



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® J22HF

Dwg:

DS-C05-011

Rev:

1

Date:

9/3/2025

GENERAL DATA

APPROVALS:	CSA APPROVAL (AVAILABLE UPON REQUEST)	
MAX. FLOW:	171 GPM (647.3 LPM)	
MAX. HEAD:	98' (29.9m)	
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 :	11.5" (292.1 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:	5.5" (140 mm)	
DISCHARGE SIZE:	2" NPT-MALE	
SLIDE RAIL SYSTEM	2" CAST IRON	
PUMP WEIGHT (without cable):	83 lbs (37.6 kg)	
SHIPPING WEIGHT:	99 lbs (44.9 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:	6304
BEARING, OIL LUBRICATED, LOWER:	6305

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	3, 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	208V	230V	460V	575V
CURRENT F.L.A.	9.45	9	4.5	3.2
LOCKED ROTOR CURRENT (LRA)	57	56	28	22
STANDARD POWER CABLE: GAGE-LENGTH	AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE			
CSA RATED POWER CABLE: GAGE-LENGTH	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 Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA

(860) 631-3618 • www.flowsolutions.com



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FLOW
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PERFORMANCE CURVE

BJM Pumps® J22HF

Dwg:

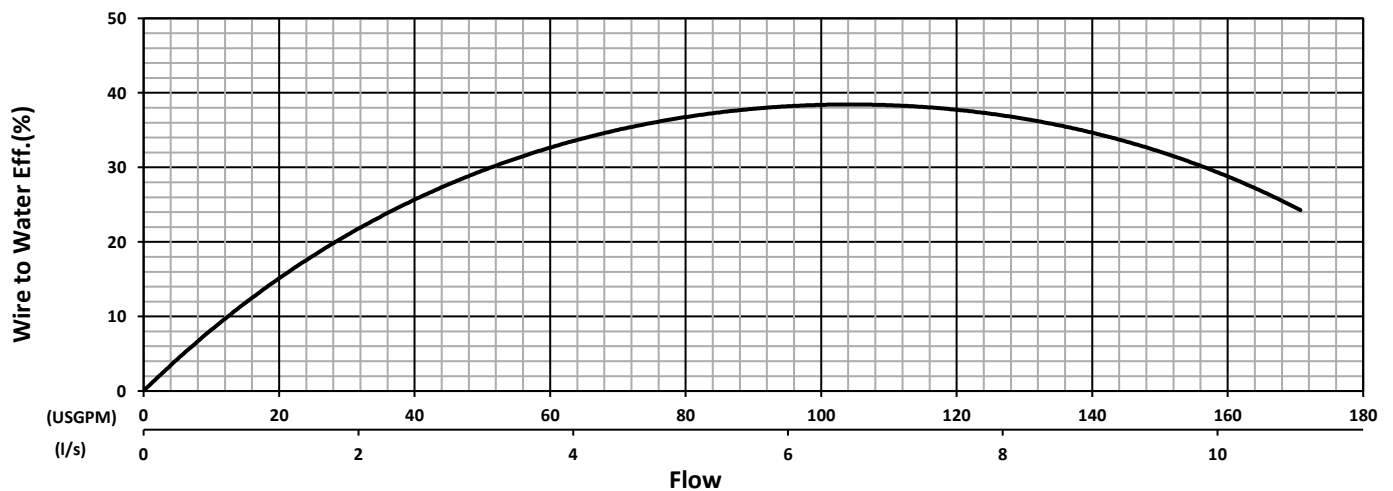
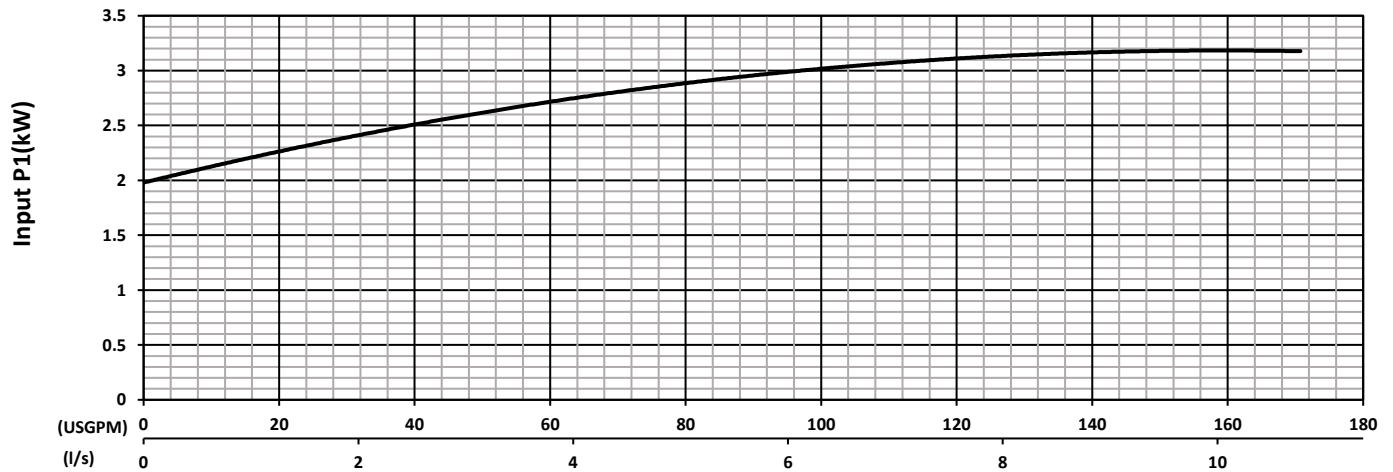
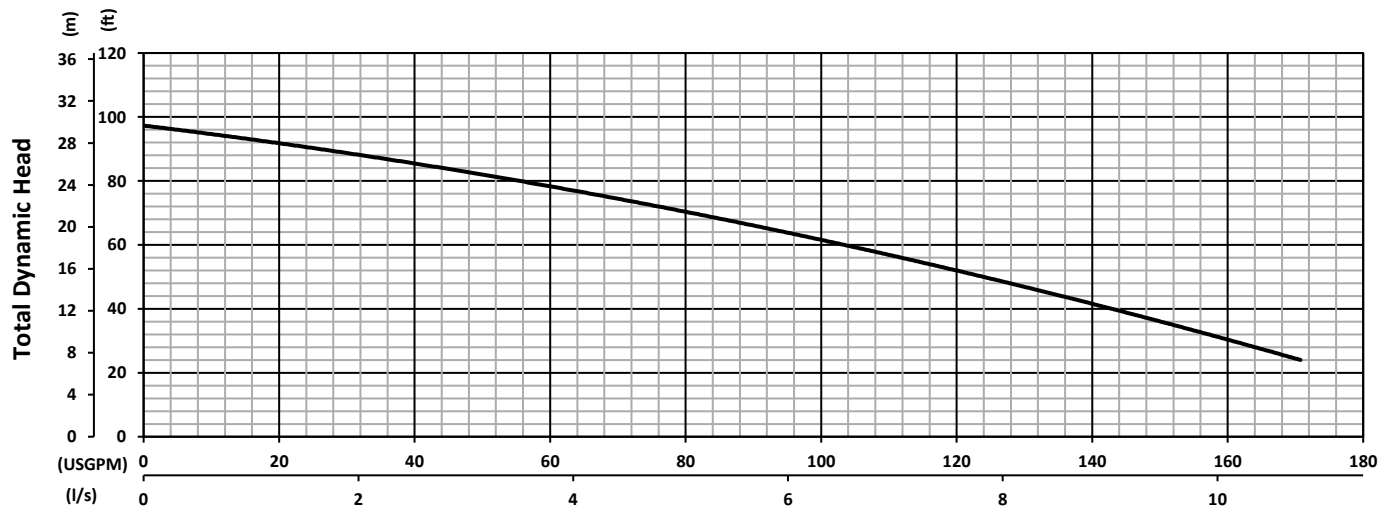
DS-C05-007

Rev:

1

Date:

7/23/2025



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

22HF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 135mm

Specifications subject to change without notice