



JB100SS  
Shown

## Features

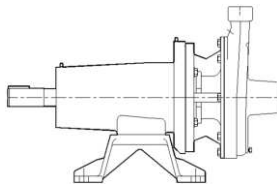
- **Pump Design** – Compact, close coupled
- **Double Seal** – Type 9 & 21 available
- **High Pressure Option** – 300 PSI maximum
- **Teflon Seal** – Type 9 available
- **Flush Options** – Recirculating & Quench available

## Applications

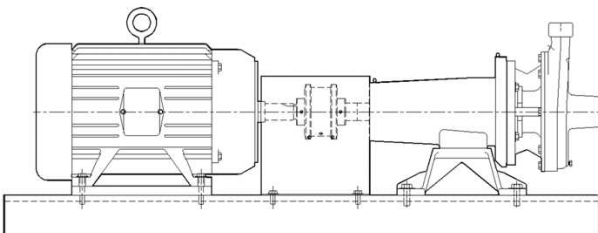
- Waste Water Treatment
- Hot Solvents
- Deionized Water
- Chemical Process
- Plating Equipment
- Agricultural Chemicals

## Optional Configurations

- **Power Frame Mounting:**



- **Long-Coupled Mounting:**



## JB100/150/200

### Pump Volute / Impeller Materials

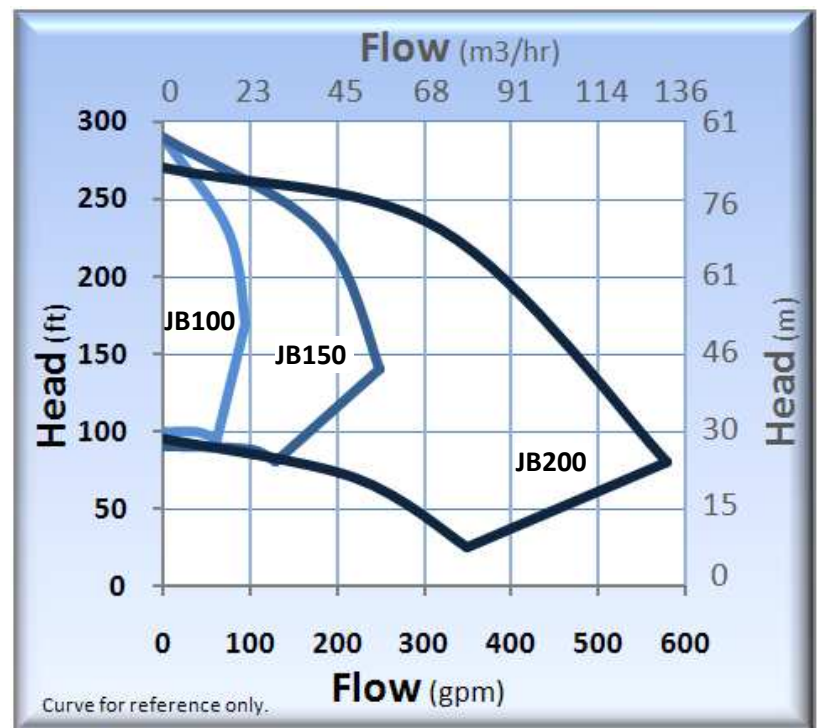
**JB (SS)** – 316SS / 316SS

**JB (CISF\*)** – Cast Iron / 316SS (\* JB100 only)

### Standard Specifications

- JB100 Discharge 1" FNPT, Suction 1-1/2" FNPT
- JB150 Discharge 1-1/2" FNPT, Suction 2" FNPT
- JB200 Discharge 2" FNPT, Suction 3" FNPT
- Maximum Impeller Diameter: 8.00"
- Motor: NEMA JM Face (Multiple enclosures available)
- Mechanical Seal:
  - Single, 1-1/2" Type 21 Viton, Carbon vs. Ceramic
  - Note: Additional seal options available*
- Gasket: Teflon (O-ring optional)

### Performance Curve – 60 Hz



# JB100/150/200

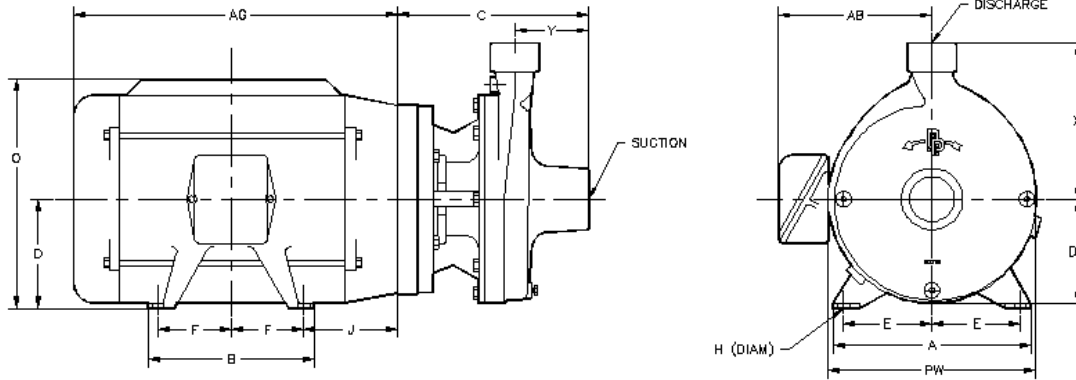
Technical Information		
Max Flow	(JB100)	<b>95 GPM</b> (22 m3/hr)
Max Flow	(JB150)	<b>250 GPM</b> (57 m3/hr)
Max Flow	(JB200)	<b>580 GPM</b> (132 m3/hr)
Max Head		<b>290 feet</b> (88 m)
Min. Flow	(JB100)	<b>20 GPM</b> (4.5 m3/hr)
Min. Flow	(JB150)	<b>40 GPM</b> (9.1 m3/hr)
Min. Flow	(JB200)	<b>90 GPM</b> (20 m3/hr)
Max Solid Size	(JB100)	<b>0.120"</b> (3.0 mm)
Max Solid Size	(JB150)	<b>0.250"</b> (6.4 mm)
Max Solid Size	(JB200)	<b>0.440"</b> (11 mm)
Max Working Pressure	(Type 8 Seal)	<b>325 PSI</b> (22.4 bar)
	(Type 9 Seal)	<b>350 PSI</b> (24.1 bar)
	(Type 21 Seal)	<b>150 PSI</b> (10.3 bar)
	(Type 2 Seal)	<b>300 PSI</b> (20.6 bar)
Max Temp.		<b>300°F</b> (149°C)*

Materials of Construction		
JB	SS	CISF*
Volute	316SS	Cast Iron
Impeller	316SS	316SS
Bracket	316SS	Cast Iron
Gasket	Teflon	Teflon
Shaft Sleeve	316SS	316SS
Fasteners	316SS	316SS

(\* JB100 only)

\* Temperature limits are based on standard seal and gasket materials, and will vary according to the liquid being pumped.

## Dimensions (JB)



	PUMP END DIMENSIONS						
	PW	DD	X	C	Y	DISCHARGE	SUCTION
JB100	10"	5"	7-1/2	7-3/4	3-1/8	1"	1-1/2"
JB150	10"	5"	7-1/2	8-1/4 9-1/4	3-9/16	1-1/2"	2"
JB200	11-5/16	5-11/16	8-3/8	8-3/8 9-3/8	3-3/4	2"	3"

FRAME	MOTOR END DIMENSIONS					DRIP-PROOF			TEFC & EXP. PROOF				
	A	B	D	E	F	H	J	AB	AG	O	AB	AG	O
143JM 145JM	6-1/2	6	3-1/2	2-3/4	2 2-1/2	11/32	1-5/8	5-1/4	8-3/4	6-7/8	6-3/4	11-1/4	6-7/8
182JM 184JM	8-1/2	6-1/2	4-1/2	3-3/4	2-1/4 2-3/4	13/32	2-1/4	5-7/8	11-1/8	9	7-3/8	14-3/4	8-1/2
213JM 215JM	9-1/2	8	5-1/4	4-1/4	2-3/4 3-1/2	13/32	3-1/4	7-3/8	12-3/4	10-1/16	9-3/4	15-1/2 17	10-3/8
254JM 256JM	11-1/4	9-1/2 11-3/4	6-1/4	5	4-1/8 5	17/32	4-1/2	8-15/16	16 17-1/2	12	11	21	13

NOTE: MOTOR DIMENSIONS WILL VARY BY MODEL AND MAKE. DIMENSIONS ARE TO BE USED FOR REFERENCE ONLY.

### NOTES:

- FOR ENGINEERING PURPOSES, PUMP JB150 AND MOTOR 215JM HAVE BEEN USED TO CREATE DRAWING.
- ALL DIMENSIONS ARE ROUNDED TO THE NEAREST 1/8 INCH.

**PRICE PUMP CO.**

21775 Eighth Street East  
Sonoma, CA 95476-0329

MAIN (707) 938-8441

TOLL FREE (800) 345-7867

FAX (707) 938-0764

E-mail: [sales@pricepump.com](mailto:sales@pricepump.com)

Website: [www.pricepump.com](http://www.pricepump.com)

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