

## Horizontal Stainless Steel Closed Impeller Pumps

### PB Series

#### Applications

- Transporting clean water / glycol / light corrosive fluid
- Washing Systems
- Irrigation Systems
- Pools & Fountains
- Industrial & Domestic Applications
- Filtration Systems

#### Working Conditions

Transporting medium	Thin, non-explosive fluids, & light corrosive liquids
Max working Pressure	8 kg/cm <sup>2</sup> 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

PB - 300 - 1.50 - D

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<b>Series</b>	<b>Operating Flow</b>	<b>Motor Power</b>	<b>Phase</b>
PB - Horizontal Closed Impeller Pump	300 - 300 l/min 500 - 500 l/min	0.75 - 0.75 kW 0.90 - 0.9 kW 1.10 - 1.1 kW 1.50 - 1.5 kW 2.20 - 2.2 kW 3.00 - 3.0 kW	D - Single Blank - Three

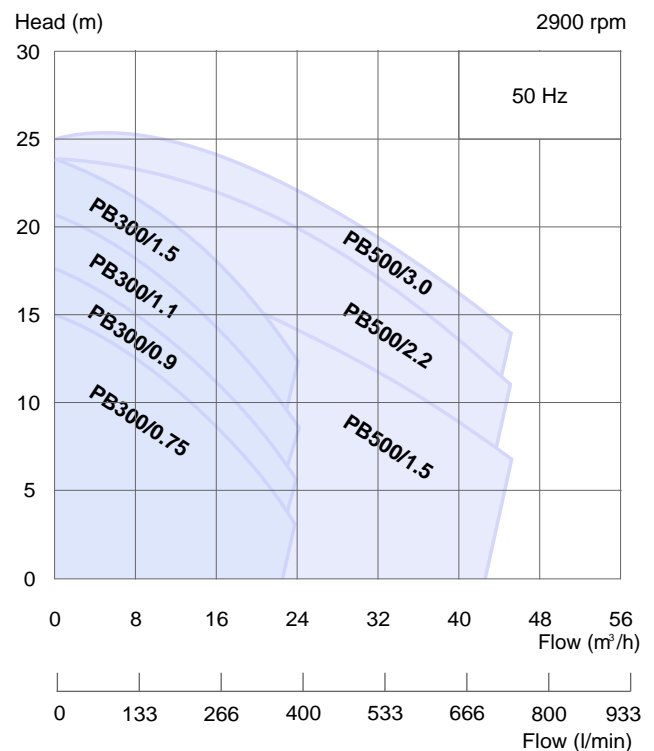


PB Series

#### 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



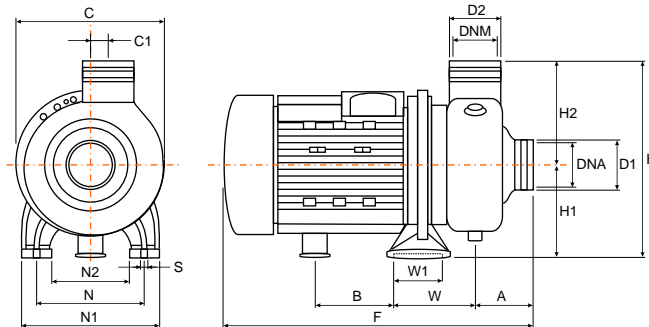


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### Outline Diagram



### Dimensions

Model	Dimensions (mm)																	
	A	B	C	C1	F	H	H1	H2	N	N1	N2	S	W	W1	D1	D2	DNA	DNM
PB300/0.75	74.5	90	170	20	358	226	108	118	120	160	80	9	84	52	52	52	38(1½")	38(1½")
PB300/0.9	74.5	90	170	20	358	226	108	118	120	160	80	9	84	52	52	52	38(1½")	38(1½")
PB300/1.1	82	74	193	20	364	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PB300/1.5	82	74	193	20	364	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PB500/1.5	82	74	193	20	364	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PB500/2.2	82	65	193	20	390	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")
PB500/3.0	82	65	193	20	390	253	120	133	140	180	100	9	100	52	63	63	50(2")	50(2")

### Performance Data

Model		Power		Flow Capacity (m <sup>3</sup> /hr)	Suction Head (m)	Suction Size mm (inch)	Discharge Size mm (inch)	Flow							
Single Phase 220 V	Three Phase 415 V	kW	HP					m <sup>3</sup> /hr	6	12	18	24	28	36	42
								l/min	100	200	300	400	465	600	700
								Head							
								m	13	11	7.5	3.5	-	-	-
PB300/0.75D	PB300/0.75	0.75	1.0	6 ~ 24	8	38(1½")	38(1½")		16	13	10	6	-	-	-
PB300/0.9D	PB300/0.9	0.9	1.2	6 ~ 24	8	38(1½")	38(1½")		19	16.5	13.5	8.5	-	-	-
PB300/1.1D	PB300/1.1	1.1	1.5	6 ~ 24	8	50(2")	50(2")		22.5	20	17	12.5	-	-	-
PB300/1.5D	PB300/1.5	1.5	2.0	6 ~ 24	8	50(2")	50(2")		-	17	15.5	14	13	10.5	8
-	PB500/2.2	2.2	3.0	12 ~ 42	8	50(2")	50(2")		-	22.5	21.5	20	18.5	15.5	12.5
-	PB500/3.0	3.0	4.0	12 ~ 42	8	50(2")	50(2")		-	25	23.5	22	21	18	15.5

Water test temp: 20°C

Performance Limits: ISO2548

Std Class C pumps

Speed: 2900 rpm

## WATER MANAGEMENT SYSTEMS

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