



# PRICE PUMP®

## JB100/150/200

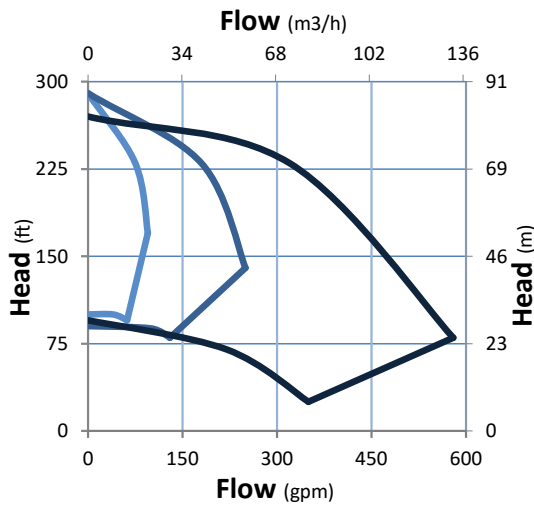
### PUMP VOLUTE / IMPELLER MATERIALS

JB (SS) – 316SS / 316SS

JB (CISF) – CAST IRON / 316SS (JB100 ONLY)

### APPLICATIONS

- WASTE WATER TREATMENT
- HOT SOLVENTS
- DEIONIZED WATER
- CHEMICAL PROCESS
- PLATING EQUIPMENT
- AGRICULTURAL CHEMICALS



### 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)

PUMP ENERGY INDEX: .810-.930

### MECHANICAL SEAL TYPES

SINGLE, 1-1/2" TYPE 21 VITON, CARBON VS. CERAMIC

NOTE: ADDITIONAL SEAL OPTIONS AVAILABLE

GASKET: TEFLON (O-RING OPTIONAL)

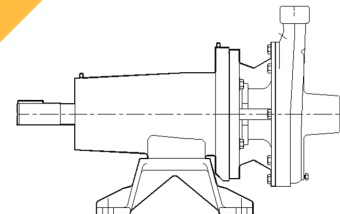
### OPTIONAL CONFIGURATIONS

POWER FRAME MOUNTING

LONG-COUPLED MOUNTING

### 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



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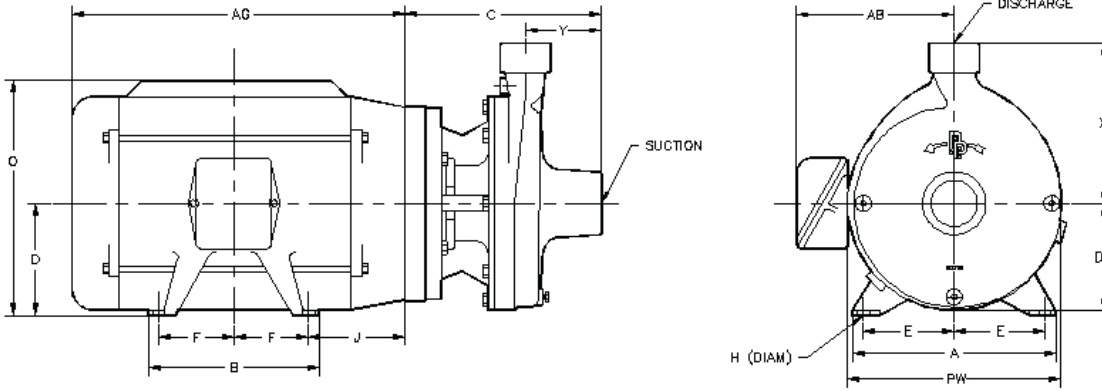
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		PUMP END DIMENSIONS						
		PW	DD	X	C	Y	DISCHARGE	SUCTION
JB100		10"	5"	7-1/2"	7-3/4"	3-1/8"	1"	1-1/2"
JB150	143JM-215JM 254JM&256JM	10"	5"	7-1/2"	8-1/4" 9-1/4"	3-9/16"	1-1/2"	2"
JB200	143JM-215JM 254JM&256JM	11-5/16"	5-11/16"	8-3/8"	8-3/8" 9-3/8"	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	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								
162JM	8-1/2	6-1/2	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
164JM					2-3/4								
213JM	8-1/2	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.

## DIMENSIONS

### Materials of Construction

JB	SS	CISF
<b>Volute</b>	<b>316SS</b>	<b>Cast Iron</b>
<b>Impeller</b>	<b>316SS</b>	<b>316SS</b>
<b>Bracket</b>	<b>316SS</b>	<b>Cast Iron</b>
<b>Gasket</b>	<b>Teflon</b>	<b>Teflon</b>
<b>Shaft Sleeve</b>	<b>316SS</b>	<b>316SS</b>
<b>Fasteners</b>	<b>316SS</b>	<b>316SS</b>

\* TEMPERATURE LIMITS ARE BASED ON STANDARD SEAL AND GASKET MATERIALS, AND WILL VARY ACCORDING TO THE LIQUID BEING PUMPED.

### Technical Information

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



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