



JB100/150/200

PUMP VOLUTE / IMPELLER MATERIALS

JB (SS) – 316SS / 316SS

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

APPLICATIONS

WASTE WATER TREATMENT

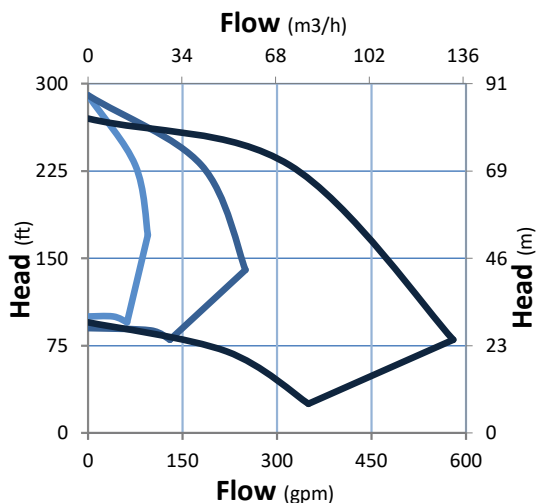
HOT SOLVENTS

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

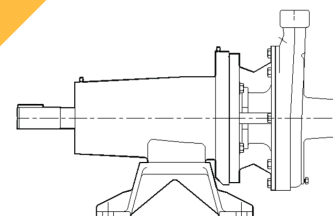
PUMP DESIGN – COMPACT, CLOSE COUPLED

DOUBLE SEAL – TYPE 9 & 21 AVAILABLE

HIGH PRESSURE OPTION – 300 PSI MAXIMUM

TEFLON SEAL – TYPE 9 AVAILABLE

FLUSH OPTIONS – RECIRCULATING & QUENCH AVAILABLE



2203 SMEED PARKWAY CALDWELL, ID 83605

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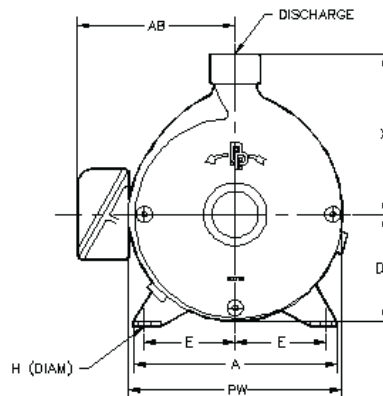
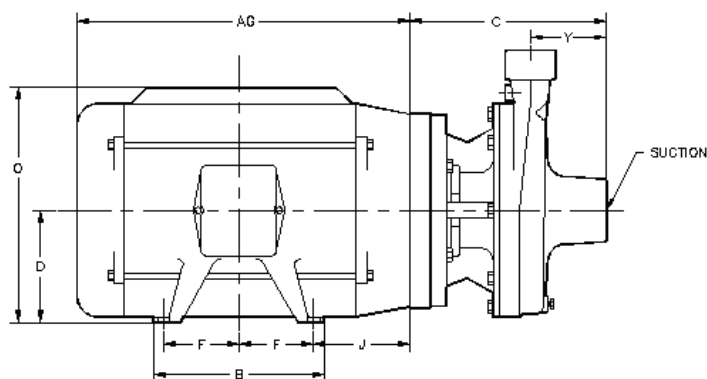
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PRICE PUMP®

JB100/150/200



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	14-3/8-215JM 254JM&256JM	10"	5"	7-1/2	8-1/4 9-1/4	3-9/16	1-1/2"
JB200	14-3/8-215JM 254JM&256JM	11-5/16	5-11/16	9-3/8	8-3/8 9-3/8	3-3/4	2"

MOTOR END DIMENSIONS								DRIP-PROOF			TEFC & EXP. PROOF		
FRAME	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	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
184JM					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
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.

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) (Type 9 Seal) (Type 21 Seal) (Type 2 Seal)	325 PSI (22.4 bar) 350 PSI (24.1 bar) 150 PSI (10.3 bar) 300 PSI (20.6 bar)
Max Temp.		300°F (149°C)*



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