



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® XP-SKX55CSS

Dwg:

DS-C40-012

Rev:

1

Date:

9/2/2025

GENERAL DATA

APPROVALS:	EXPLOSION PROOF FM APPROVED CLASS1, DIVISION 1, GROUP C & D	
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	
MINIMUM SUBMERSION DEPTH FOR CONT. DUTY ² :	43.5" (1104.9 mm)	
SOLID SIZE:	3.5" (89 mm)	
IMPELLER DIAMETER:	7.24" (184 mm)	
DISCHARGE SIZE:	4" NPT-FEMALE	
SLIDE RAIL SYSTEM	4" NON-SPARKING	
PUMP WEIGHT (without cable):	375 lbs (170 kg)	
SHIPPING WEIGHT:	392 lbs (178 kg)	

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	CAST IRON, EPOXY COATED
PUMP VOLUTE	316 SS
SUCTION COVER	316 SS
IMPELLER	316 SS
IMPELLER SHREDDER BLADE	TUNGSTEN CARBIDE
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	403SS
EXTERNAL HARDWARE	304 SS
BEARING, PERM. LUBRICATED, UPPER:	6306ZZC3
BEARING, PERM. LUBRICATED, LOWER:	7308BDB

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE, (CONTINUOUS DUTY ²)			
MOTOR RPM	3450			
MOTOR INSULATION CLASS	F			
MOTOR SERVICE FACTOR	1.15			
VOLTAGE - 3PH - 60Hz	208V	230V	460V	575V
CURRENT F.L.A.	21	19.4	9.7	7.8
LOCKED ROTOR CURRENT (LRA)	131	126	63	51.5
POWER CABLE: GAGE-LENGTH	AWG 10/4, 50' (15m) SOOW		AWG 14/4, 50' (15m) SOOW	
SENSOR CABLE: ¹ GAGE-LENGTH	AWG 14/4, 50' (15m) SOOW			
MOTOR PROTECTION	TWO NORMALLY CLOSED THERMOSTATS			
SEAL LEAK DETECTOR ¹	SINGLE ELECTRODE LEAKAGE DETECTOR			
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)			

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

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

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Industrial Flow Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA

(860) 631-3618 • www.flowsolutions.com



INDUSTRIAL
FLOW
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PERFORMANCE CURVE

BJM Pumps® XP-SKX55CSS

Dwg:

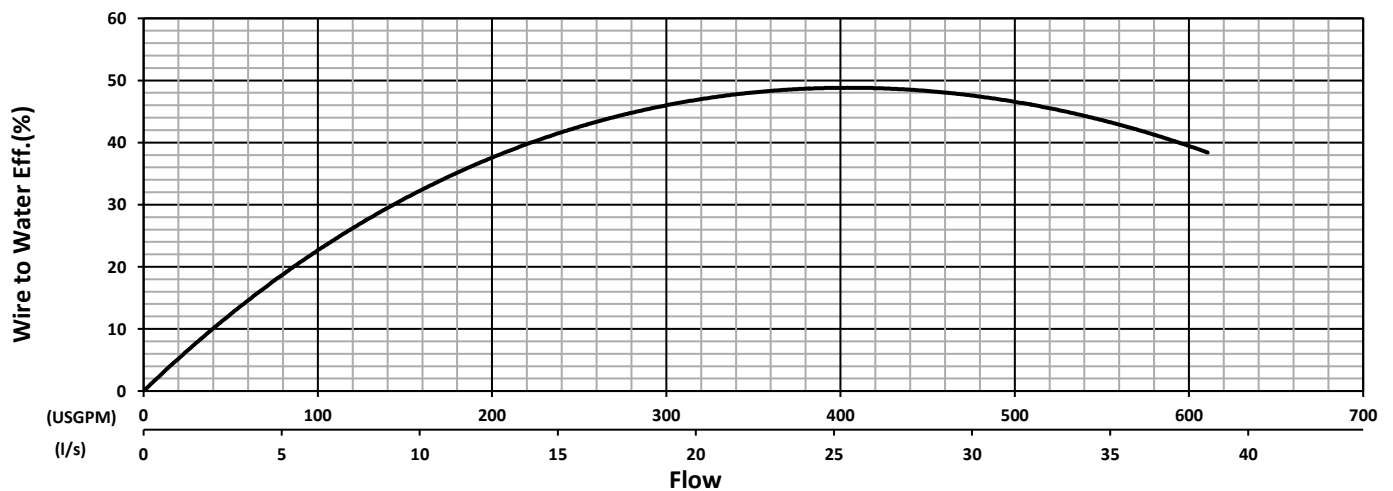
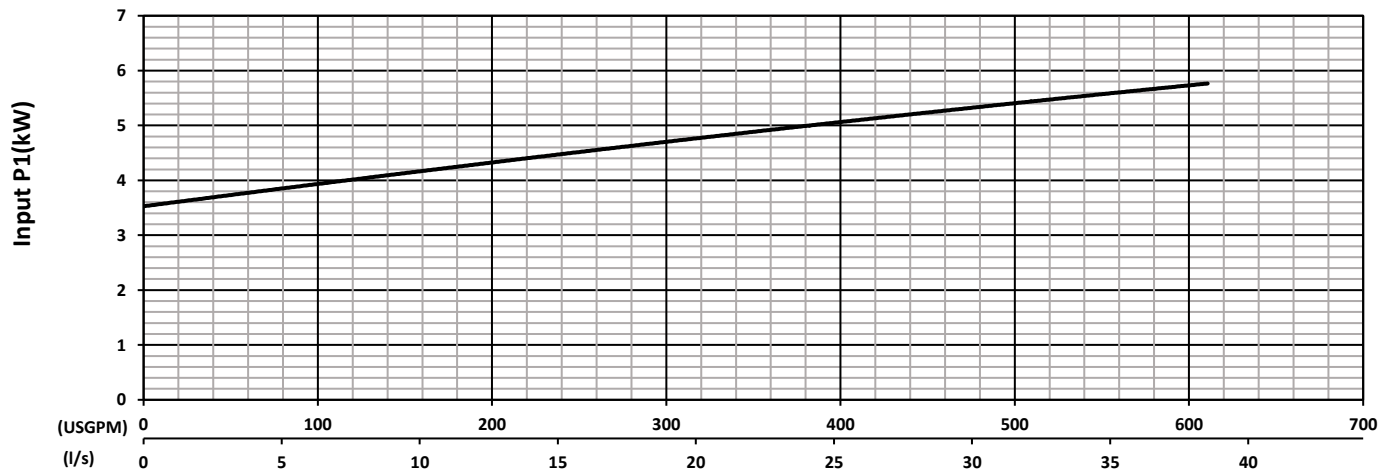
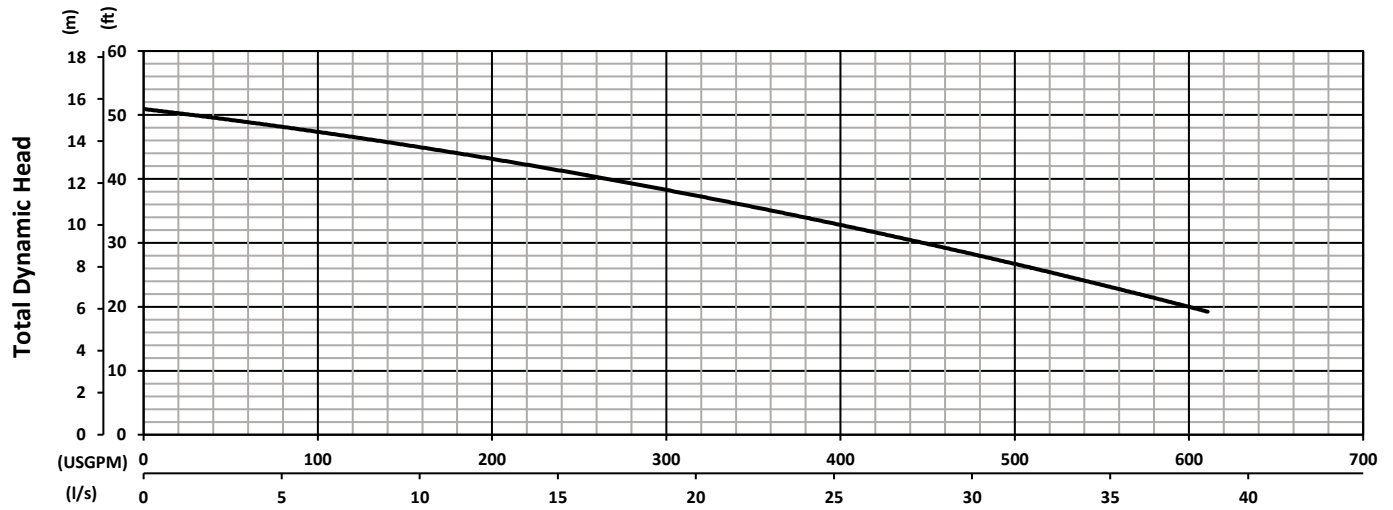
DS-C40-004

Rev:

1

Date:

6/20/2025



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

55CSS - Dual Units

Frequency 60 Hz
Pump Speed 1750 RPM
Impeller 184mm

Specifications subject to change without notice