



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® J400F

Dwg:

DS-C03-011

Rev:

1

Date:

9/4/2025

GENERAL DATA

APPROVALS:	CSA APPROVAL (AVAILABLE UPON REQUEST)	
MAX. FLOW:	55 GPM (208.2 LPM)	
MAX. HEAD:	41' (12.5m)	
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 :	8" (203.2 mm)	
PUMP DOWN WATER LEVEL:	4.75" (120.65 mm)	
SOLID SIZE:	0.12" (3.1 mm)	
STRAINER OPENING:	0.19" (4.7 mm)	
IMPELLER DIAMETER:	3.74" (95 mm)	
DISCHARGE SIZE:	2" NPT-MALE	
SLIDE RAIL SYSTEM	2" CAST IRON	
PUMP WEIGHT (without cable):	32 lbs (14.5 kg)	
SHIPPING WEIGHT:	45 lbs (20.4 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	304 SS
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BEARING, OIL LUBRICATED, UPPER:	6201
BEARING, OIL LUBRICATED, LOWER:	6301

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	0.5, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY ³)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE - 1PH - 60HZ ¹	115V	230V
CURRENT F.L.A.	8.5	5.5
LOCKED ROTOR CURRENT (LRA)	24	12
STANDARD POWER CABLE: GAGE-LENGTH	AWG 16/4, 33' (10m) HIGH TEMP RATED CABLE	
CSA RATED POWER CABLE: GAGE-LENGTH	AWG 12/4, 50' (15m) SEOOW	
SENSOR CABLE: ² GAGE-LENGTH	AWG 18/4, 33' (10m) HIGH TEMP RATED CABLE	
START COMPONENTS	CAPACITOR AND START RELAY IN CONTROL PANEL	
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® J400F

Dwg:

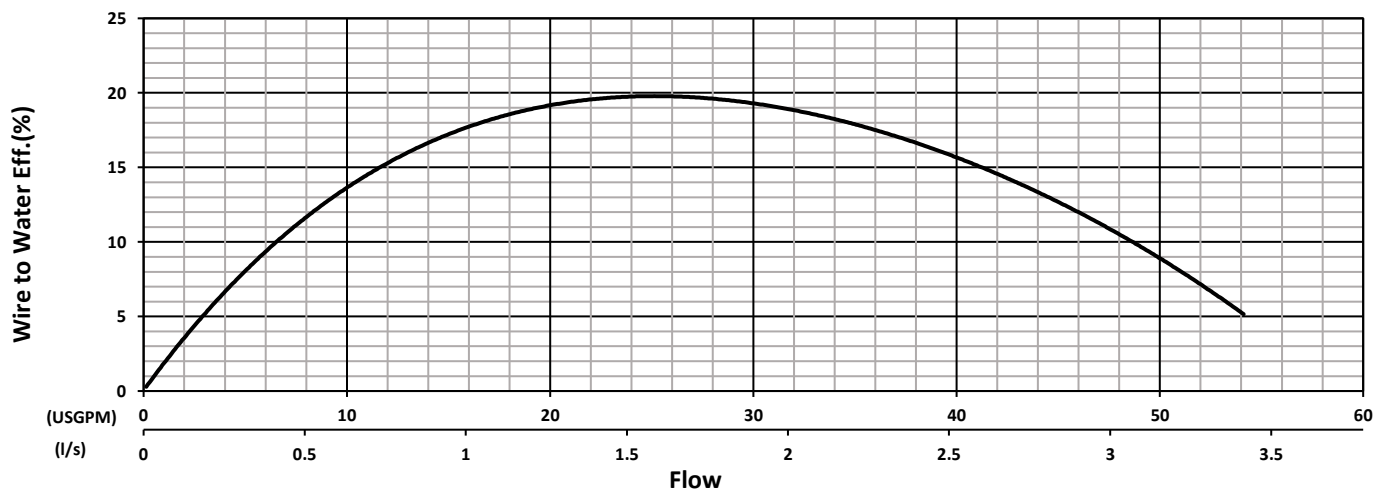
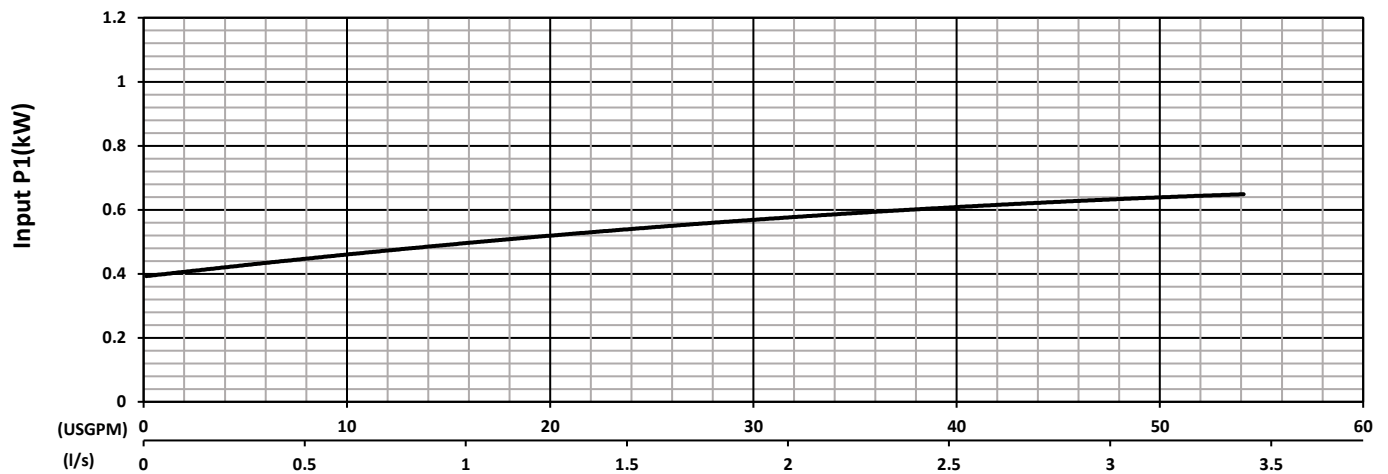
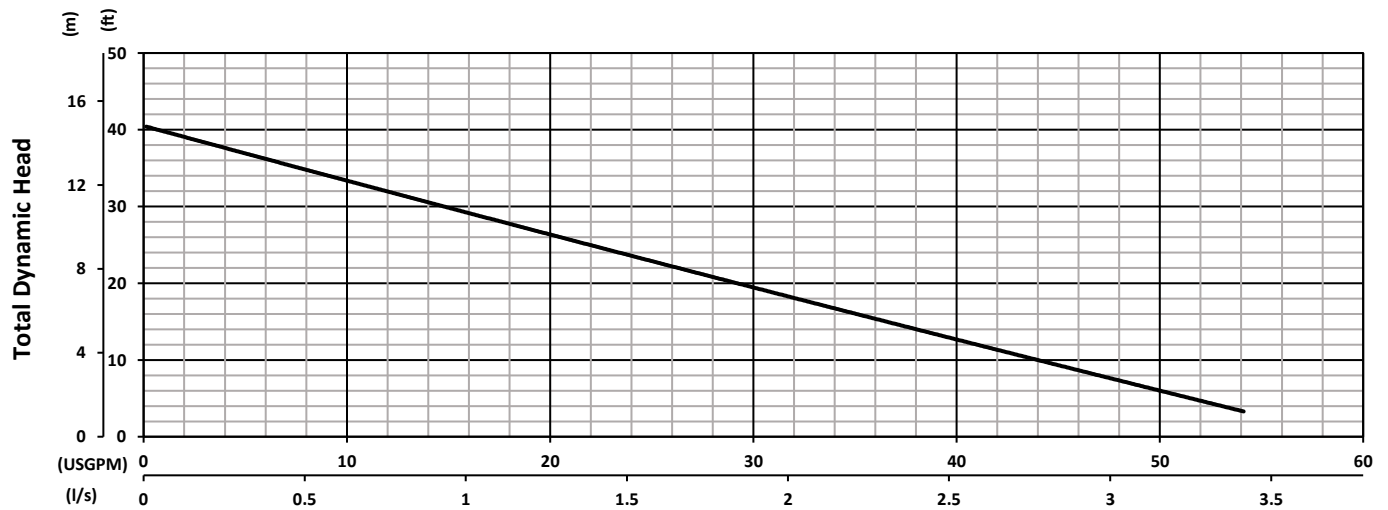
DS-C03-005

Rev:

1

Date:

7/23/2025



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

400F - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
95mm

Specifications subject to change without notice