

Horizontal Stainless Steel Semi-Open Impeller Pumps

PK Series

Applications

- ◆ Circulation Cleaning Systems of Production Lines
- ◆ Transporting media that contains impurities
- ◆ Machine Centres
- ◆ Coolant Systems
- ◆ Part Cleaning Systems
- ◆ Filtration Systems



PK Series

Working Conditions

Transporting medium	Thin, non-explosive fluids, Max. Solid Diameter - 19 mm
Max working Pressure	8 kg/cm ² g
Max ambient Temperature	+40°C
Working Temperature Range	-15°C ~ +80°C
Max Suction Head	8 m
Pump can be used at full load without overloading motor	

Materials of Construction

Casing, back cover, impeller & pump shaft	SS304
Mechanical Seal	NBR/Ceramic/Carbon
Sleeve sealing	NBR O-rings
Special mechanical seal	Available on request
In / Out Connection	Tube / Hose

Features

- ◆ CE approved
- ◆ High quality
- ◆ Performance ISO 2548 (20°C)
- ◆ High reliability
- ◆ Ease in operation
- ◆ Unique in design
- ◆ Energy efficient

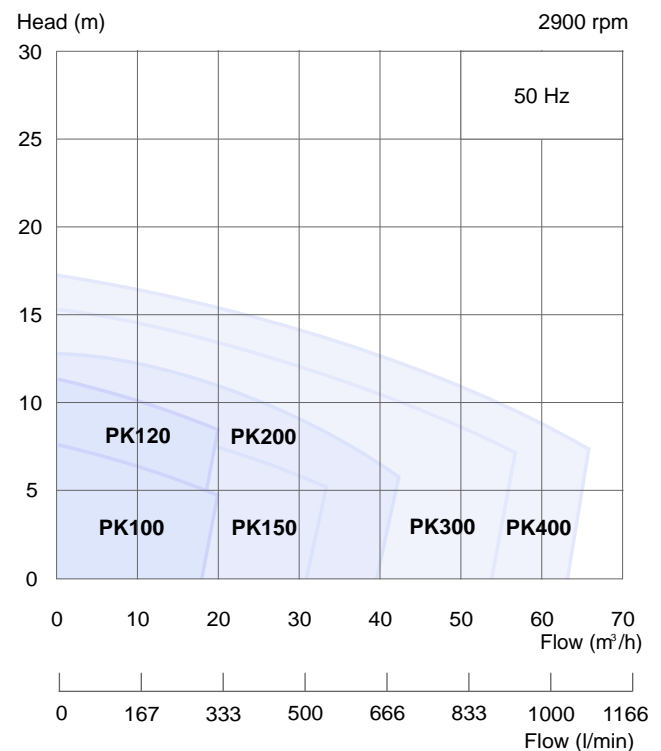
Model Ordering Code Instructions

PK	-	120	-	D
⊥		⊥		⊥
Series		Operating Flow		Phase
PK - Horizontal Semi-Open Impeller Pump		100 - 100 l/min 120 - 120 l/min 150 - 150 l/min 200 - 200 l/min 300 - 300 l/min 400 - 400 l/min		D - Single Blank - Three

Motor Specifications

Type	T.E.F.C - 2 Pole
Speed	2900 rpm
Frequency	50 Hz
Single Phase Voltage	220 V (±5%)
Three Phase Voltage	415 V (±5%)
Insulation Class	F / B
Protection Class	IP55
Duty	Continuous
Motor Case	Aluminum alloy
Altitude	≥1000 m

Performance Curves



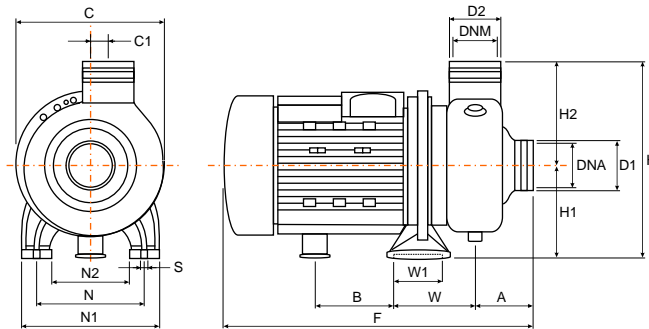


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Outline Diagram



Dimensions

Model	Dimensions (mm)																	
	A	B	C	C1	F	H	H1	H2	N	N1	N2	S	W	W1	D1	D2	DNA	DNM
PK100	74.5	90	170	20	358	226	108	118	120	160	80	9	84	52	52	52	38(1½")	38(1½")
PK120	74.5	90	170	20	358	226	108	118	120	160	80	9	84	52	52	52	38(1½")	38(1½")
PK150	82	74	193	20	364	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PK200	82	74	193	20	364	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PK300	82	65	193	20	390	253	120	133	140	180	100	9	100	52	80	63	65(2½")	50(2")
PK400	82	65	193	20	390	253	120	133	140	180	100	9	100	52	80	63	65(2½")	50(2")

Performance Data

Model		Power		Flow Capacity (m³/hr)	Suction Head (m)	Suction Size mm (inch)	Discharge Size mm (inch)	Flow																		
Single Phase 220 V	Three Phase 415 V	kW	HP					m³/hr																		
								6	12	18	24	33	42	48	57	66										
								l/min																		
								100	200	300	400	550	700	800	950	1100	Head									
								m																		
PK100D	PK100	0.75	1.0	6 ~ 18	8	38(1½")	38(1½")	7	6	5	-	-	-	-	-	-	7	6	5	-	-	-	-	-	-	
PK120D	PK120	0.9	1.2	6 ~ 18	8	38(1½")	38(1½")	11	10	9	-	-	-	-	-	-	11	10	9	-	-	-	-	-	-	
PK150D	PK150	1.1	1.5	6 ~ 33	8	50(2")	50(2")	9.5	8.8	7.8	6.7	5	-	-	-	-	9.5	8.8	7.8	6.7	5	-	-	-	-	
PK200D	PK200	1.5	2.0	6 ~ 42	8	50(2")	50(2")	12.7	12	11.2	10	8.3	6.5	-	-	-	12.7	12	11.2	10	8.3	6.5	-	-	-	
-	PK300	2.2	3.0	6 ~ 57	8	65(2½")	50(2")	15	14	13.5	12.7	11.2	9.8	8.9	7.5	-	15	14	13.5	12.7	11.2	9.8	8.9	7.5	-	
-	PK400	3.0	4.0	6 ~ 66	8	65(2½")	50(2")	17.5	16.8	16	15.2	14	12.5	11.5	9.7	7.5	17.5	16.8	16	15.2	14	12.5	11.5	9.7	7.5	

Water test temp: 20°C

Performance Limits: ISO2548

Std Class C pumps

Speed: 2900 rpm

WATER MANAGEMENT SYSTEMS

Shah Pneumatics

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