

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® SX08CSSF		
	Dwg:	DS-C34-010	Rev:	1	Date:	8/13/2025

GENERAL DATA

MAX. FLOW:	85 GPM (321.7 L/min)
MAX. HEAD:	53' (16.1m)
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	11.03" (280 mm)
SOLID SIZE:	2" (50 mm)
IMPELLER DIAMETER:	4.34" (110 mm)
DISCHARGE SIZE	2" NPT-MALE
SLIDE RAIL SYSTEM	2"
PUMP WEIGHT (without cable):	60 lbs (27.3 kg)
SHIPPING WEIGHT:	69 lbs (31.4 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/SILICON CARBIDE, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	316 SS
PUMP VOLUTE	316 SS
IMPELLER	316 SS
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 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 - 60Hz ¹	208V	230V	460V	575V
CURRENT F.L.A.	3.5	3.2	1.6	1.3
LOCKED ROTOR CURRENT (LRA)	18.15	18	9	8
POWER CABLE: GAGE-LENGTH	AWG 16/4, 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® SX08CSSF

Dwg:

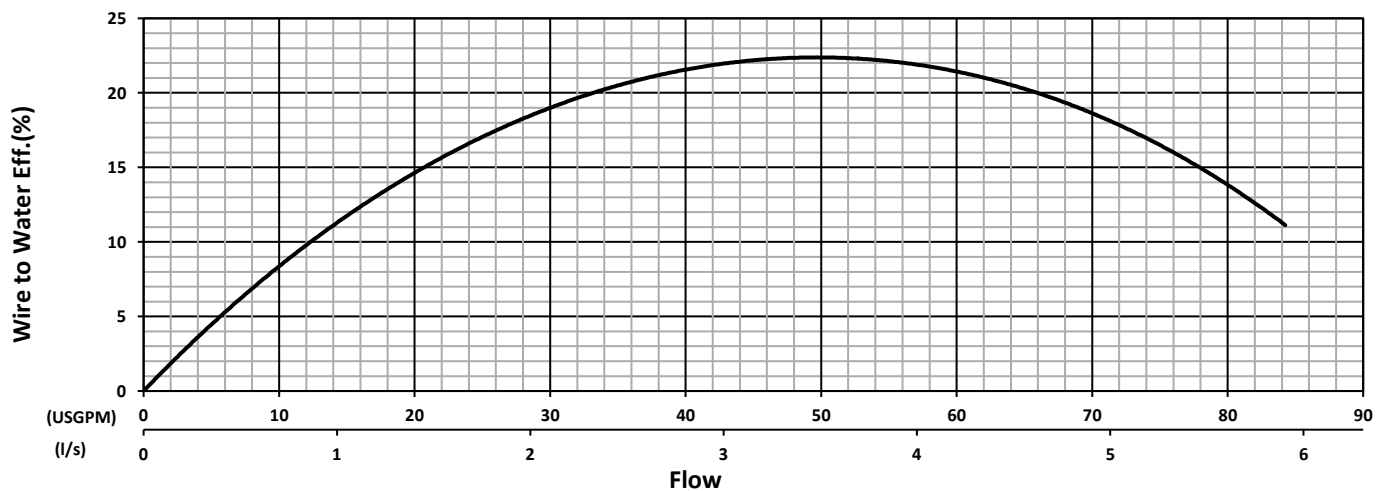
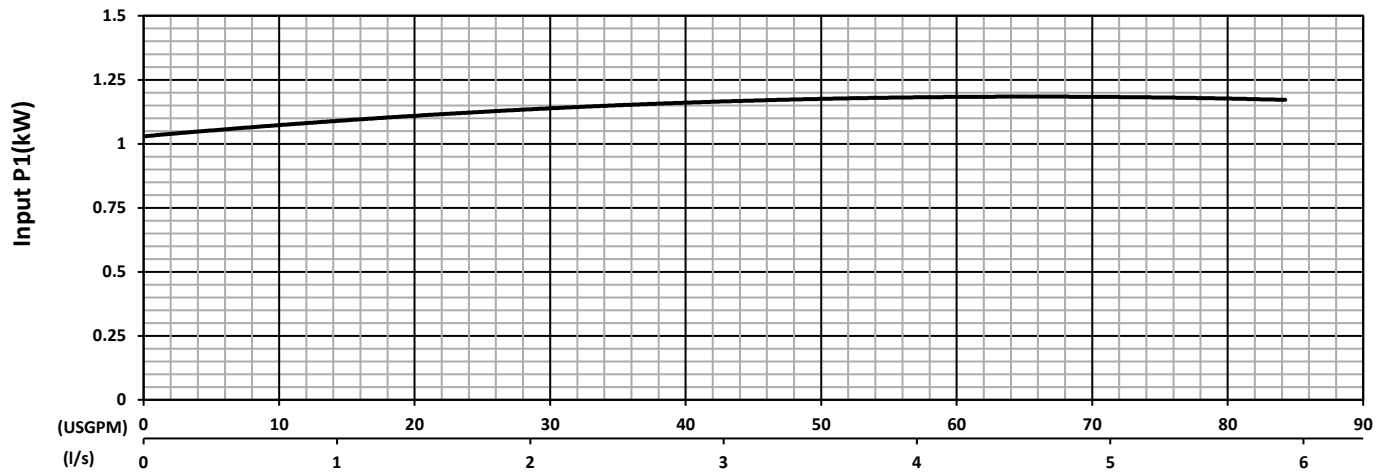
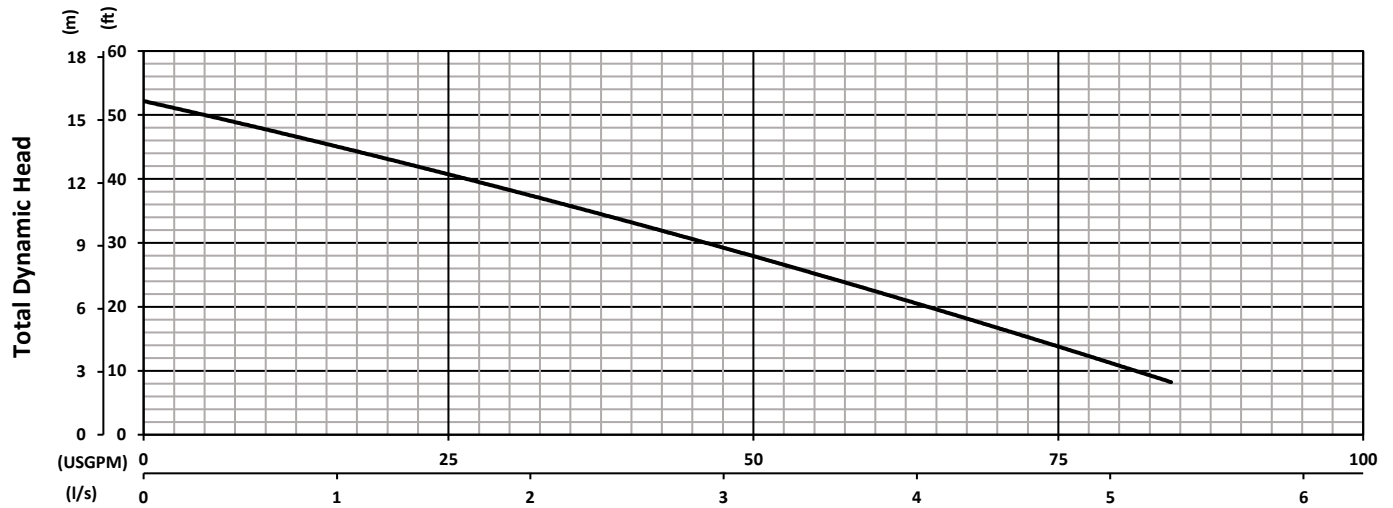
DS-C34-008

Rev:

1

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7/1/2025



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

08CSSF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 110mm

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