



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® SKX55CSSF

Dwg:

DS-C30-022

Rev:

1

Date:

8/29/2025

GENERAL DATA

MAX. FLOW:	611 GPM (2312.9 LPM)
MAX. HEAD:	51' (15.5m)
MAX. SUBMERSION DEPTH:	65' (20 m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE:	SOLIDS HANDLING, NON-CLOG SHREDDER, HIGH TEMP
MINIMUM SUBMERSION DEPTH FOR CONT. DUTY ³ :	21" (533.4 mm)
SOLID SIZE:	3.5" (88.9 mm)
IMPELLER DIAMETER:	7.24" (184 mm)
DISCHARGE SIZE:	4" NPT-FEMALE
SLIDE RAIL SYSTEM	4" STAINLESS STEEL
PUMP WEIGHT (without cable):	321.9 lbs (146 kg)
SHIPPING WEIGHT:	399 lbs (181 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
SUCTION COVER	316 SS
IMPELLER	316 SS
IMPELLER SHREDDER BLADE	TUNGSTEN CARBIDE
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
BEARING, OIL LUBRICATED, UPPER:	6306
BEARING, OIL LUBRICATED, LOWER:	6309

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY ³)			
MOTOR RPM	1750			
MOTOR INSULATION CLASS	R, 428°F (220°C)			
MOTOR SERVICE FACTOR	1.1			
VOLTAGE - 3PH - 60Hz ¹	208V	230V	460V	575V
CURRENT F.L.A.	23.1	21	10.5	7.8
LOCKED ROTOR CURRENT (LRA)	143	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	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)			
SEAL LEAK DETECTOR ²	Seal Minder® MOISTURE SENSING PROBE			
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)			

1 - Available in other voltages for 50Hz

2 - Requires seal fail and thermal circuit in control panel for warranty validity.

3 - Continuous duty motor - see minimum submersion depth above.

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INDUSTRIAL
FLOW
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PERFORMANCE CURVE

BJM Pumps® SKX55CSSF

Dwg:

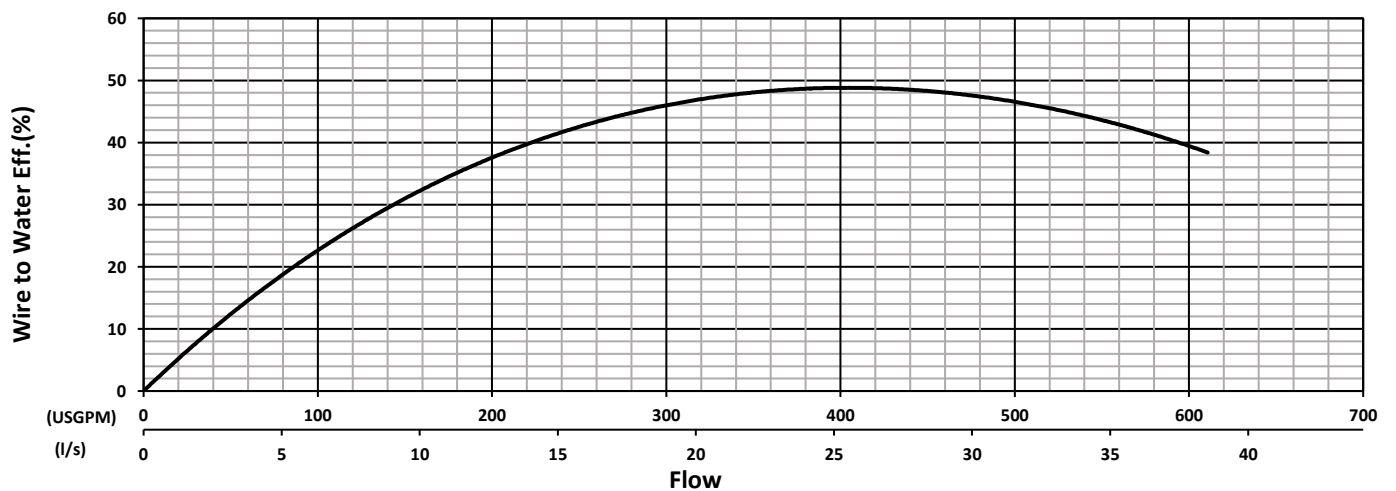
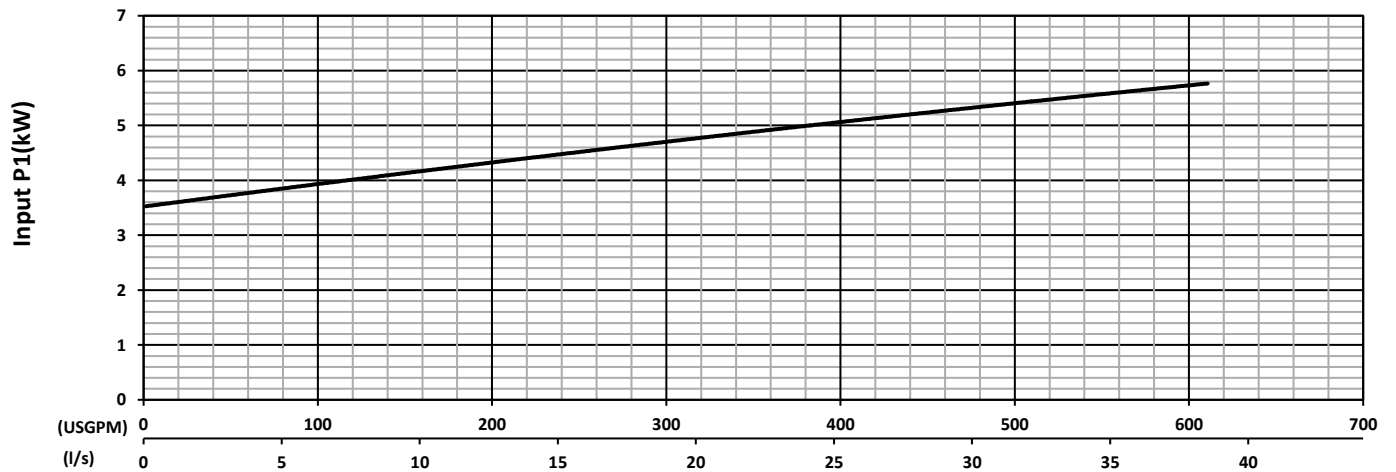
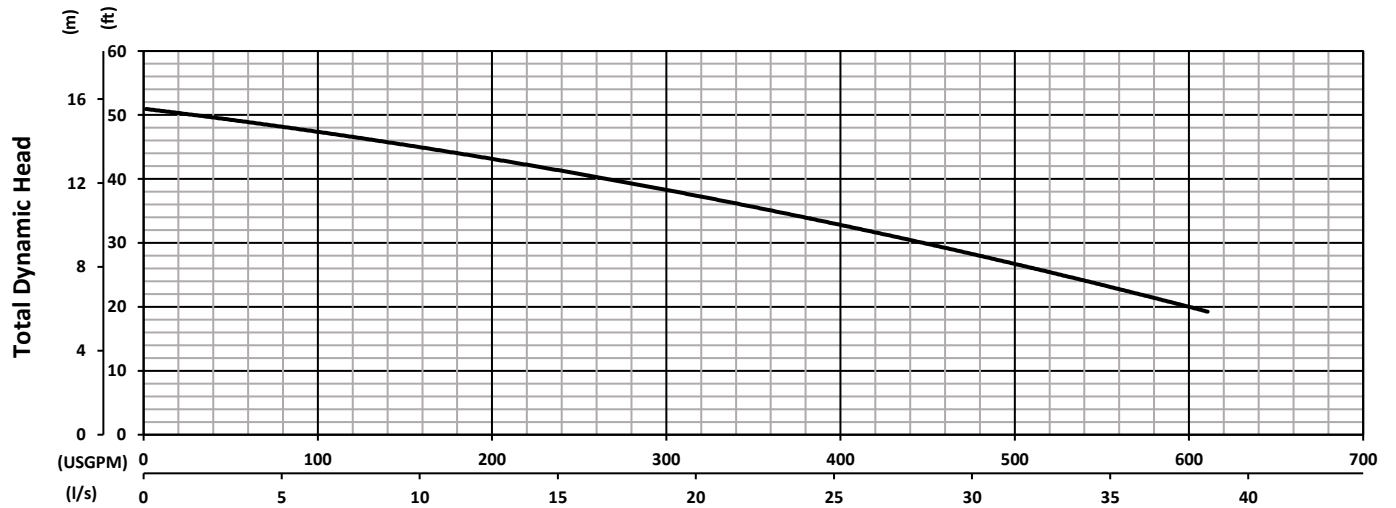
DS-C30-009

Rev:

1

Date:

6/20/2025



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

55CSSF - Dual Units

Frequency 60 Hz
Pump Speed 1750 RPM
Impeller 184mm

Specifications subject to change without notice