



JB100SS  
Shown

## Features

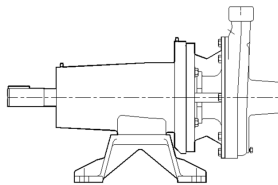
- **Pump Design** – Compact, close coupled
- **Double Seal** – Type 9 & 21 available
- **High Pressure Option** – 300 PSI maximum
- **Teflon Seal** – Type 9 available
- **Flush Options** – Recirculating & Quench available

## Applications

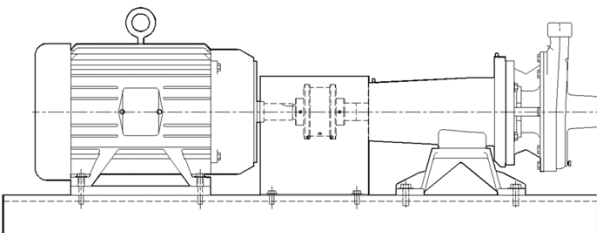
- Waste Water Treatment
- Hot Solvents
- Deionized Water
- Chemical Process
- Plating Equipment
- Agricultural Chemicals

## Optional Configurations

- **Power Frame Mounting:**



- **Long-Coupled Mounting:**



## JB100/150/200

### Pump Volute / Impeller Materials

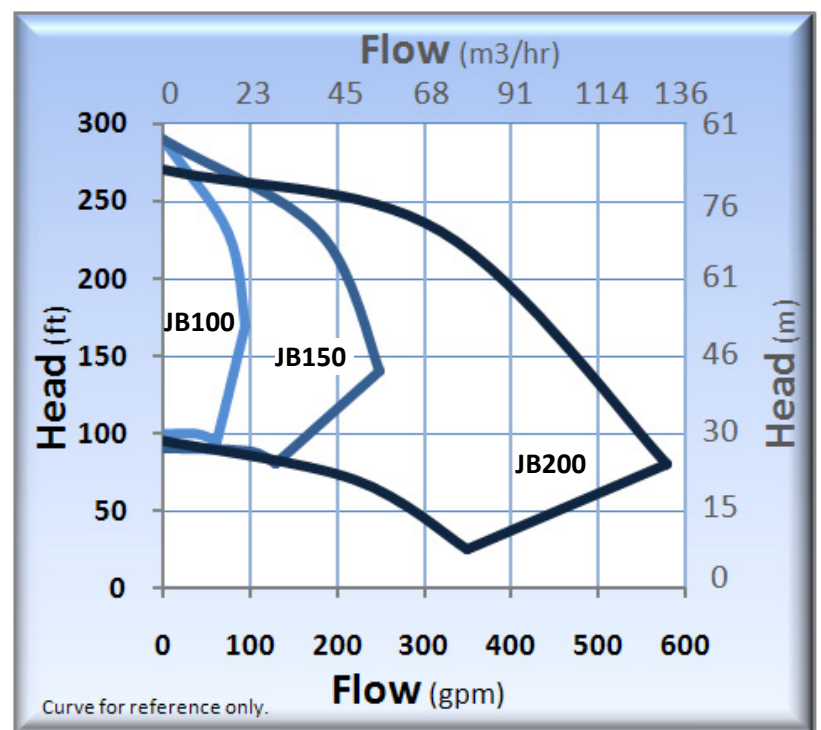
JB (SS) – 316SS / 316SS

JB (AISF) – Cast Iron / 316SS

### 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



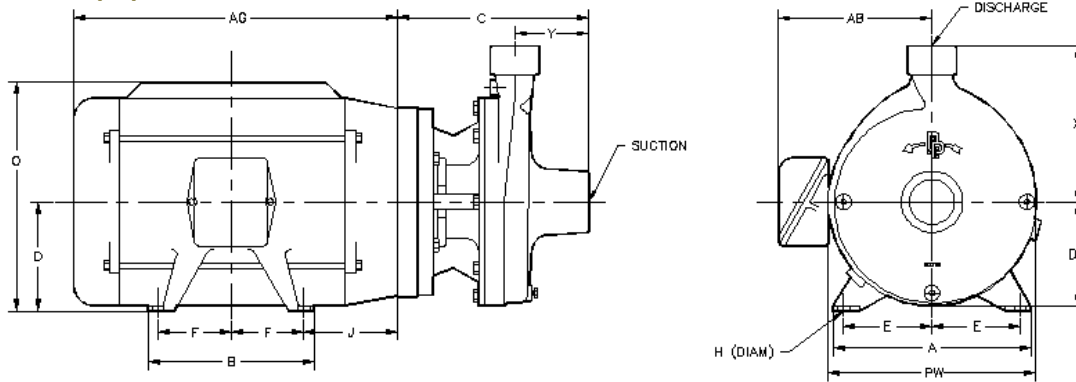
# JB100/150/200

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

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

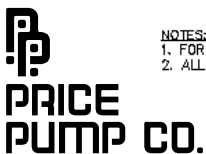
## Dimensions (JB)



|       | 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 | 3-9/16         | 1-1/2"    | 2"      |
| JB200 | 14.3JM-215JM<br>254.M&256.M | 11-5/16 | 5-11/16 | 9-3/8 | 8-3/8<br>9-3/8 | 3-3/4     | 3"      |

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

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



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

Contact factory for special pump configurations,  
same day, and next day delivery options.

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