



Quality, Reliability, Life

Centrifugal Stainless Steel Pump 60Hz



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Application

This series is suitable for transporting clean media which are non-aggressive to stainless steel 316

- Water supply system
- Pressure boiler feeding
- Pure water treating system or R.O plant
- Refining & chemical industries
- Washing & sprinkling

Material of Construction (MOC)

- Pump body : Stainless steel 316
- Bracket : Stainless steel 316
- Impeller : Stainless steel 316
- Shaft : Stainless steel 316
- Mechanical seal : Sic/Viton/SS

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. suction : up to 8 m
- Max. operating pressure : 8 bar
- Liquid PH : 4-10
- Altitude : <1000m

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4
- Insulation class : F
- Thermal protection : Built-in (Only Single phase)
- Voltage : Single phase 220-240v, 60Hz
Three phase 380-420v, 60Hz

Performance Range

- Flow : up to 15.6 m³/hr
- Head : up to 39m
- Power : 0.75kw to 2.2kw
- Speed : 3500 rpm

Product feature

Compact & nice in appearance while being efficient and low in voice. Our pumps have reliable seal which results in case of maintenance & use.

Pump Selection Chart

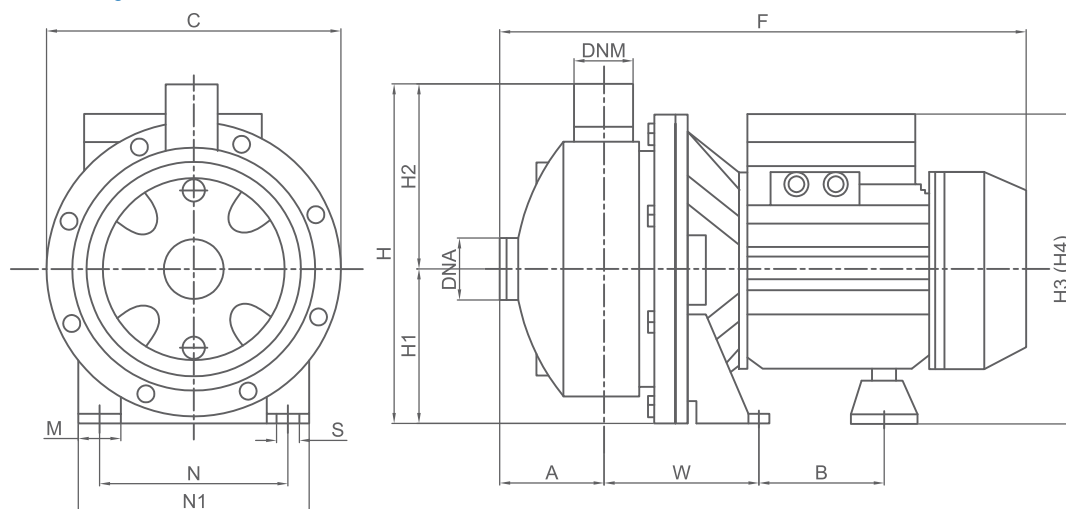
Model		Power		Voltage/ 60Hz	Rated Speed (RPM)	Inlet x Outlet	Max. Flow (m3/h)	Max. Head (m)	Max. Suction (m)
Single Phase	Three Phase	KW	HP						
P70/0.75 SS316	P70/0.75T SS316	0.75	1.0	220-240V & 380-420V	3500	1.25" x 1"	7.2	25	8
P70/1.1 SS316	P70/1.1T SS316	1.1	1.5	220-240V & 380-420V	3500	1.25" x 1"	9.6	34	8
P70/1.5 SS316	P70/1.5T SS316	1.5	2.0	220-240V & 380-420V	3500	1.25" x 1"	10.8	39	8
P120/1.5 SS316	P120/1.5T SS316	1.5	2.0	220-240V & 380-420V	3500	1.25" x 1"	10.8	35	8
P200/2.2 SS316	P200/2.2T SS316	2.2	3.0	220-240V & 380-420V	3500	1.5" x 1"	15.6	33	8

Pump Dimension Chart

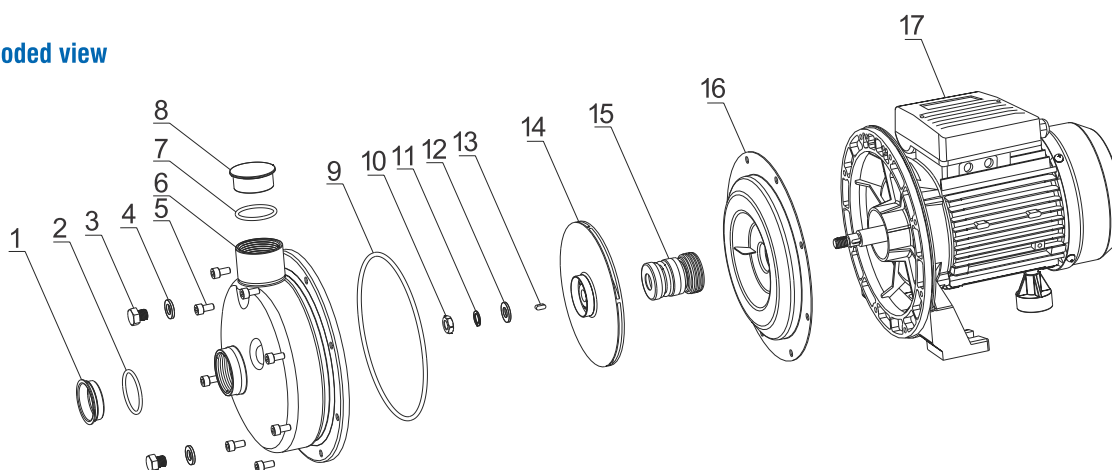
Model		DIMENSIONS IN MM																
Single Phase	Three Phase	A	C	F	H	H1	H2	H3	H4	M	N	N1	S	W	B	DNA	DNM	N.W
P70/0.75 SS316	P70/0.75T SS316	53	213	327	232	108	124	211	210	39	120	160	9	93	76	G1 1/4"	G1"	10
P70/1.1 SS316	P70/1.1T SS316	53	213	370	232	108	124	248	222	39	120	160	9	93	82	G1 1/4"	G1"	14.8
P70/1.5 SS316	P70/1.5T SS316	53	235	383	252	120	132	260	234	39	140	180	9	96	90	G1 1/4"	G1"	15.8
P120/1.5 SS316	P120/1.5T SS316	53	235	383	252	120	132	260	234	39	140	180	9	96	90	G1 1/4"	G1"	18.1
P200/2.2 SS316	P200/2.2T SS316	54	213	371	232	108	124	248	222	39	120	160	9	93	79	G1 1/2"	G1"	-

Note : H3 for single-phase motors and H4 for three-phase motors.

G.A. Drawing



Exploded view



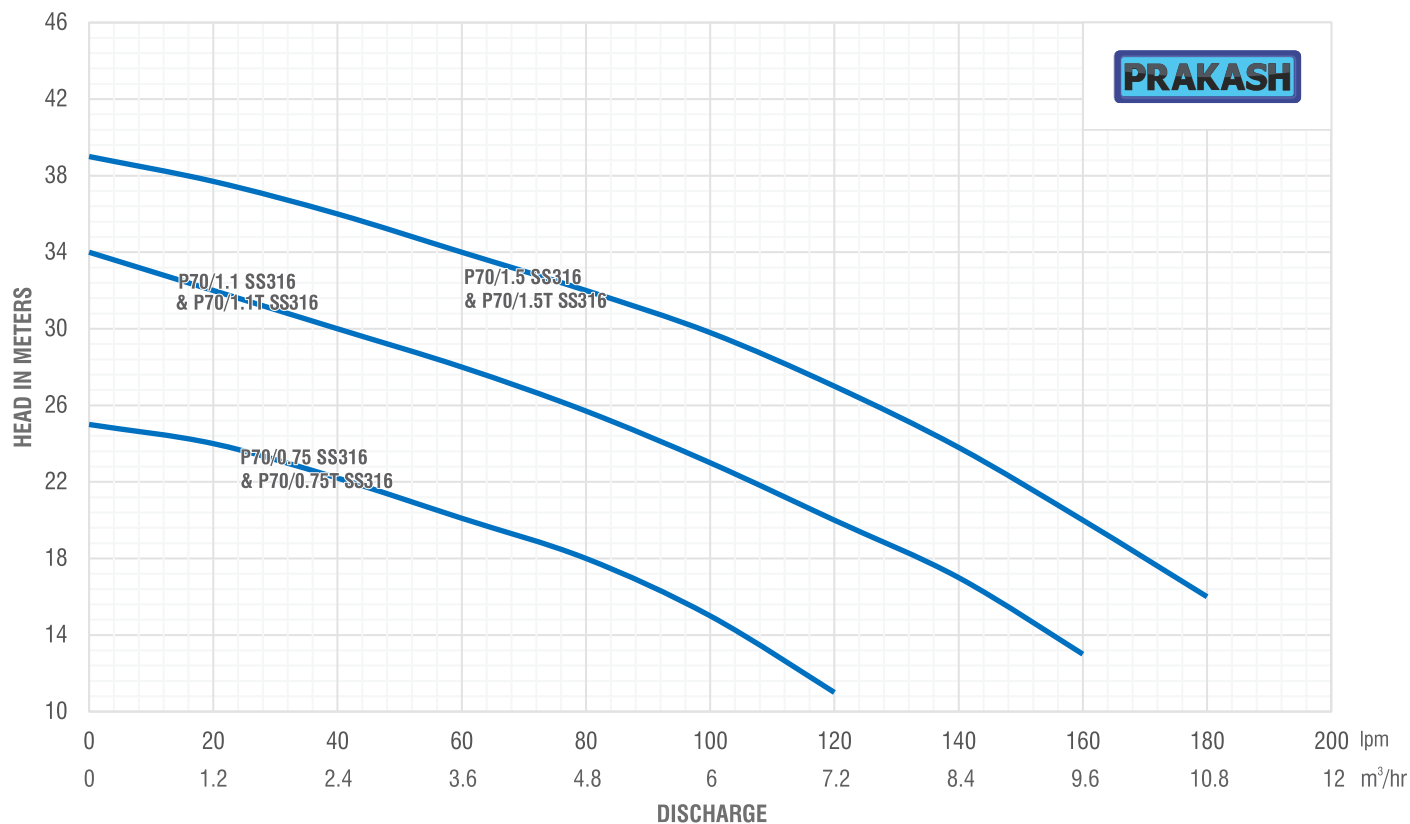
Material Of Construction(MOC)

Code no.	Parts name	Material	Code no.	Parts name	Material
1	Dust cap	Plastic	10	Hexagonal nut	SS316
2	O-ring	NBR	11	Spring washer	SS316
3	Plug	SS316	12	Plan washer	SS316
4	Plan washer	SS316	13	Key	SS316
5	Allen hexagonal bolt	SS316	14	Impeller	SS316
6	Pump housing/Body	SS316	15	Mechanical seal	Sic/Viton/SS
7	O-ring	NBR	16	Pump cover	SS316
8	Dust cap	Plastic	17	Motor	AL
9	O-ring	NBR/EPDM			

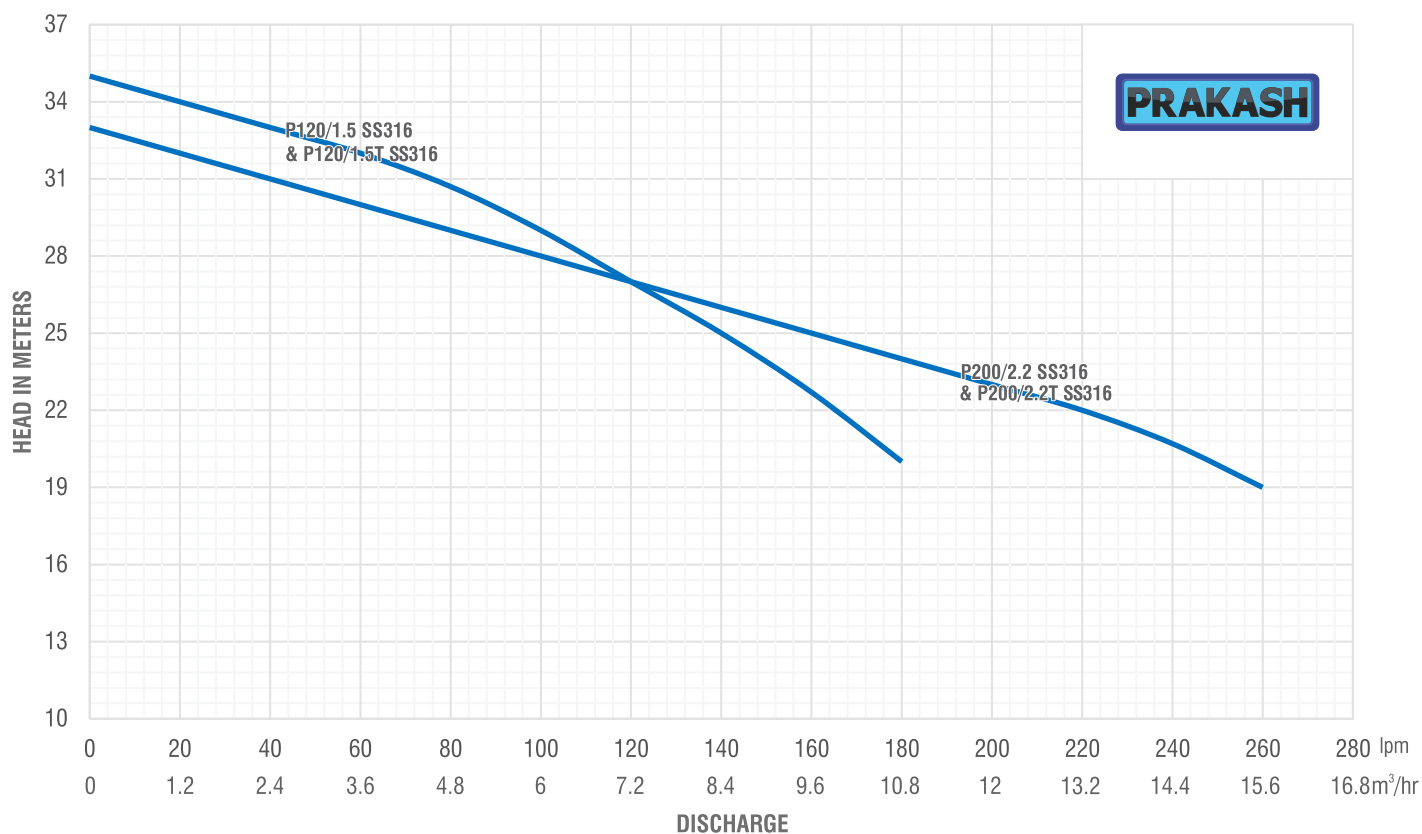
Performance Chart

Model		Power		Q	US GPM	0	5	11	16	21	26	32	37	42	48	53	58	63	69
					M³/H	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	12.0	13.2	14.4	15.6
Single Phase	Three Phase	KW	HP		LPM	0	20	40	60	80	100	120	140	160	180	200	220	240	260
P70/0.75 SS316	P70/0.75T SS316	0.75	1.0	Head (m)	25	24	22	20	18	15	11								
P70/1.1 SS316	P70/1.1T SS316	1.1	1.5	Head (m)	34	32	30	28	26	23	20	17	13						
P70/1.5 SS316	P70/1.5T SS316	1.5	2.0	Head (m)	39	37	36	34	32	30	27	23	20	16					
P120/1.5 SS316	P120/1.5T SS316	1.5	2.0	Head (m)	35	34	33	32	31	29	27	25	23	20					
P200/2.2 SS316	P200/2.2T SS316	2.2	3.0	Head (m)	33	32	31	30	29	28	27	26	25	24	23	22	21	19	

HYDRAULIC PERFORMANCE CURVE CENTRIFUGAL STAINLESS STEEL PUMP 3500RPM, 60Hz



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PRAKASHPUMPEST

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