

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® KZN220F		
	Dwg:	DS-C16-011	Rev:	1	Date:	8/20/2025

GENERAL DATA

MAX. FLOW:	1240 GPM (4693.9 L/min)
MAX. HEAD:	102' (31m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	HIGH TEMPERATURE SLURRY HANDLING, TOP DISCHARGE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	53" (1326 mm)
PUMP DOWN WATER LEVEL:	16" (406 mm)
SOLID SIZE:	1.5" (38.1 mm)
STRAINER OPENING:	1.38" (34.9 mm)
IMPELLER DIAMETER:	11.66" (296 mm)
DISCHARGE SIZE	6" NPT-MALE (8" FLANGE OPTIONAL)
PUMP WEIGHT (without cable):	1146 lbs (520 kg)
SHIPPING WEIGHT:	1278 lbs (579.5 kg)

CONSTRUCTION / MATERIAL DATA

DUAL 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
STRAINER/STAND	STEEL
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	410 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: OIL LUBRICATED UPPER	6309
BALL BEARING: OIL LUBRICATED LOWER	6314 X2

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	30, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)	
MOTOR RPM	1750	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.2	
VOLTAGE - 60Hz ¹	460V	575V
CURRENT F.L.A.	39	30.2
LOCKED ROTOR CURRENT (LRA)	230	184
POWER CABLE: GAUGE-LENGTH	AWG 4/4, 50' (15m) HIGH TEMP RATED CABLE	
SENSOR CABLE: ² GAUGE-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 seal fail and thermal sensor 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® KZN220F

Dwg:

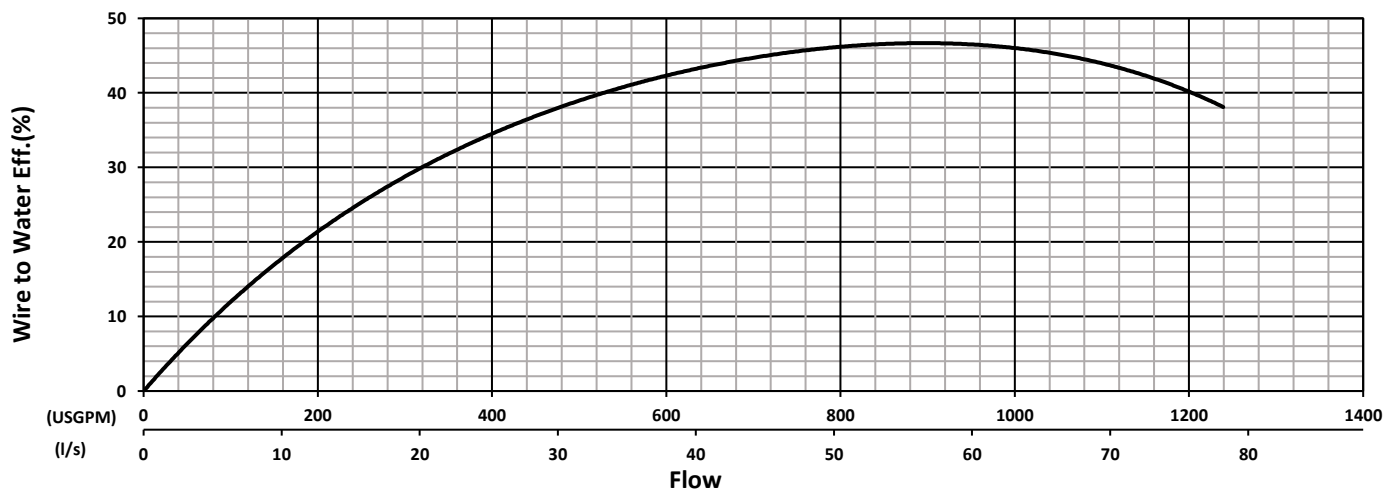
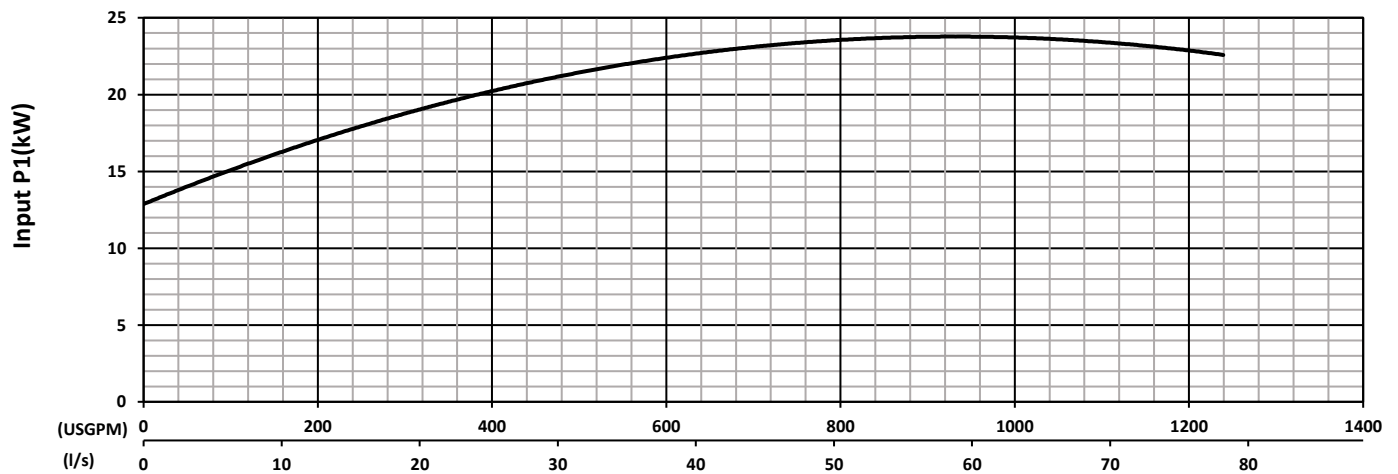
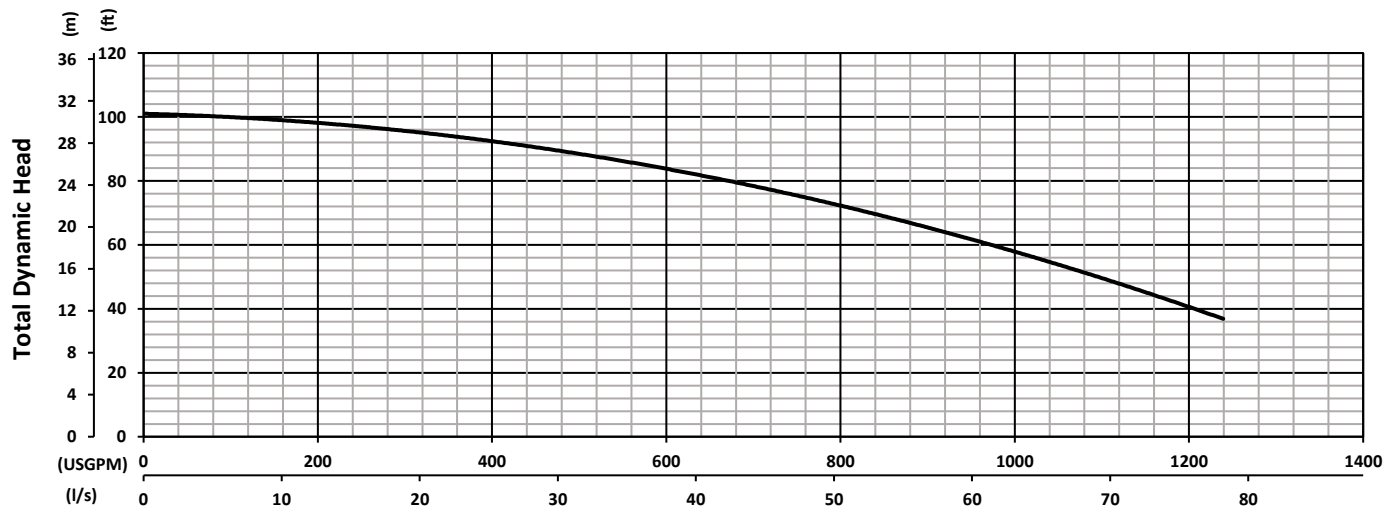
DS-C16-003

Rev:

1

Date:

6/12/2025



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

220F - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
296mm

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