

INDUSTRIAL
FLOW
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® SV55CF****Dwg:**

DS-C32-018

Rev:

1

Date:

8/12/2025

GENERAL DATA

MAX. FLOW:	646 GPM (2445.3 L/min)
MAX. HEAD:	38' (11.5m)
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	22.52" (572 mm)
SOLID SIZE:	3.5" (89 mm)
IMPELLER DIAMETER:	6.89" (175 mm)
DISCHARGE SIZE	4" NPT-FEMALE
SLIDE RAIL SYSTEM	4"
PUMP WEIGHT (without cable):	246 lbs (111.8 kg)
SHIPPING WEIGHT:	289 lbs (131 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	DUCTILE IRON
IMPELLER	CAST IRON
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: OIL LUBRICATED UPPER	6305
BALL BEARING: OIL LUBRICATED LOWER	6307 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	R, 428°F (220°C)		
MOTOR SERVICE FACTOR	1.1		
VOLTAGE - 60Hz ¹	230V	460V	575V
CURRENT F.L.A.	21	10.5	7.8
LOCKED ROTOR CURRENT (LRA)	130	65	48
POWER CABLE: GAGE-LENGTH	AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE		
SENSOR CABLE: ² GAGE-LENGTH	AWG 18/4, 33' (10m) HIGH TEMP RATED CABLE		
MOTOR PROTECTION	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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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® SV55CF

Dwg:

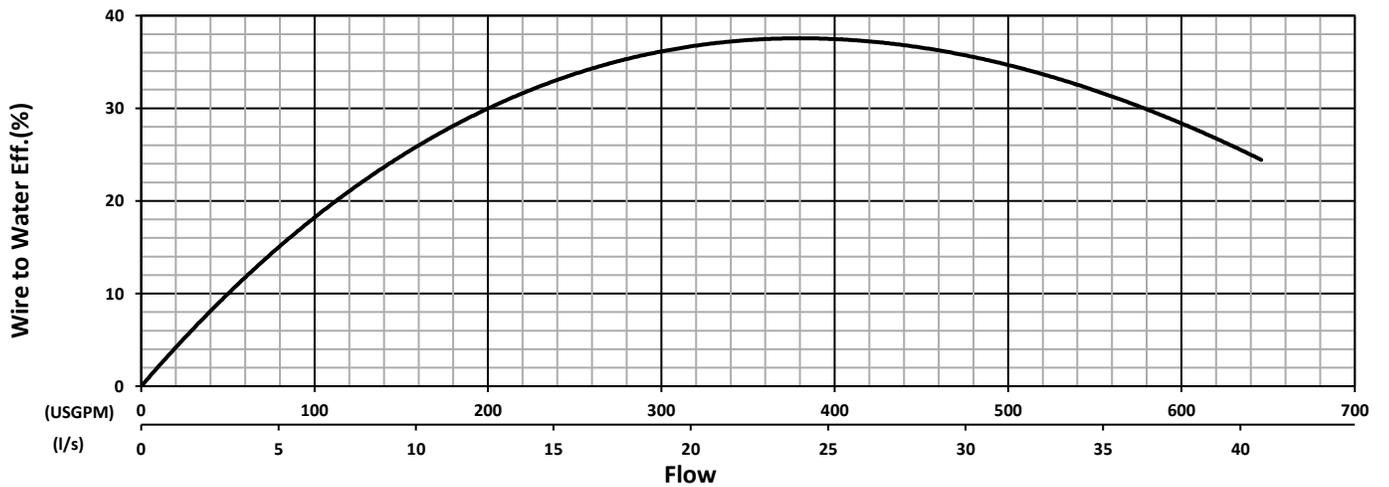
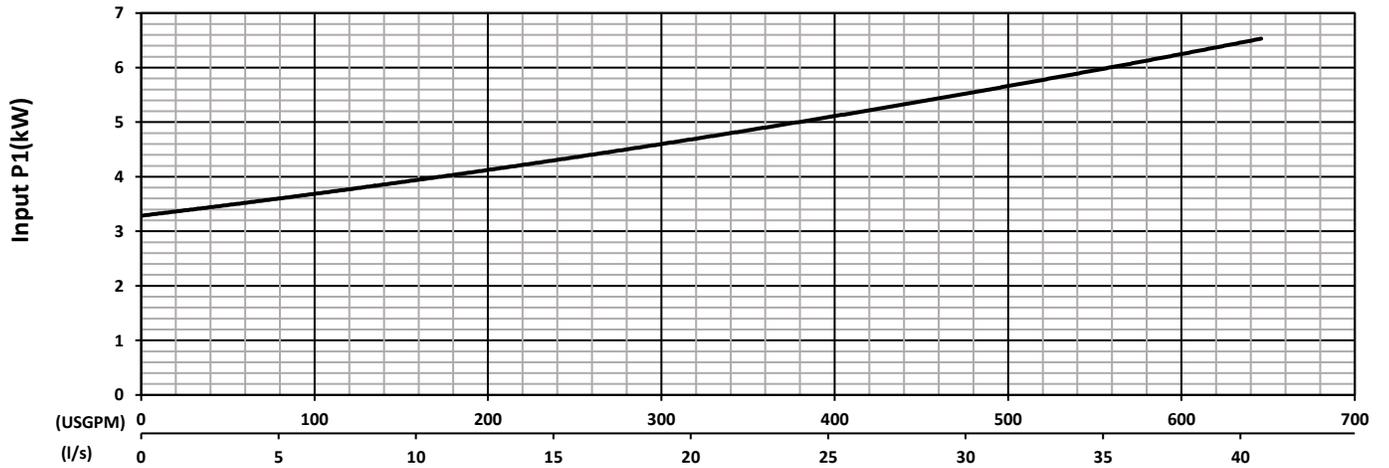
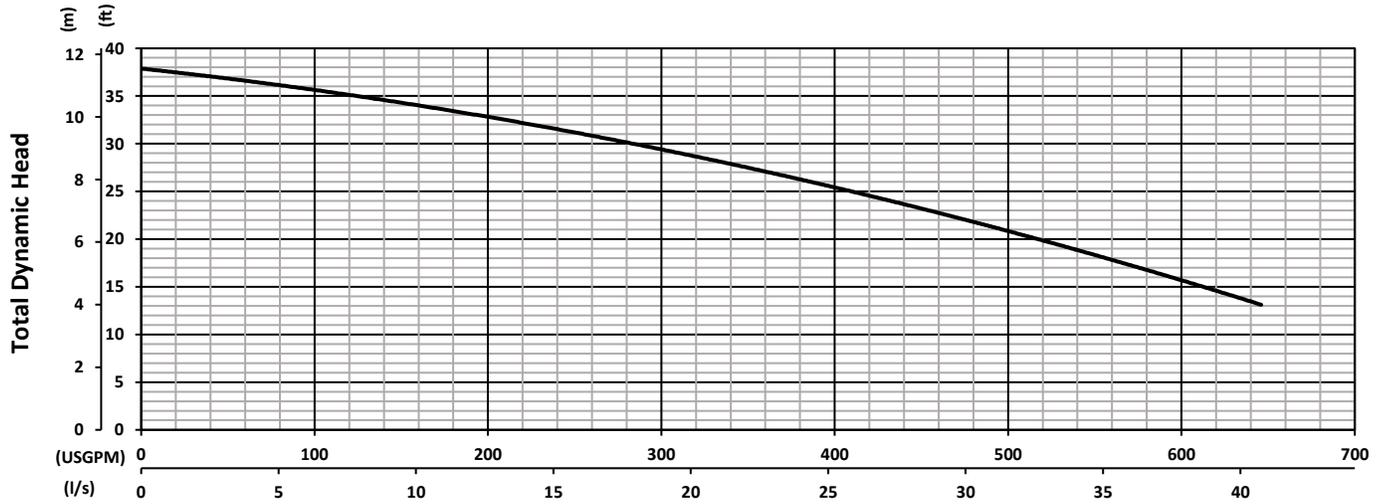
DS-C32-007

Rev:

1

Date:

8/6/2025



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

55CF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 175mm

Specifications subject to change without notice