



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® J75CHF

Dwg:

DS-C05-003

Rev:

3

Date:

9/3/2025

GENERAL DATA

APPROVALS:	CSA APPROVAL (AVAILABLE UPON REQUEST)	
MAX. FLOW:	300 GPM (1135.6 LPM)	
MAX. HEAD:	145' (44.2m)	
MAX. SUBMERSION DEPTH:	65' (20 m) or limited to length of power cord, Consult factory for deeper depths	
PUMP TYPE:	DEWATERING, SIDE DISCHARGE, HIGH TEMP	
MINIMUM SUBMERSION DEPTH FOR CONT. DUTY ³ :	18.5" (469.9 mm)	
PUMP DOWN WATER LEVEL:	6.25" (158.75 mm)	
SOLID SIZE:	0.37" (9.5 mm)	
STRAINER OPENING:	0.37" (9.5 mm)	
IMPELLER DIAMETER:	6.5" (165 mm)	
DISCHARGE SIZE:	4" NPT-FEMALE	
SLIDE RAIL SYSTEM	4" CAST IRON	
PUMP WEIGHT (without cable):	206 lbs (93.4 kg)	
SHIPPING WEIGHT:	248 lbs (112.5 kg)	

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR CASING	304 SS
IMPELLER & VOLUTE	CAST IRON
STRAINER	STEEL
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BEARING, OIL LUBRICATED, UPPER:	6305
BEARING, OIL LUBRICATED, LOWER:	6307 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	10, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY ³)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE - 3PH - 60Hz ¹	460V	575V
CURRENT F.L.A.	15	10.5
LOCKED ROTOR CURRENT (LRA)	108	65
STANDARD POWER CABLE: GAGE-LENGTH	AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE	
CSA RATED POWER CABLE: GAGE-LENGTH	AWG 6/4, 50' (15m) SEOOW	AWG 10/4, 50' (15m) SEOOW
SENSOR CABLE: ² GAGE-LENGTH	AWG 18/4, 33' (10m) HIGH TEMP RATED CABLE	
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)	
SEAL LEAK DETECTOR ²	Seal Minder® MOISTURE SENSING PROBE	
MAXIMUM LIQUID TEMPERATURE	200°F (93°C)	

1 - Available in other voltages for 50Hz

2 - Requires seal fail and thermal circuit in control panel for warranty validity.

3 - Continuous duty motor - see minimum submersion depth above.

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INDUSTRIAL
FLOW
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PERFORMANCE CURVE

BJM Pumps® J75HF

Dwg:

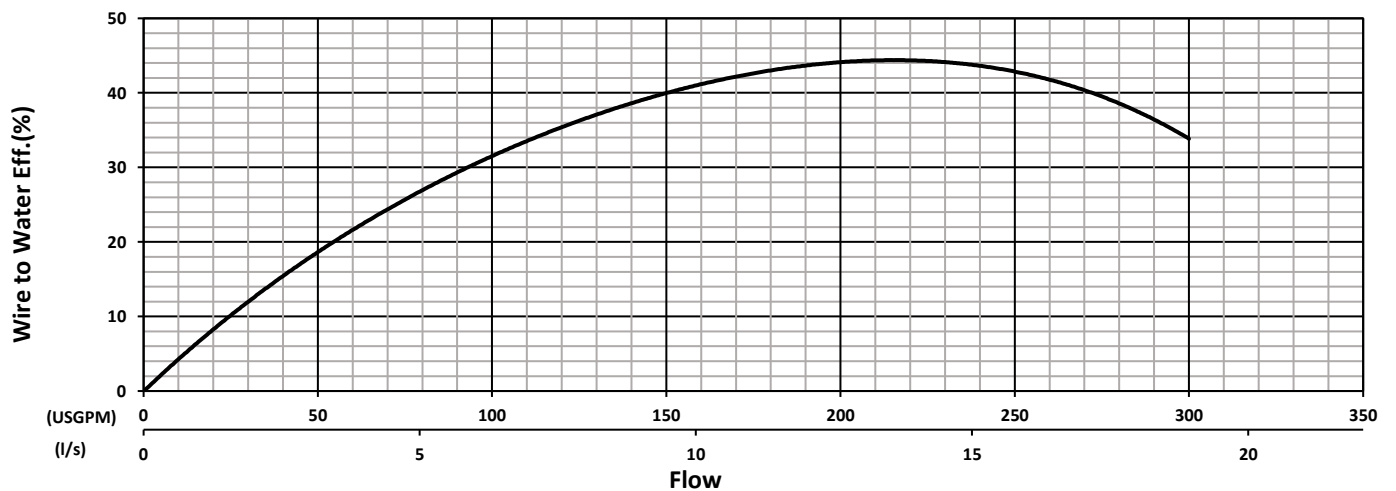
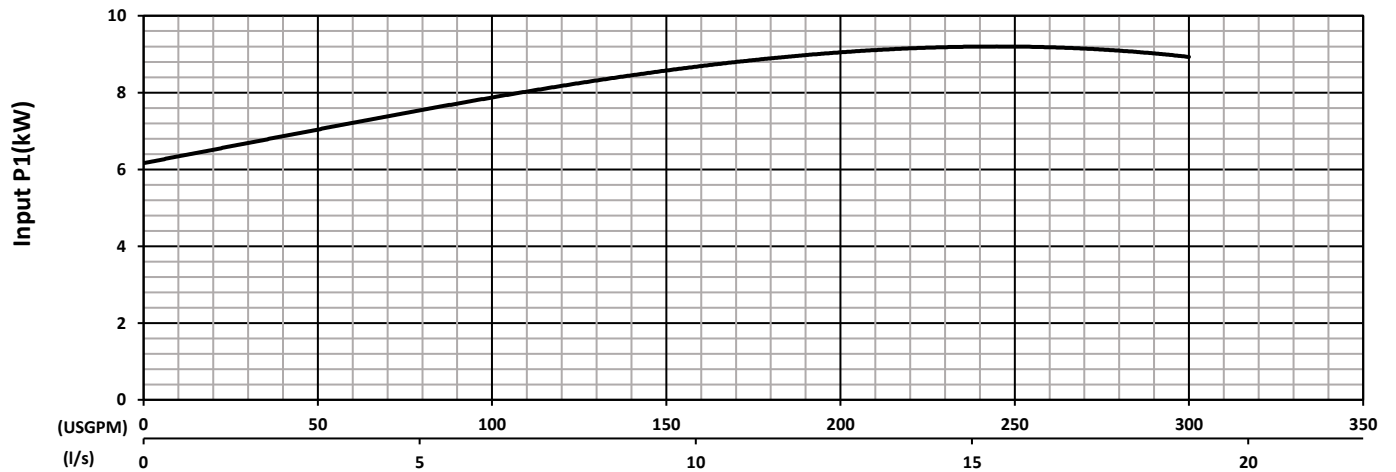
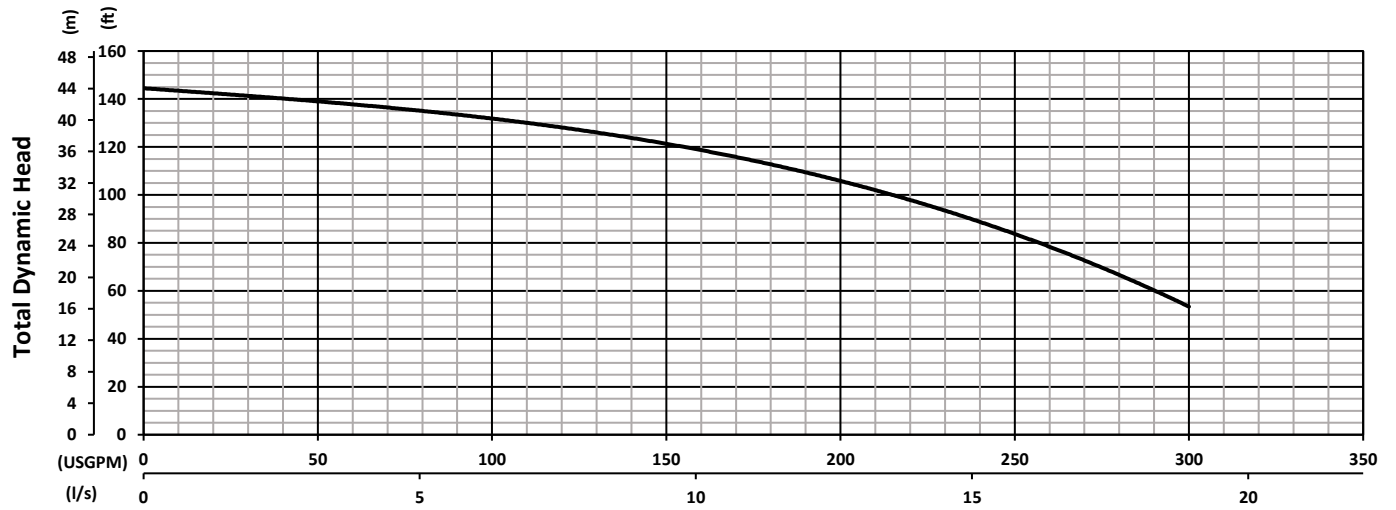
DS-C05-002

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3

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6/16/2025



Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

75HF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 165mm

Specifications subject to change without notice