

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® SX75CSSF		
	Dwg:	DS-C34-013	Rev:	1	Date:	8/13/2025

GENERAL DATA

MAX. FLOW:	502 GPM (1900.2 L/min)
MAX. HEAD:	105' (32m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	OPEN VANE NON CLOG HIGH TEMPERATURE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	30.24" (768 mm)
SOLID SIZE:	2.5" (64 mm)
IMPELLER DIAMETER:	6.19" (157 mm)
DISCHARGE SIZE	4" NPT-FEMALE
SLIDE RAIL SYSTEM	4"
PUMP WEIGHT (without cable):	228 lbs (103.2 kg)
SHIPPING WEIGHT:	281 lbs (127.3 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, 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	6305
BALL BEARING: OIL LUBRICATED LOWER	6307 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	10, 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	460V	575V
CURRENT F.L.A.	15	10.5
LOCKED ROTOR CURRENT (LRA)	108	65
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® SX75CSSF

Dwg:

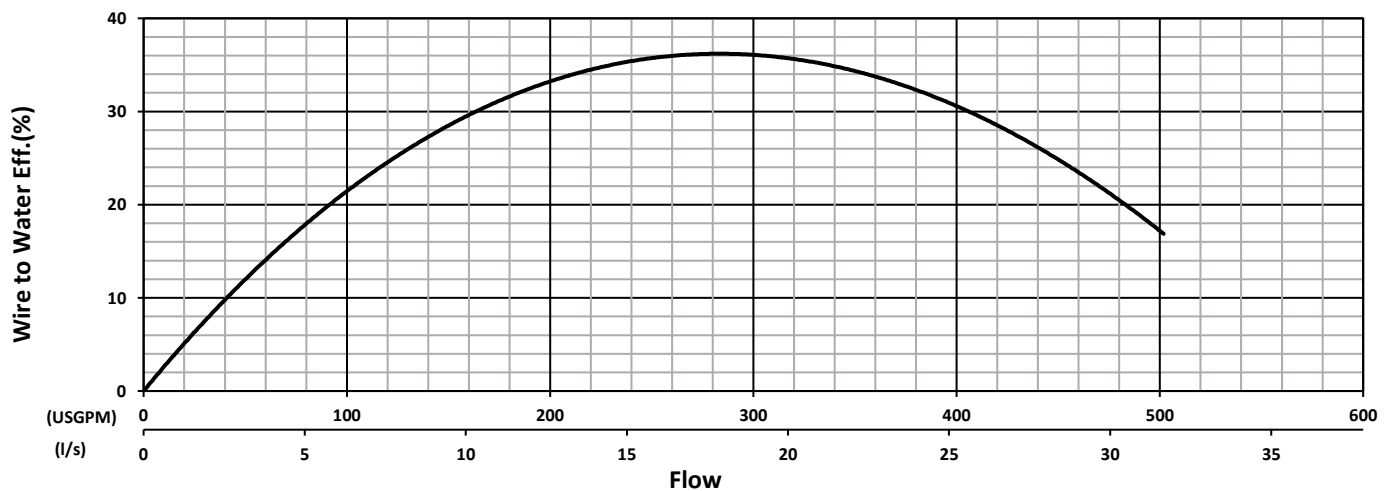
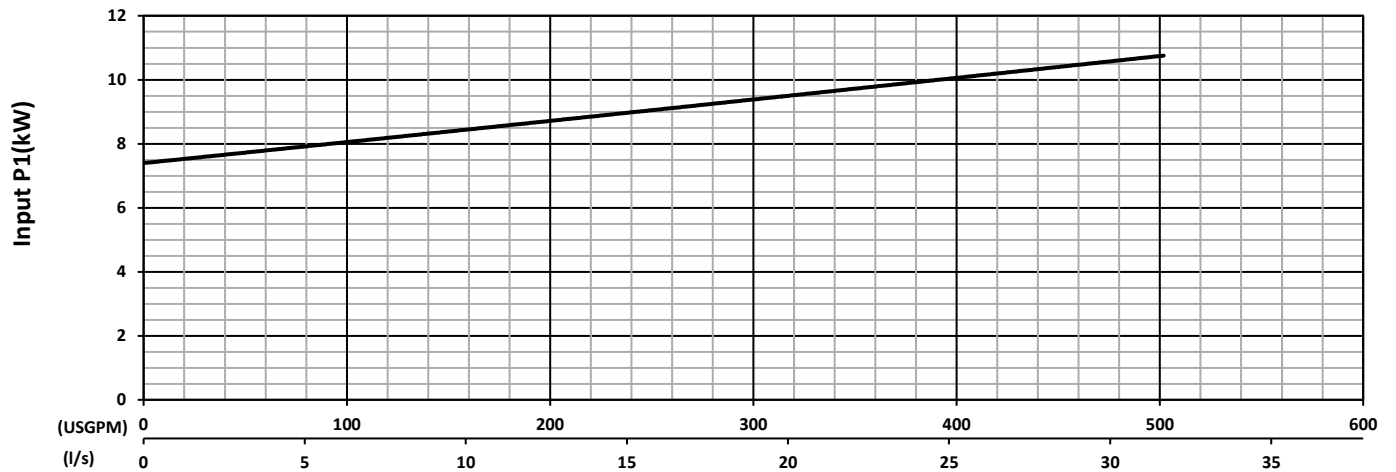
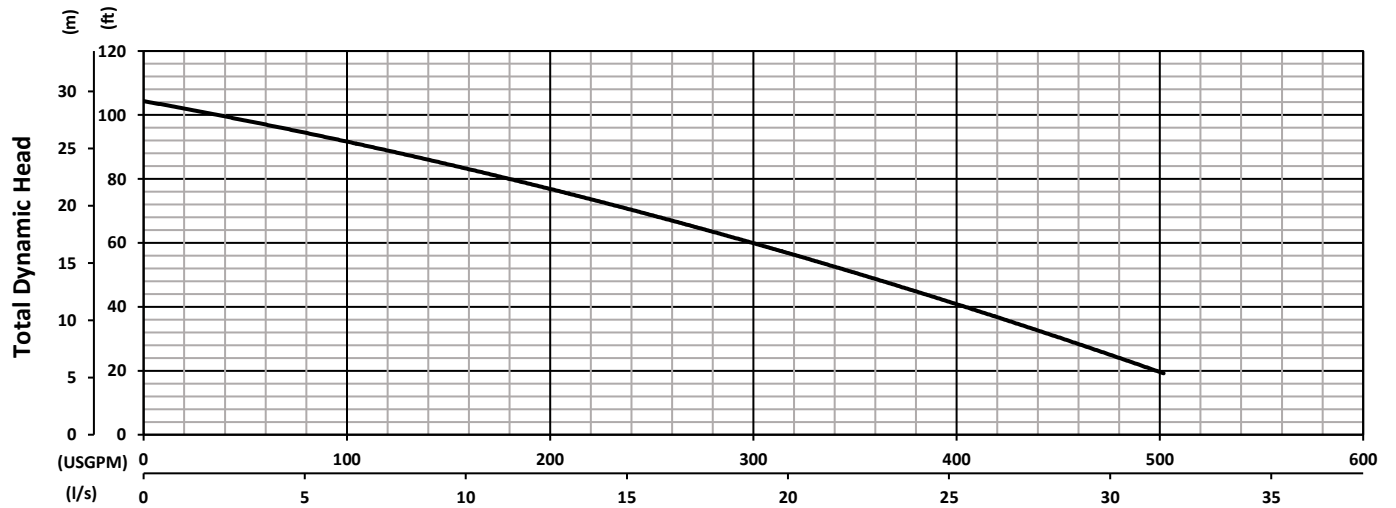
DS-C34-007

Rev:

1

Date:

6/20/2025



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

75CSSF - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 137mm

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