

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® S55CF		
	Dwg:	DS-C24-005	Rev:	1	Date:	8/13/2025

GENERAL DATA

MAX. FLOW:	386 GPM (1461.1 L/min)
MAX. HEAD:	75' (22.8m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	OPEN VANE NON CLOG
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	19.02" (483 mm)
SOLID SIZE:	2.5" (64 mm)
IMPELLER DIAMETER:	5.4" (137 mm)
DISCHARGE SIZE	4" NPT-FEMALE
SLIDE RAIL SYSTEM	4"
PUMP WEIGHT (without cable):	194 lbs (88.2 kg)
SHIPPING WEIGHT:	248 lbs (112.3 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	6305
BALL BEARING: OIL LUBRICATED LOWER	6207 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)			
MOTOR RPM	3450			
MOTOR INSULATION CLASS	R, 428°F (220°C)			
MOTOR SERVICE FACTOR	1.1			
VOLTAGE - 60Hz ¹	208V	230V	460V	575V
CURRENT F.L.A.	23.1	21	10.5	7.6
LOCKED ROTOR CURRENT (LRA)	139	126	63	47
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	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® S55CF

Dwg:

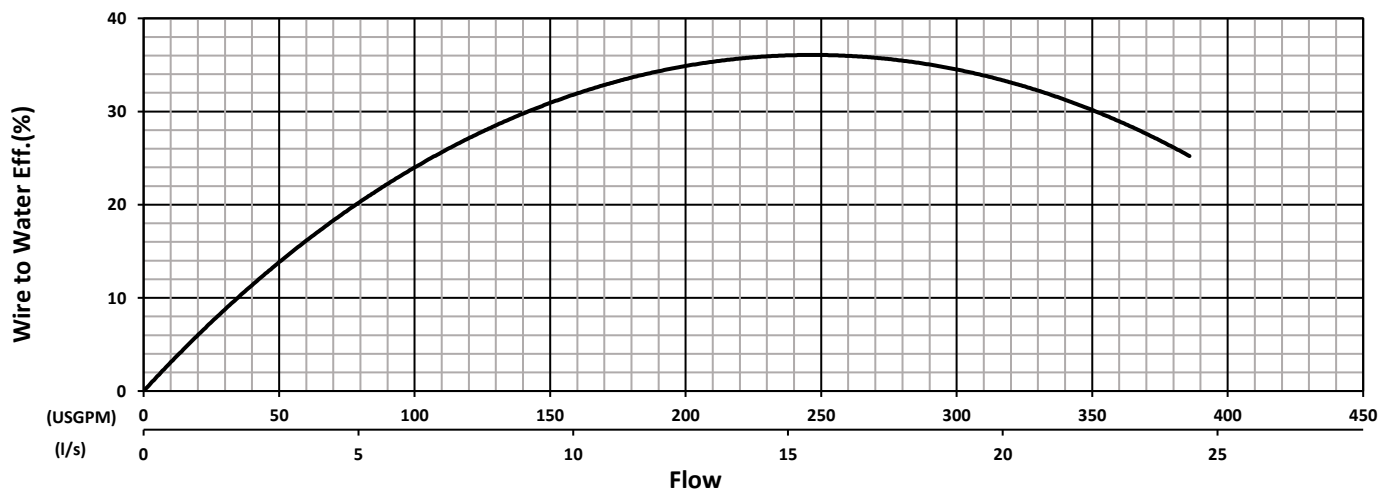
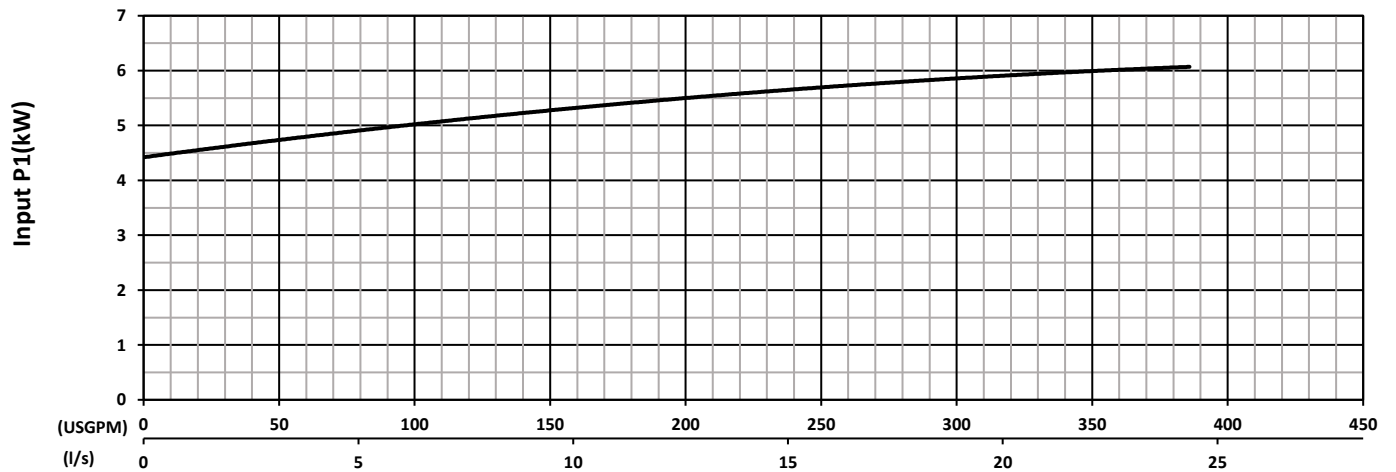
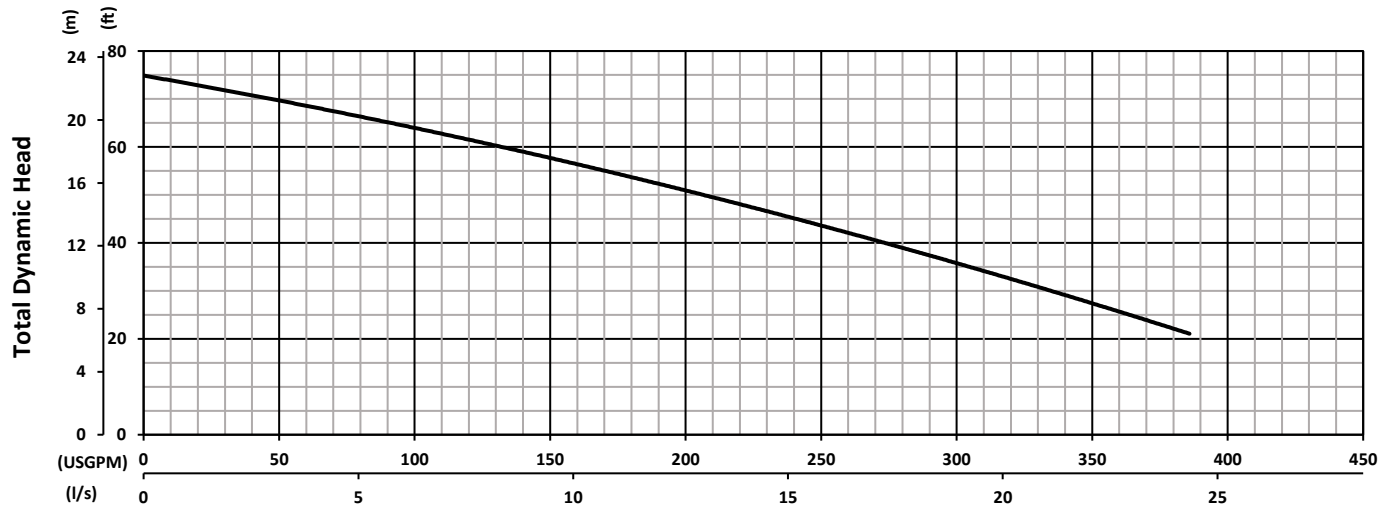
DS-C24-004

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1

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6/20/2025



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

S55CF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 137mm

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