



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® JX55CHSSF

Dwg:

DS-C09-010

Rev:

1

Date:

9/8/2025

GENERAL DATA

APPROVALS:	CSA APPROVAL (AVAILABLE UPON REQUEST)	
MAX. FLOW:	286 GPM (1082.6 LPM)	
MAX. HEAD:	98' (29.9m)	
MAX. SUBMERSION DEPTH:	65' (20 m) or limited to length of power cord, Consult factory for deeper depths	
PUMP TYPE:	DEWATERING, SIDE DISCHARGE, HIGH TEMP	
MINIMUM SUBMERSION DEPTH FOR CONT. DUTY ³ :	16" (406.4 mm)	
PUMP DOWN WATER LEVEL:	8" (203.2 mm)	
SOLID SIZE:	0.37" (9.5 mm)	
STRAINER OPENING:	0.37" (9.5 mm)	
IMPELLER DIAMETER:	5.79" (147 mm)	
DISCHARGE SIZE:	3" NPT-FEMALE	
SLIDE RAIL SYSTEM	4" STAINLESS STEEL	
PUMP WEIGHT (without cable):	184 lbs (83.5 kg)	
SHIPPING WEIGHT:	227 lbs (103 kg)	

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR CASING	316 SS
IMPELLER & VOLUTE	316 SS
STRAINER	316 SS
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
BEARING, OIL LUBRICATED, UPPER:	6305
BEARING, OIL LUBRICATED, LOWER:	6207 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	7.5, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY ³)		
MOTOR RPM	3450		
MOTOR INSULATION CLASS	R, 428°F (220°C)		
MOTOR SERVICE FACTOR	1.1		
VOLTAGE - 3PH - 60Hz ¹	230V	460V	575V
CURRENT F.L.A.	21	10.5	7.6
LOCKED ROTOR CURRENT (LRA)	126	63	47
STANDARD POWER CABLE: GAGE-LENGTH	AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE		
CSA RATED POWER CABLE: GAGE-LENGTH	AWG 4/4, 50' (15m) SEOOW	AWG 10/4, 50' (15m) SEOOW	
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 seal fail and thermal circuit in control panel for warranty validity.

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

©2025 Industrial Flow Solutions Operating, LLC. All rights reserved.

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

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



INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® JX55CHSSF

Dwg:

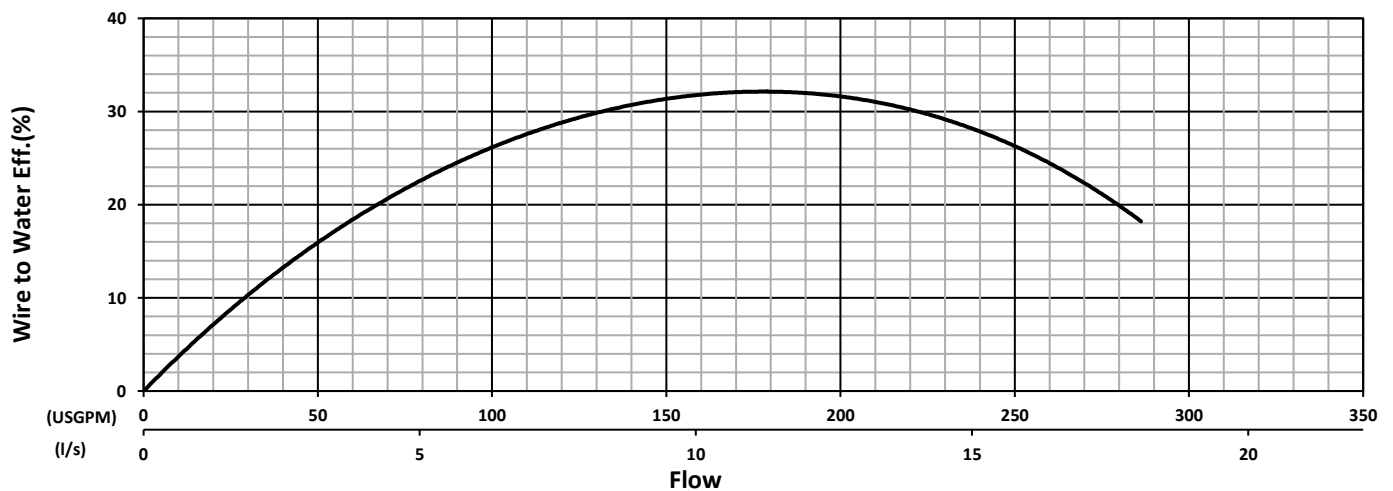
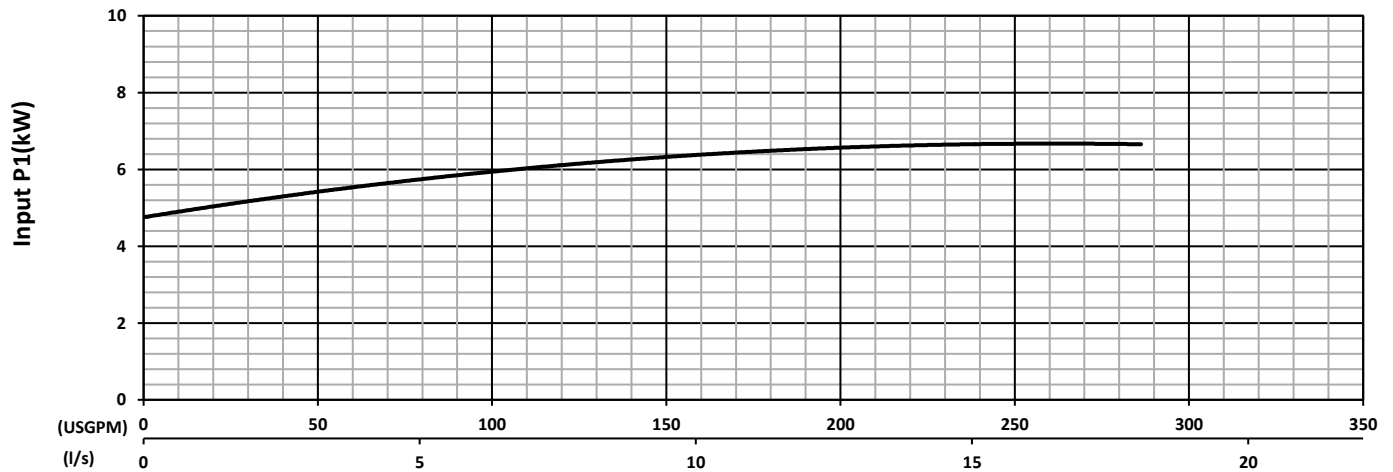
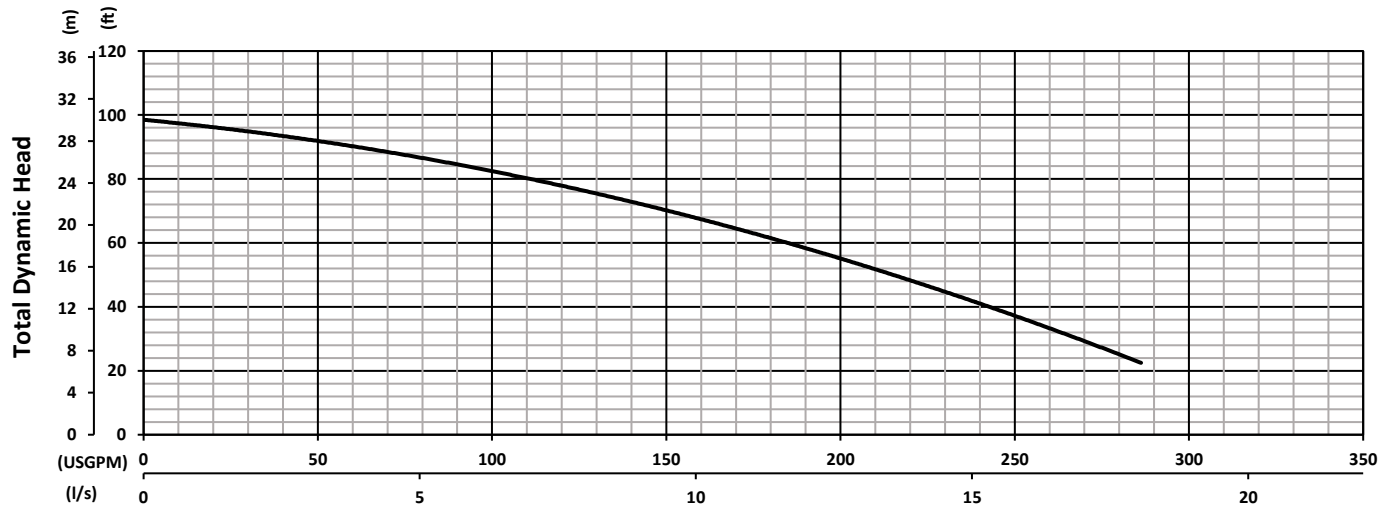
DS-C09-005

Rev:

1

Date:

6/20/2025



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

55CHSSF - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
147mm

Specifications subject to change without notice