



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® SV750CF

Dwg:

DS-C32-013

Rev:

1

Date:

7/8/2025

GENERAL DATA

MAX. FLOW:	90 GPM (340.6 L/min)
MAX. HEAD:	32' (9.7m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	NON-CLOG VORTEX HIGH TEMPERATURE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	12.01" (305 mm)
SOLID SIZE:	2" (50 mm)
IMPELLER DIAMETER:	3.55" (90 mm)
DISCHARGE SIZE	3" NPT-MALE
DISCHARGE CONNECTION (OPTIONAL ⁴)	2" NPT-MALE
SLIDE RAIL SYSTEM	3"
PUMP WEIGHT (without cable):	68 lbs (31 kg)
SHIPPING WEIGHT:	90 lbs (41 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/SILICON CARBIDE, 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	6203
BALL BEARING: OIL LUBRICATED LOWER	6304

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	1, 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	115V	230V
CURRENT F.L.A.	16	8.5
LOCKED ROTOR CURRENT (LRA)	70	35
POWER CABLE: GAGE-LENGTH	AWG 14/4, 30' (10m) HIGH TEMP RATED CABLE	AWG 10/4, 30' (10m) HIGH TEMP RATED CABLE
SENSOR CABLE: ² GAGE-LENGTH	AWG 18/4, 33' (10m) HIGH TEMP RATED CABLE	
START COMPONENTS	CAPACITOR & START RELAY COMPONENTS 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

4 - Converting to 2" discharge requires additional purchased parts & will effect performance

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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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL FLOW SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® SV750F

Dwg:

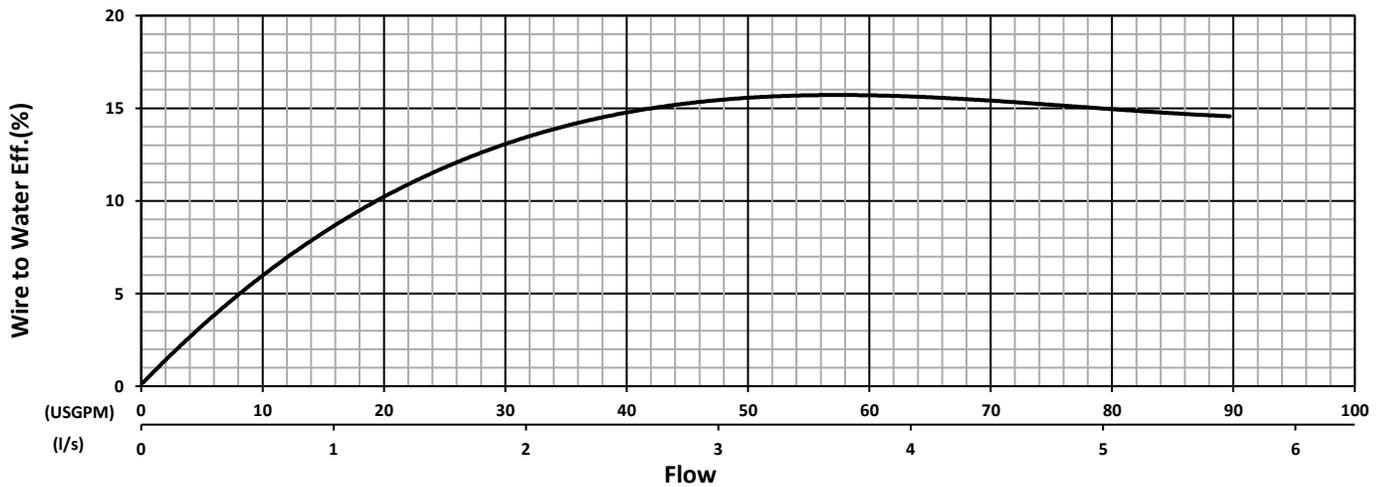
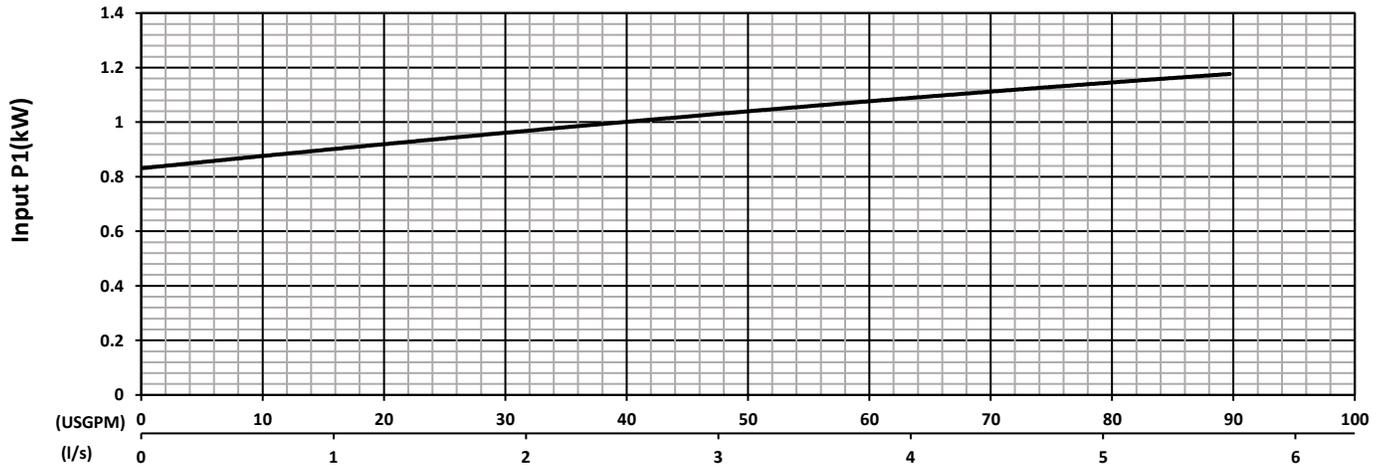
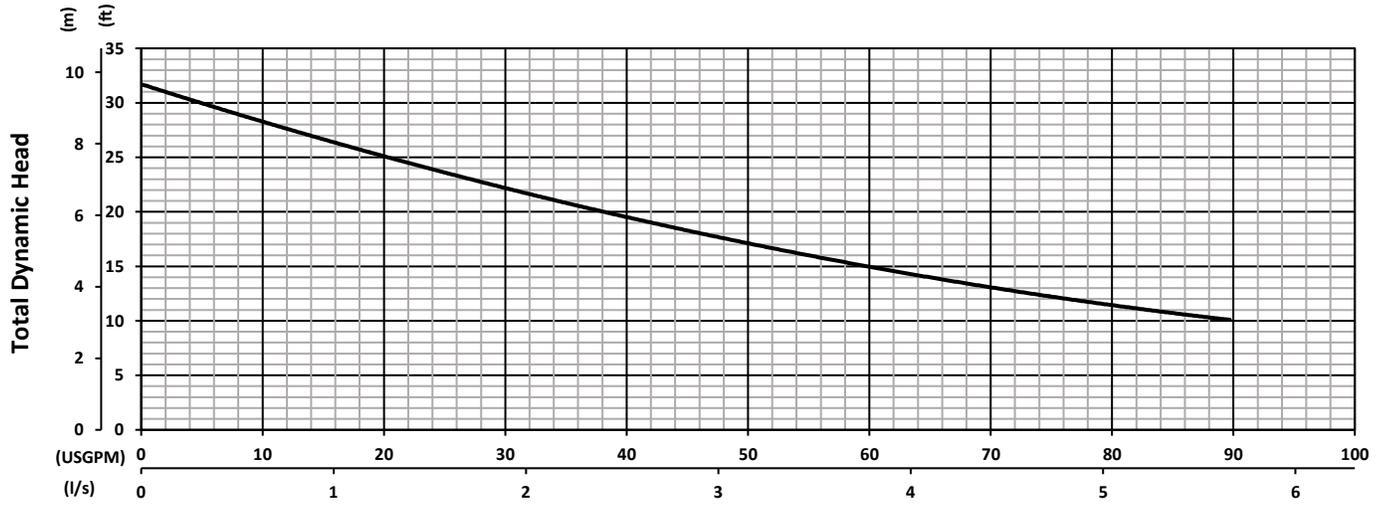
DS-C32-006

Rev:

1

Date:

7/23/2025



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

750F - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	90mm

Specifications subject to change without notice