



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® XP-SK37C

Dwg:

DS-C38-003

Rev:

3

Date:

8/28/2025

GENERAL DATA

APPROVALS:	EXPLOSION PROOF FM APPROVED CLASS1, DIVISION 1, GROUP C & D	
MAX. FLOW:	330 GPM (1249.2 LPM)	
MAX. HEAD:	71' (21.6m)	
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 :	31" (787.4 mm)	
SOLID SIZE:	1.6" (40.6 mm)	
IMPELLER DIAMETER:	4.88" (124 mm)	
DISCHARGE SIZE:	3" NPT-MALE	
SLIDE RAIL SYSTEM	3" NON-SPARKING	
PUMP WEIGHT (without cable):	168 lbs (76 kg)	
SHIPPING WEIGHT:	179 lbs (81 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	CAST IRON
SUCTION COVER	DUCTILE IRON
IMPELLER	DUCTILE IRON
IMPELLER SHREDDER BLADE	TUNGSTEN CARBIDE
LIP SEAL & O-RINGS	BUNA-N
ROTOR SHAFT	403SS
EXTERNAL HARDWARE	304 SS
BEARING, PERM. LUBRICATED, UPPER:	6305ZZC3
BEARING, PERM. LUBRICATED, LOWER:	6307ZZC3

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	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.	15	13.9	7	5.6
LOCKED ROTOR CURRENT (LRA)	68	76	38	31
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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PERFORMANCE CURVE

BJM Pumps® XP-SK37C

Dwg:

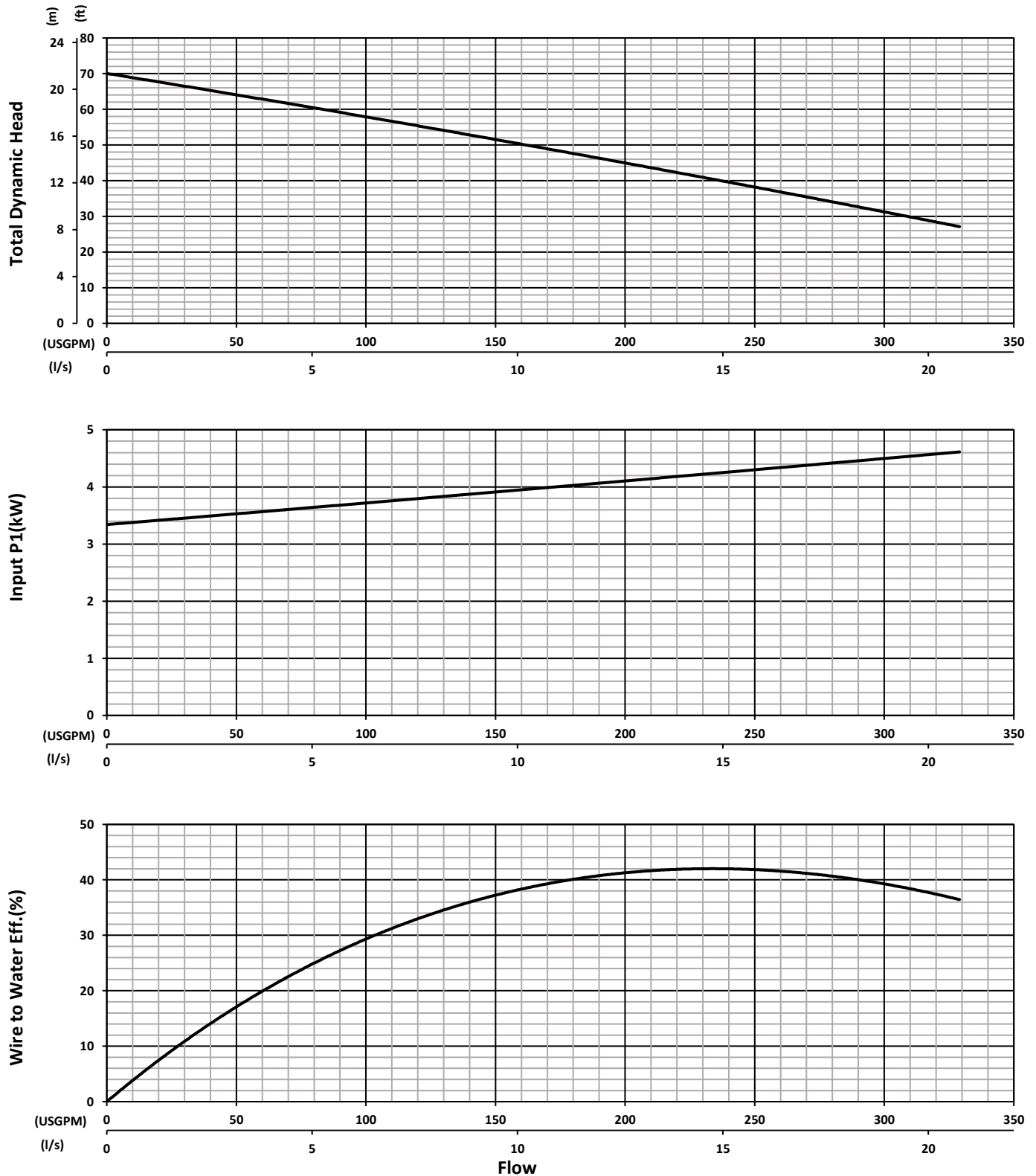
DS-C38-011

Rev:

1

Date:

6/24/2025



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

37C - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 124mm

Specifications subject to change without notice