

Horizontal Stainless Steel Single / Twin Micro Centrifugal Pumps

PP-50 / PP-70 / PP-120 / PP-200 / PP-400 / 2PP70 Series

Applications

- ◆ Potable water booster Sets
- ◆ Pressure boiler feeding Systems
- ◆ Sea water applications
- ◆ Refining / Chemical Industries
- ◆ Pure water treating Systems
- ◆ Water supply Systems
- ◆ Pharmaceutical & Food processing
- ◆ Washing & sprinkling Systems



PP / 2PP Series

Working Conditions

Transporting medium	Clean, thin non-explosive liquids
Fluid temperature range	-15°C ~ +80 C
Ambient temperature range	-15°C ~ +40 C
Maximum working pressure	8 kg/cm ² g
Axial Suction	Radial Discharge
To avoid overload, pump must be operated within performance range	

Materials of Construction

Suction & Discharge casing, impeller pump shaft & back cover	SS304 (Optional SS316L)
Bracket & motor case	Aluminum Alloy
Base plate / Adaptor	Cast iron- GCI 25 (GJL-250)
In / Out Flange	GCI 40 (GJS-400)
Elastomers	EPDM (Viton optional)
Standard Mechanical Seal	NBR / Ceramic / Carbon
Sleeve sealing	NBR O-rings
Connection inline	G-ISO 228 Optional, ANSI B16.1 Class 150
Special Mechanical seals	Available on request

Model Ordering Code Instruction

2 - PP - 120

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Impellers	Series	Operating Flow	Motor Power	Phase
2	2 impeller-PP - Horizontal Micro Pump	050 50 litres/min	025 - 0.25 kW	D - Single
Blank	4 impeller	070 70 litres/min	037 - 0.37 kW	Blank - Three
		120 420 litres/min	055 - 0.55 kW	
		200 200 litres/min	075 - 0.75 kW	
		400 400 litres/min	110 - 1.10 kW	
			150 - 1.50 kW	
			185 - 1.85 kW	

Motor Specifications

Type	T.E.F.C. - 2 Pole
Phase	Single / Three phase
Speed	2900 rpm
Frequency	50 Hz
Single phase voltage	220 V (±5%)
Three phase voltage	415 V (±5%)
Insulation class	F
Protection class	I P 55
Efficiency class	EFF 2
Duty	Continuous
Motor case	Aluminum
Altitude	≤1000 m

Features

- ◆ CE approved
- ◆ High quality
- ◆ Performance ISO 2548 °(20 C)
- ◆ Mechanical Seals according to EN 2756
- ◆ Motor Standards according to EN 600 34-1
- ◆ High reliability
- ◆ Ease in operation
- ◆ Energy efficient

WATER MANAGEMENT SYSTEM

Shah Pneumatics

Regd. Office: 28-30 Navketan Indl. Estate, Mahakali Caves Road, Andheri (East), Mumbai- 400 093. INDIA.
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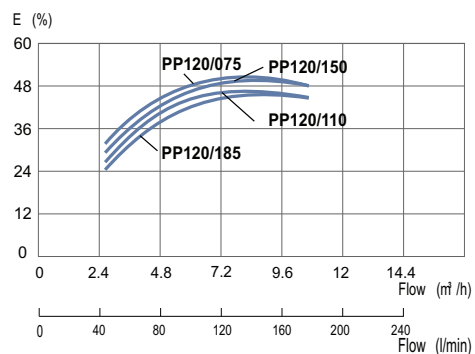
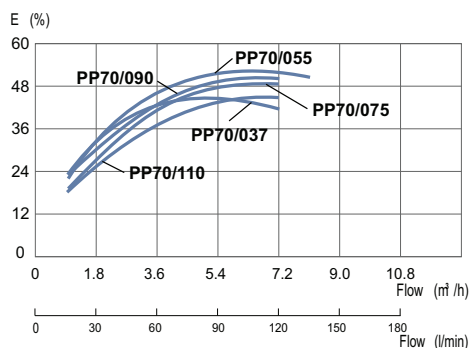
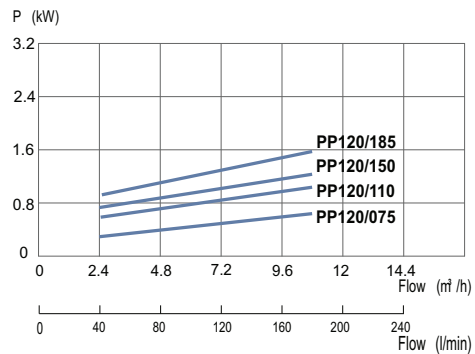
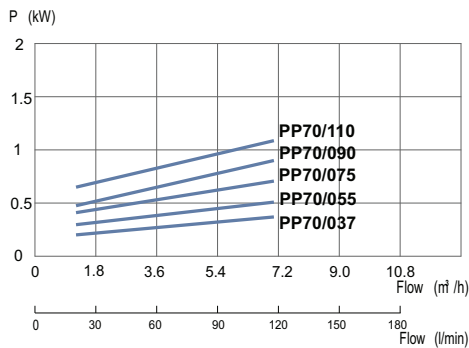
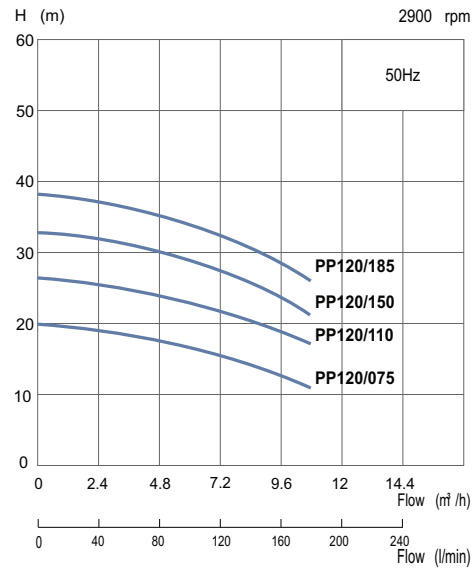
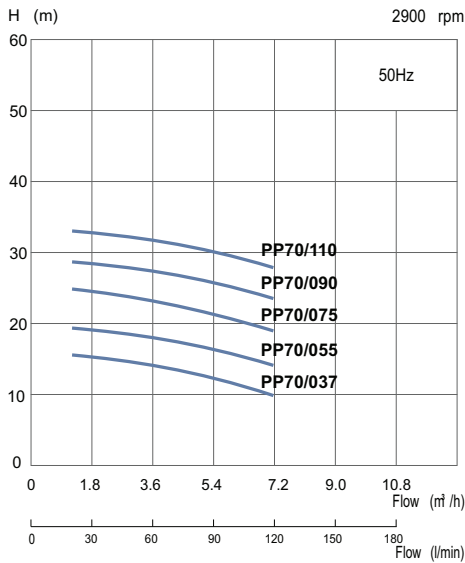
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Performance Curves

PP 70

PP 120



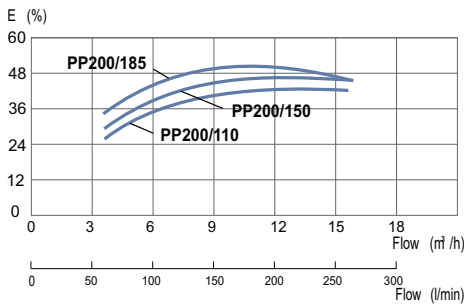
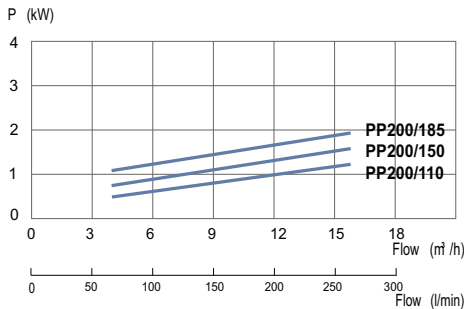
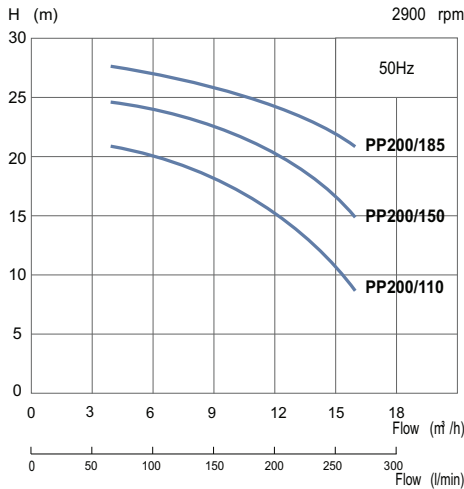


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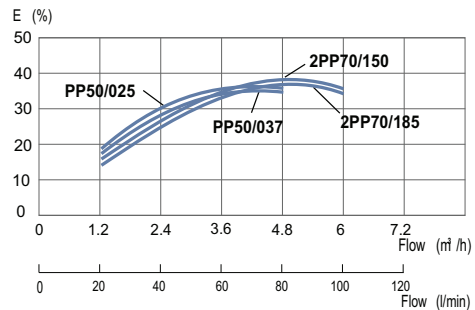
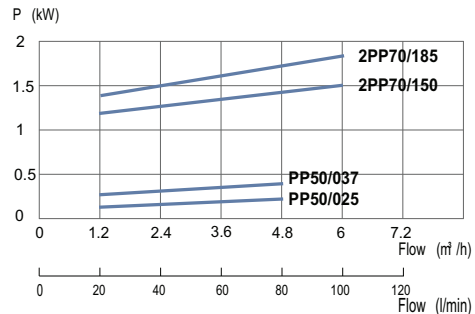
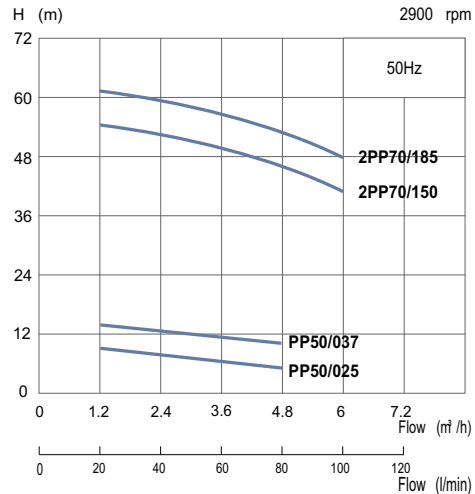
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Performance Curves

PP 200



2PP 70 / PP 50



Water test temp: ° 20 C

Performance Limits: ISO2548

Std Cass C pu

WATER

MANAGEMENT

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