

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® SV55C		
	Dwg:	DS-C31-016	Rev:	1	Date:	7/8/2025

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	BUNA-N
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: PERM. LUBE. UPPER	6305
BALL BEARING: PERM. LUBE. LOWER	6307 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE , (CONTINUOUS DUTY ³)		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	F		
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) SOOW		
SENSOR CABLE: (OPTIONAL ²) GAGE-LENGTH	AWG 18/2, 33' (10m) SOOW		
MOTOR PROTECTION	THERMAL & AMP. OVERLOAD		
SEAL LEAK DETECTOR (OPTIONAL ²)	Seal Minder® MOISTURE SENSING PROBE		
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)		

1 - Available in other voltages for 50Hz

2 - Requires a seal fail circuit in control panel for warning signal

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® SV55C

Dwg:

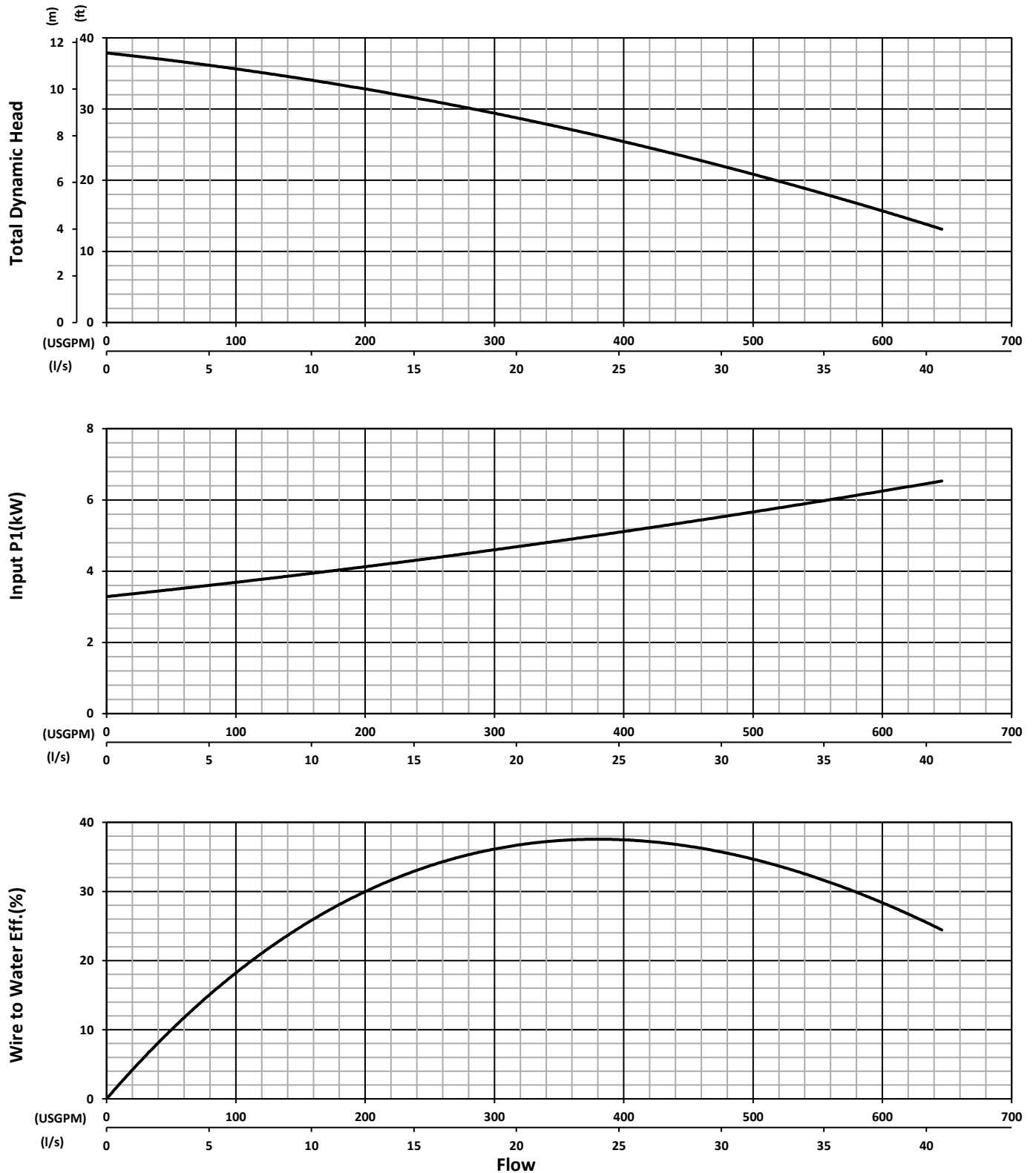
DS-C31-007

Rev:

1

Date:

8/5/2025



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

55C - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
175mm

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