



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® XP-SKX75CSS

Dwg:

DS-C40-013

Rev:

1

Date:

9/2/2025

GENERAL DATA

APPROVALS:	EXPLOSION PROOF FM APPROVED CLASS1, DIVISION 1, GROUP C & D	
MAX. FLOW:	689 GPM (2608.1 LPM)	
MAX. HEAD:	62' (18.9m)	
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:	7.87" (200 mm)	
DISCHARGE SIZE:	4" NPT-FEMALE	
SLIDE RAIL SYSTEM	4" NON-SPARKING	
PUMP WEIGHT (without cable):	395 lbs (179 kg)	
SHIPPING WEIGHT:	412 lbs (187 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	10, SUBMERSIBLE, (CONTINUOUS DUTY ²)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	F	
MOTOR SERVICE FACTOR	1.15	
VOLTAGE - 3PH - 60Hz	460V	575V
CURRENT F.L.A.	12.6	10
LOCKED ROTOR CURRENT (LRA)	83	64
POWER CABLE: GAGE-LENGTH	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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PERFORMANCE CURVE

BJM Pumps® XP-SKX75CSS

Dwg:

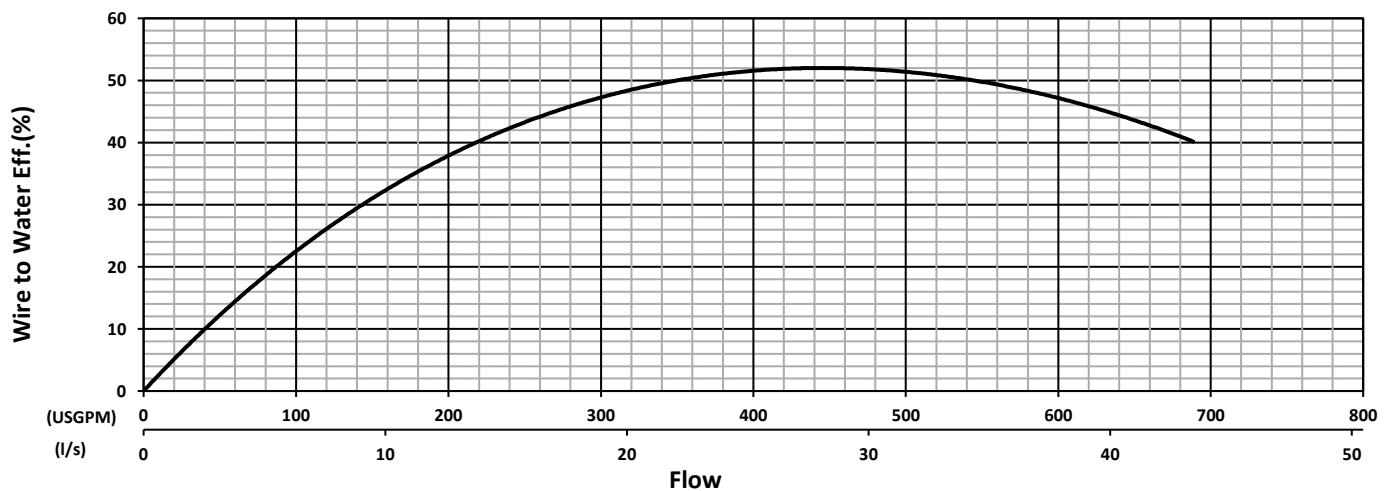
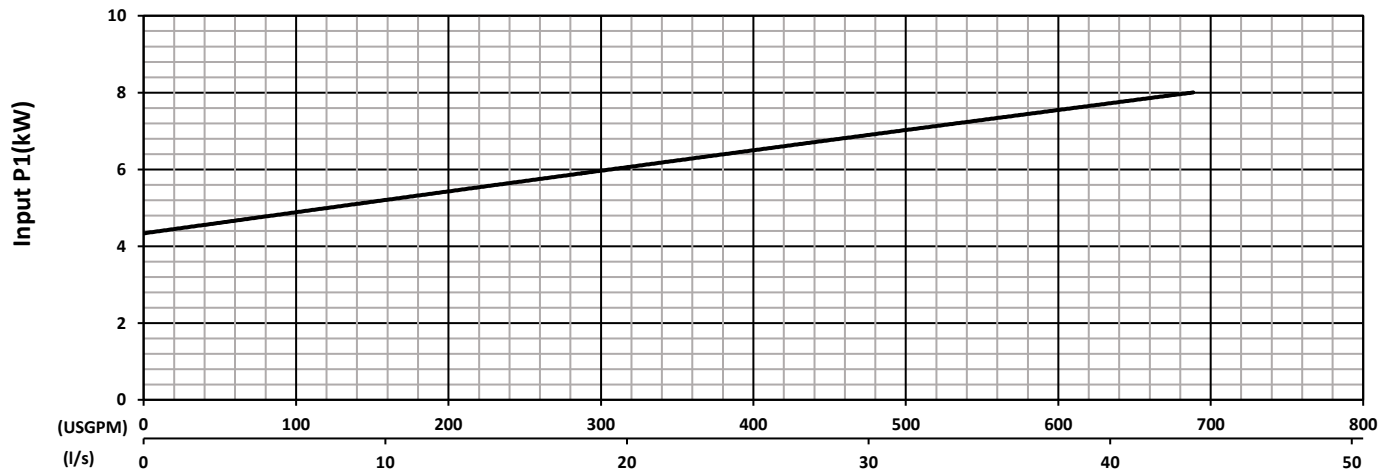
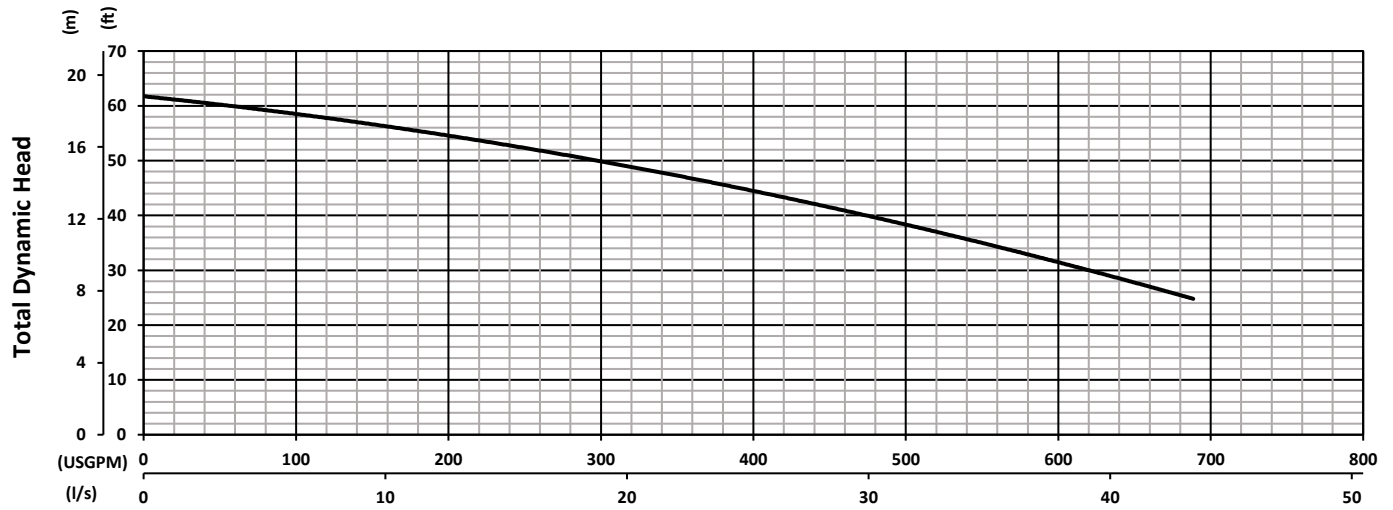
DS-C40-007

Rev:

1

Date:

6/20/2025



Flow

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

75CSS - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
200mm

Specifications subject to change without notice