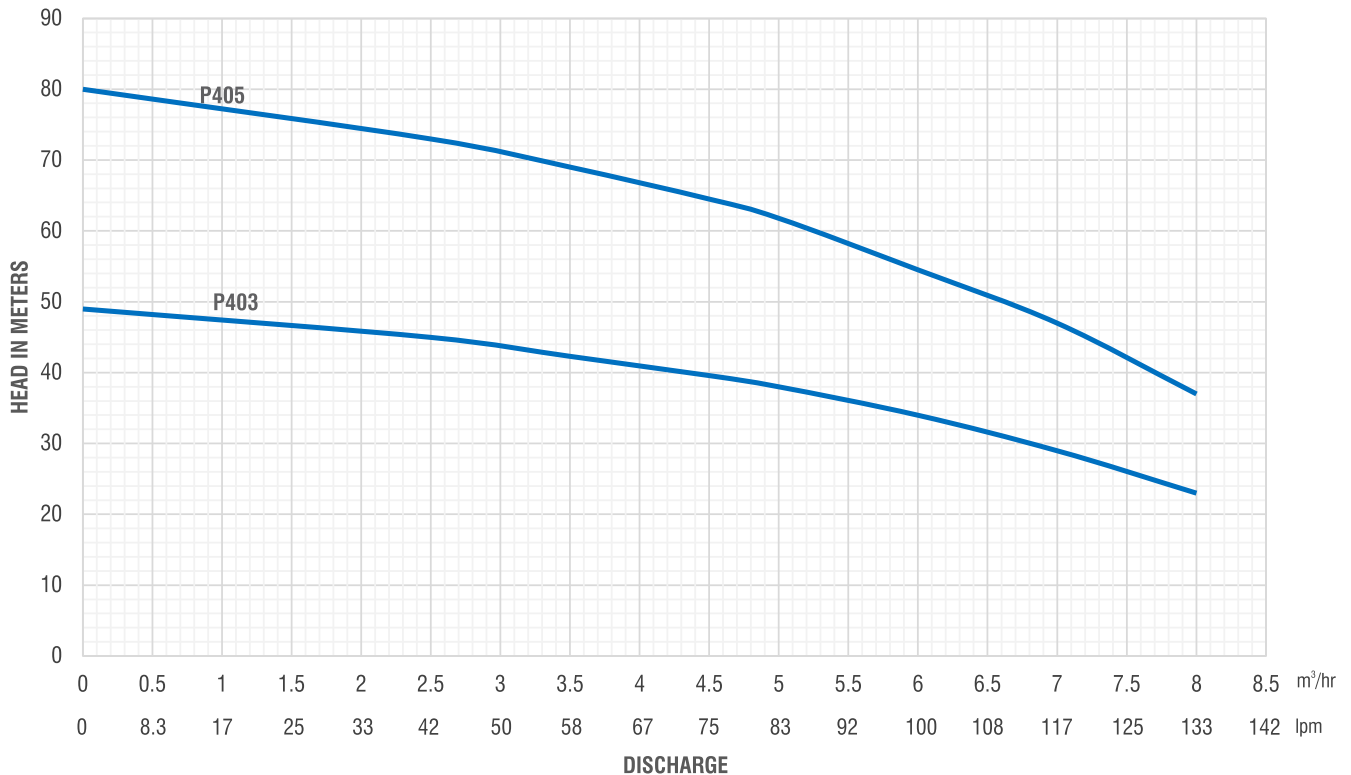
Pump in the Suspended Position



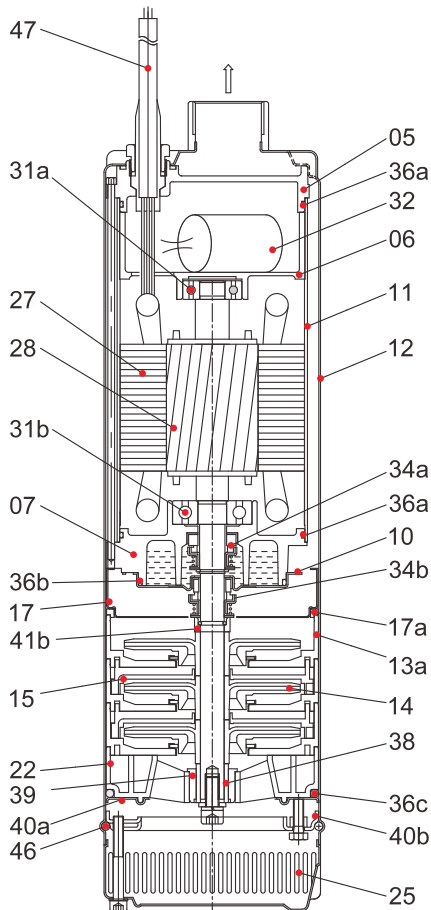
HYDRAULIC PERFORMANCE CURVE P203 & P205, 3450RPM, 60Hz



HYDRAULIC PERFORMANCE CURVE P403 & P405, 3450RPM, 60Hz



Sectional View & Material of Construction (MOC)



ITEM NO.	PART NAME	MATERIAL
05#	Upper cover	Cast-iron
6	Up-Bearing House	Aluminum die casting
07#	Bearing house	Cast iron
10	Seal bracket	AISI304 SS
11	Motor casing	AISI304 SS
12	Outer casing	AISI304 SS
13a	Pump casing	AISI304 SS
14#	Impeller	PPO/SS
15#	Diffuser	PPO/SS
17	Suction interconnector	AISI304 SS
17a	Coupling ring	PPO
22	Seat assembly	PPO
25	Stainer	AISI304 SS
27	Stator	
28	Rotor	
31a, b	Bearing	
32	Capacitor	
34a	Mechanical seal	Carbon-ceramic
34b	Mechanical seal	Sic-sic
36a,b,c	O-ring	NBR
38	Shaft sleeve	AISI304 SS
39	Bush bearing	PU
40a	Sealing plate	AISI304 SS
40b	Locking plate	AISI304 SS
41b	Pressing block	AISI304 SS
46	Circlips	AISI304 SS
47	Cable	PVC copper (H07RN-F)

#optional: Cast-cu AISI304 SS

PRAKASH

Office in India

PRAKASH PUMP

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To get
Quotation by email



PRAKASHPUMPEST

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