



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® KB110HF

Dwg:	DS-C11-009	Rev:	1	Date:	8/18/2025
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GENERAL DATA

MAX. FLOW:	349 GPM (1321.1 L/min)
MAX. HEAD:	171' (52.1m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	HIGH TEMP. DEWATERING/MILD SLURRY TOP DISCHARGE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	30" (762 mm)
PUMP DOWN WATER LEVEL:	8.12" (206 mm)
SOLID SIZE:	0.4" (10 mm)
IMPELLER DIAMETER:	7.1" (181 mm)
DISCHARGE SIZE	4" NPT-MALE
PUMP WEIGHT (without cable):	331 lbs (150 kg)
SHIPPING WEIGHT:	428 lbs (194 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	CAST IRON
PUMP VOLUTE	DUCTILE IRON
WEAR PLATE	HI-CHROME
AGITATOR	HI-CHROME
IMPELLER	HI-CHROME
STAND	STEEL
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: OIL LUBRICATED UPPER	6306
BALL BEARING: OIL LUBRICATED LOWER	6309

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	15, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE - 60Hz ¹	460V	575V
CURRENT F.L.A.	18.7	13.7
LOCKED ROTOR CURRENT (LRA)	165	96
POWER CABLE: GAGE-LENGTH	AWG 8/4, 50' (15m) HIGH TEMP RATED CABLE	
SENSOR CABLE: ² GAGE-LENGTH	AWG 18/4, 50' (15m) 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 a thermal and seal fail circuit in control panel for warranty validity

3 - Continuous duty motor - see minimum submersion depth above

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® KB110HF

Dwg:

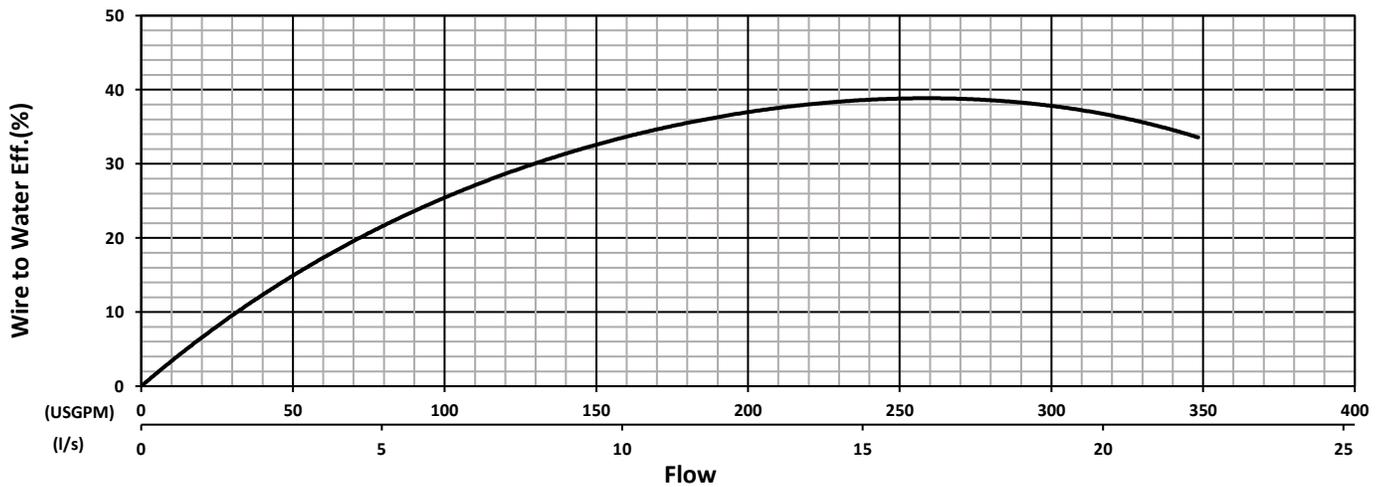
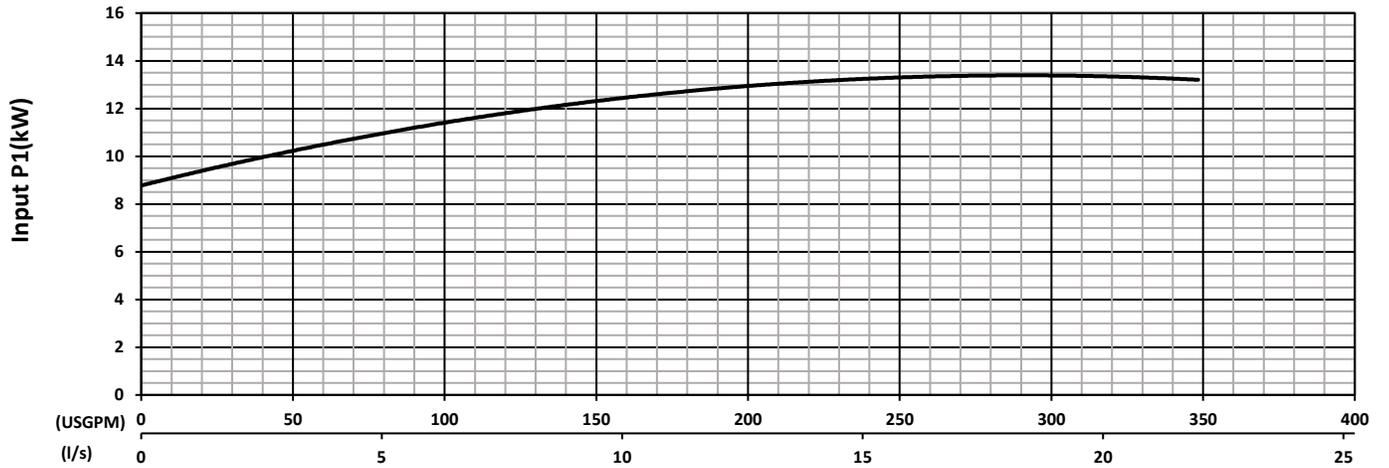
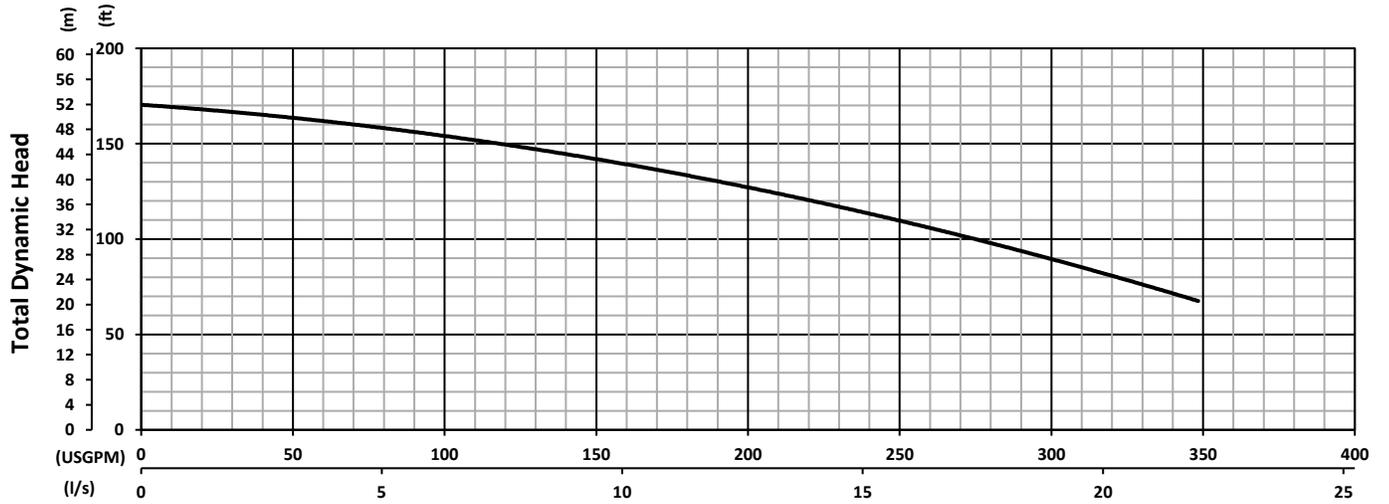
DS-C11-004

Rev:

1

Date:

6/20/2025



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

110HF - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	181mm

Specifications subject to change without notice