



Quality, Reliability, Life

8" Openwell Submersible Pump 60Hz



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8" Openwell Submersible Pump 60Hz

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Applications

- For mining, building, factory and industrial applications.
- For water supply from wells, tanks or reservoirs.
- For garden use and agricultural irrigation.

Performance Range

- Capacity: up to 45 m³/hr
- Head: up to 96 meter
- Speed : 3450 RPM
- Power : 4.0 kW to 11 kW

Application Limits

- Liquid temperature : up to 40 °C
- Ambient temperature : up to 40 °C
- Minimum diameter of well : Ø200 mm
- Maximum Operating depth : up to 20 m
- Liquid PH : 6-8

Motor details

- 2 Pole motor
- 100% Copper winding
- Protection class : IP68
- Insulation class : F
- Voltage : 380-420v, 60Hz

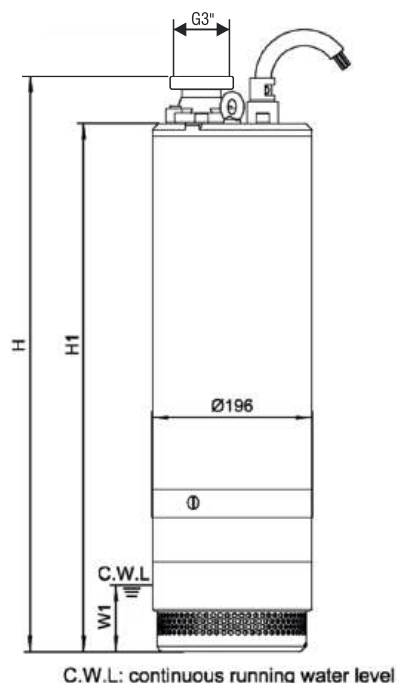
Feature and Benefits

- Hydraulic part under the motor and motor cooled by the pumped water for safe operation also with the pump only partially immersed.
- Electric motor cooled by pumped liquid for long life.

Pump selection chart

Model	Power		Voltage /60Hz	Rated Speed (RPM)	Outlet	Max. flow (m3/h)	Max. head (m)	Net weight (Kg)
	Kw	HP						
PQXNSP-5.5	4.0	5.5	380-420v	3450	G3" (80mm)	36	53	63.3
PQXNSP-7.5	5.5	7.5	380-420v	3450	G3" (80mm)	36	59	71.5
PQXNSP-10	7.5	10	380-420v	3450	G3" (80mm)	45	76	90
PQXNSP-15	11	15	380-420v	3450	G3" (80mm)	45	96	97.5

G.A Drawing



Dimension (mm)

Model	H	H1	W1	Outlet (inch)
PQXNSP-5.5	673	588	80	G3"
PQXNSP-7.5	718	633	80	G3"
PQXNSP-10	855	770	80	G3"
PQXNSP-15	885	800	80	G3"

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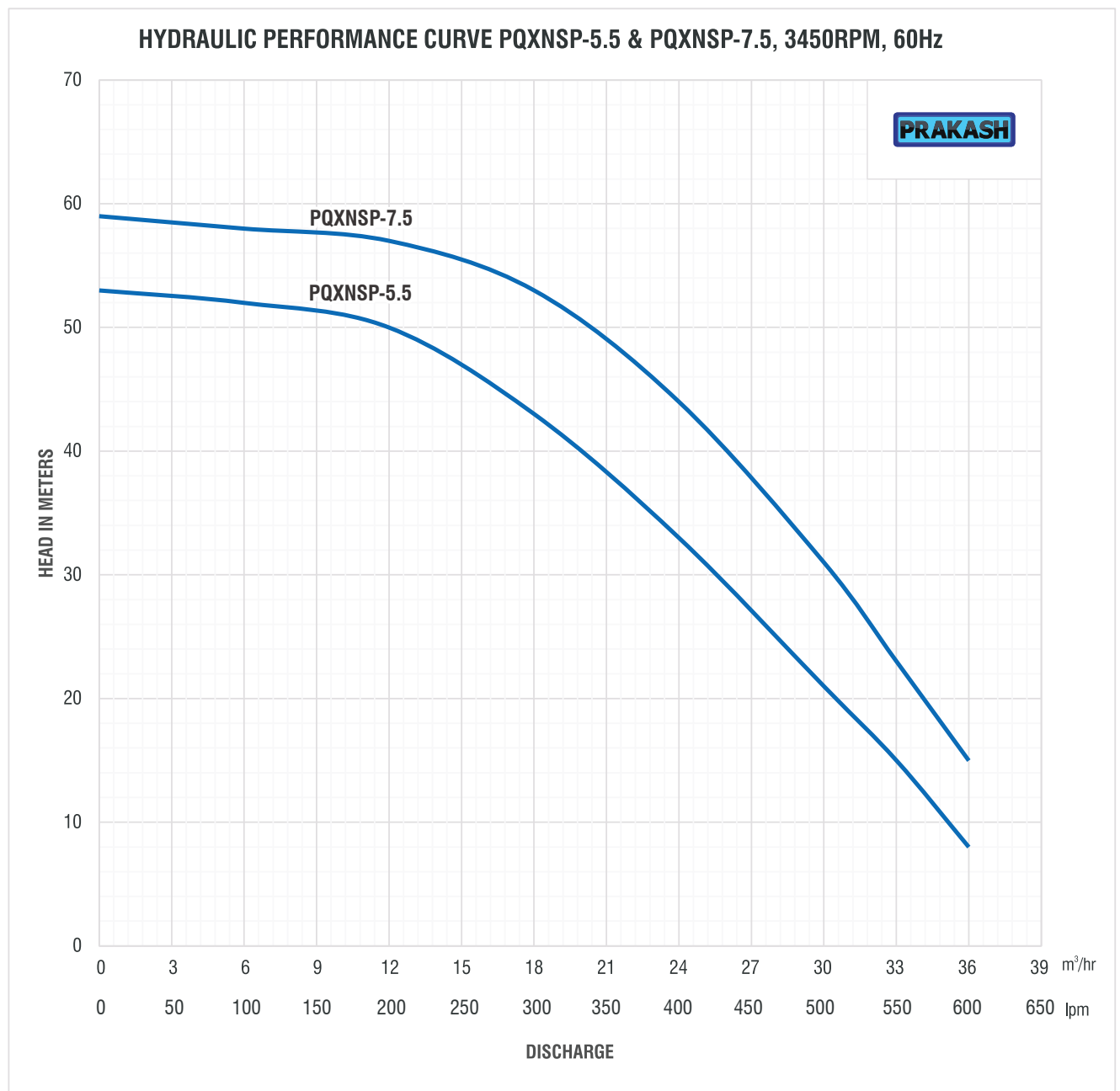


Performance Table

Model	Power		Q	US GPM	0	26	53	79	106	132	145	159
	Kw	HP		M3/H	0	6	12	18	24	30	33	36
				LPM	0	100	200	300	400	500	550	600
PQXNSP-5.5	4.0	5.5	Head (m)		53	52	50	43	33	21	15	8
PQXNSP-7.5	5.5	7.5	Head (m)		59	58	57	53	44	31	23	15

Performance Table

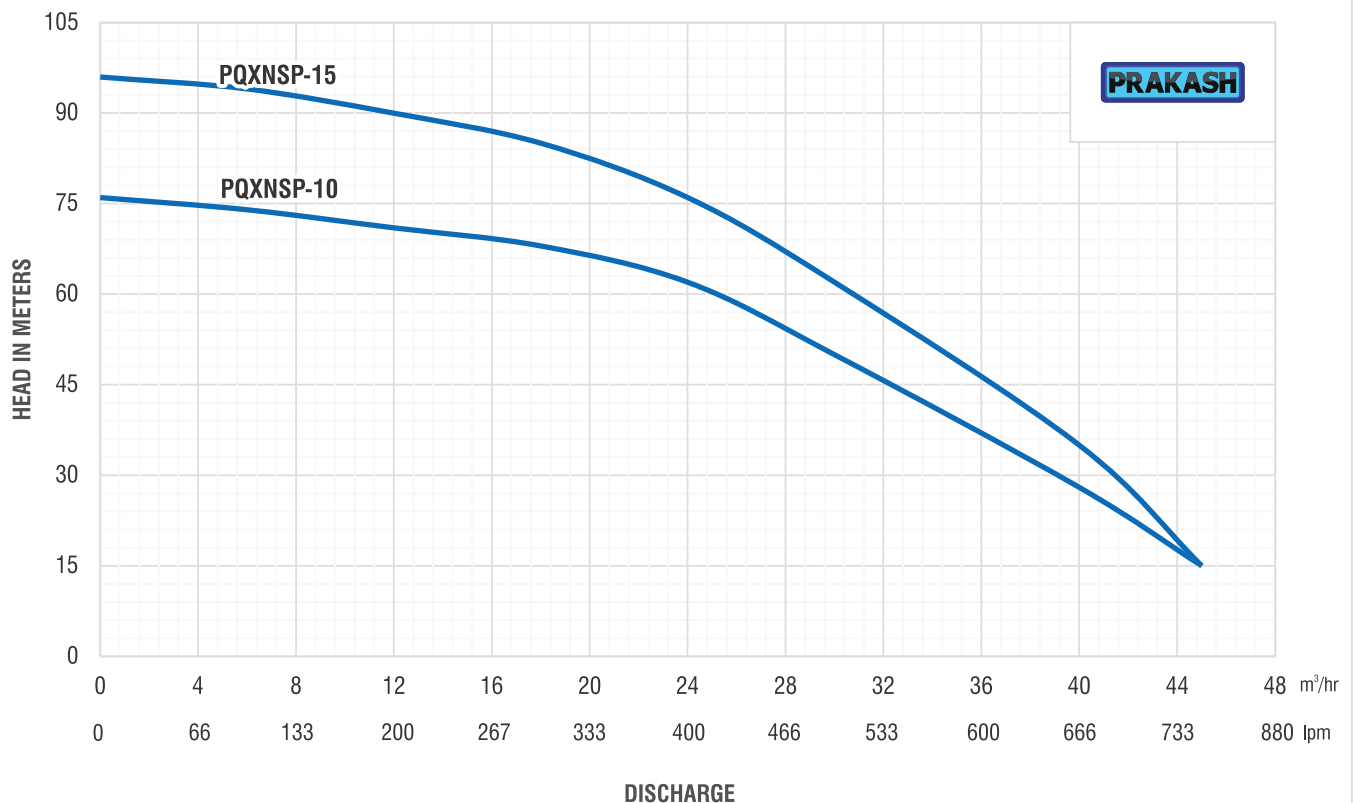
Model	Power		Q	US GPM	0	26	53	79	106	132	176	198
	Kw	HP		M3/H	0	6	12	18	24	30	40	45
				LPM	0	100	200	300	400	500	667	750
PQXNSP-10	7.5	10	Head (m)		76	74	71	68	62	50	28	15
PQXNSP-15	11	15	Head (m)		96	94	90	85	76	62	35	15



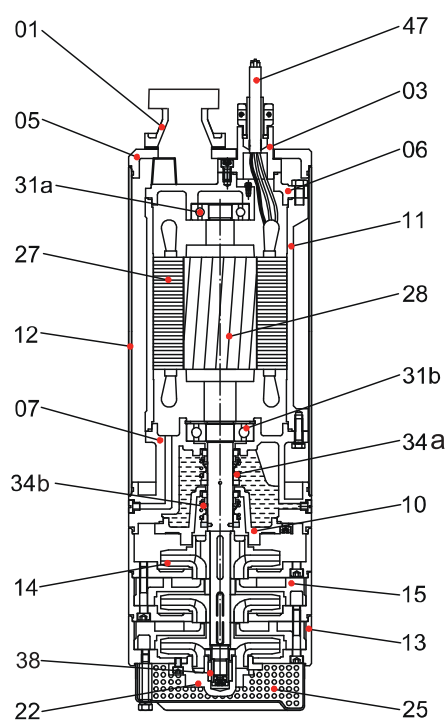
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HYDRAULIC PERFORMANCE CURVE PQXNSP-10 & PQXNSP-15, 3450RPM, 60Hz



Sectional View



Material of Construction (MOC)

Item no	Part name	Material
01	Outlet	Cast iron
03	Terminal box	Cast iron
05	Upper cover	Cast iron
06	Up-Bearing house	Cast iron
07	Bearing house	Cast iron
10	Seal bracket	Cast iron
11	Motor body	Cast Iron
12	Outer casing	Stainless Steel
13	Pump casing	Cast iron
14	Impeller	Cast iron
15	Diffuser	Cast iron
22	Seal assembly	Cast iron
25	Strainer	Steel
27	Stator	
28	Rotor	Shaft: SS
31a	Bearing	Ball bearing
31b	Bearing	Ball bearing
34a	Mechanical seal	Sic-sic
34b	Mechanical seal	Sic-sic
38	Shaft sleeve	NBR & steel
47	Cable	Copper/PVC

PRAKASH

Office in India

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