



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® SV400F

Dwg:

DS-C32-012

Rev:

1

Date:

7/8/2025

GENERAL DATA

MAX. FLOW:	70 GPM (264.9 L/min)
MAX. HEAD:	25' (7.6m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	NON-CLOG VORTEX
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	10.52" (267 mm)
SOLID SIZE:	1.5" (38 mm)
IMPELLER DIAMETER:	3.22" (81.6 mm)
DISCHARGE SIZE	2" NPT-MALE
SLIDE RAIL SYSTEM	2"
PUMP WEIGHT (without cable):	34 lbs (15.5 kg)
SHIPPING WEIGHT:	50 lbs (22.7 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	304 SS
PUMP VOLUTE	CAST IRON
IMPELLER	CAST IRON
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: OIL LUBRICATED UPPER	6201
BALL BEARING: OIL LUBRICATED LOWER	6301

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	0.5 SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE - 1PH - 60Hz ¹	115	230
CURRENT F.L.A.	8.5	5.5
LOCKED ROTOR CURRENT (LRA)	24	12
POWER CABLE: GAGE-LENGTH	AWG 16/8, 50' (15m) HIGH TEMP RATED CABLE	
START COMPONENTS	CAPACITORS AND START RELAY IN CONTROL PANEL (REQUIRED FOR OPERATION)	
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 a seal fail circuit in control panel for warranty validity

3 - Continuous duty motor - see minimum submersion depth above

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL FLOW SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® SV400F

Dwg:

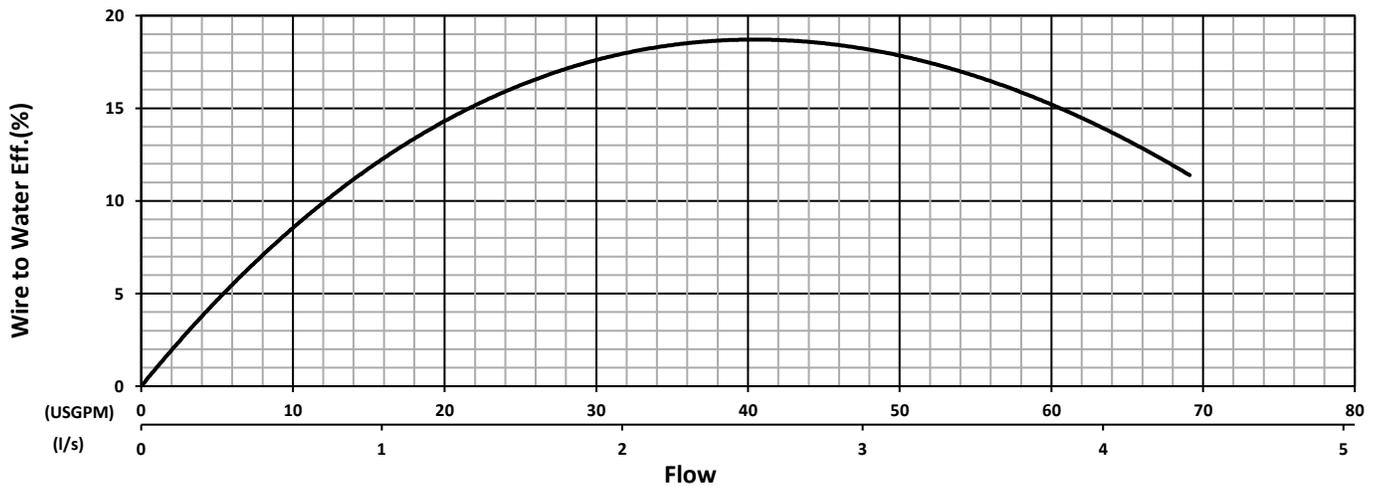
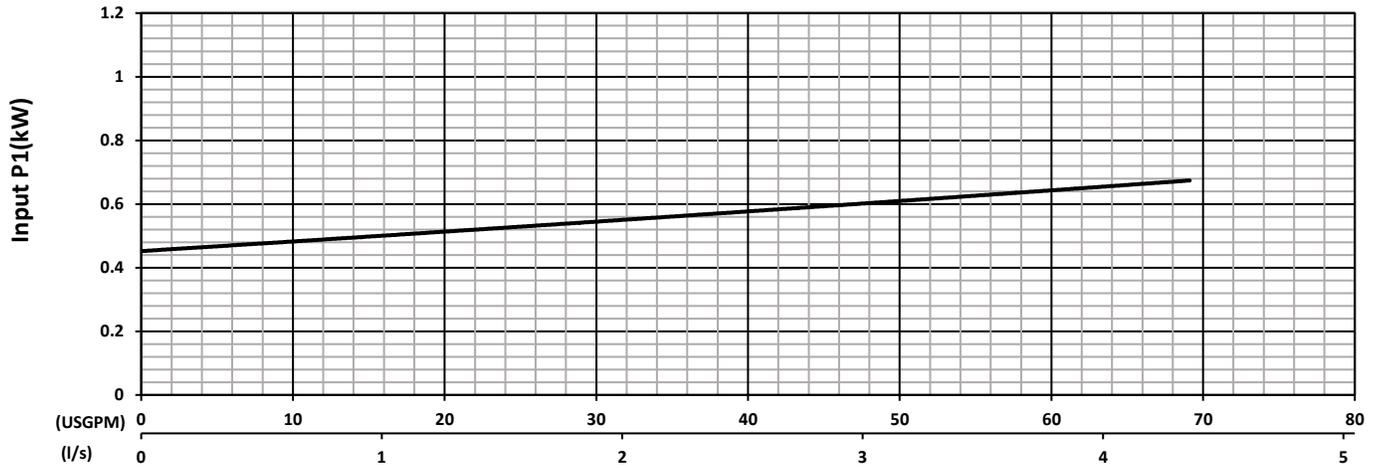
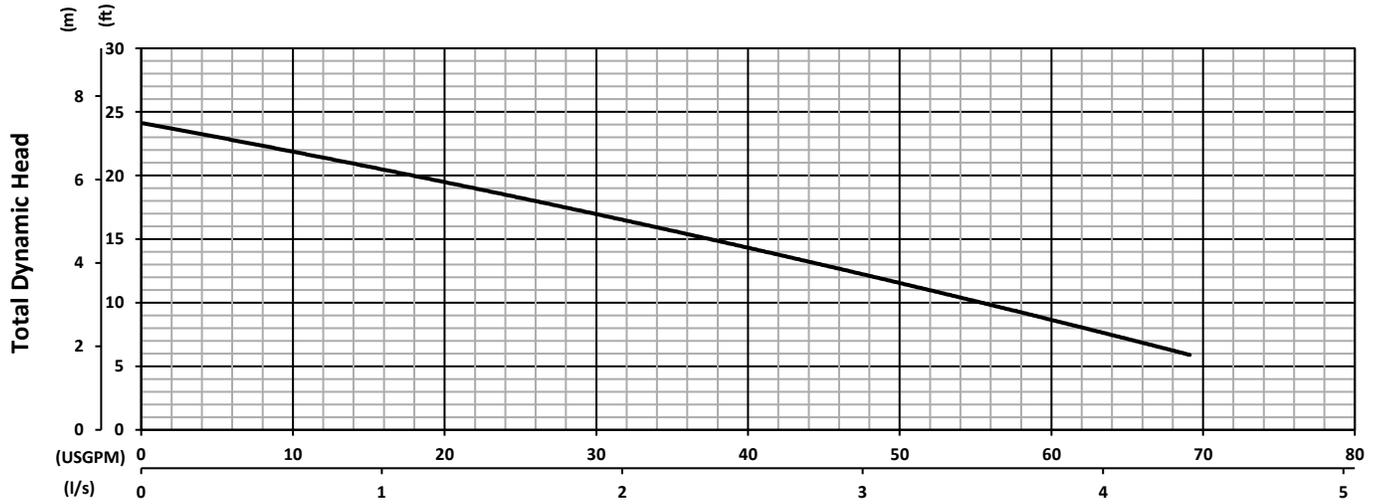
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Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

400F - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	81.6mm

Specifications subject to change without notice