



INDUSTRIAL  
FLOW  
SOLUTIONS™

## TECHNICAL DATA

**BJM Pumps® KZN220LRF**

<b>Dwg:</b>	DS-C18-010	<b>Rev:</b>	1	<b>Date:</b>	8/28/2025
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### GENERAL DATA

MAX. FLOW:	1691 GPM (6401.1 L/min)
MAX. HEAD:	77' (23.7m)
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 <sup>1</sup>	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:	10.24" (260 mm)
DISCHARGE SIZE	6" NPT-MALE
PUMP WEIGHT (without cable):	1152 lbs (522.7 kg)
SHIPPING WEIGHT:	1284 lbs (582.3 kg)

### CONSTRUCTION / MATERIAL DATA

DUAL MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	CAST IRON
PUMP VOLUTE	DUCTILE IRON WITH INTERIOR HARDNESS COATING TO 1180 DPH(Rc 71)
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 <sup>1</sup> )	
MOTOR RPM	1750	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.15	
VOLTAGE - 60Hz	460V	575V
CURRENT F.L.A.	39	30.2
LOCKED ROTOR CURRENT (LRA)	230	184
POWER CABLE: GAGE-LENGTH	AWG 4/4, 50' (15m) HIGH TEMP RATED CABLE	
SENSOR CABLE: <sup>2</sup> 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 <sup>2</sup>	Seal Minder® MOISTURE SENSING PROBE	
MAXIMUM LIQUID TEMPERATURE	200°F (93°C)	

1 - Continuous duty motor - see minimum submersion depth above

2 - Requires a seal fail and thermal circuit in control panel for warranty validity

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL FLOW SOLUTIONS™

# PERFORMANCE CURVE

## BJM Pumps® KZN220LRF

Dwg:

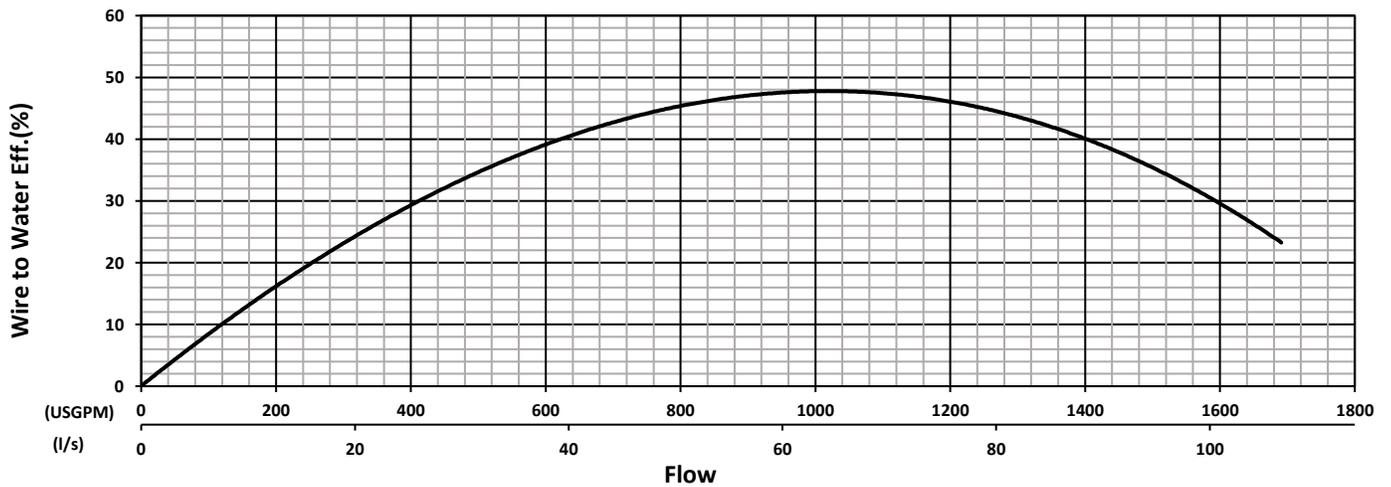
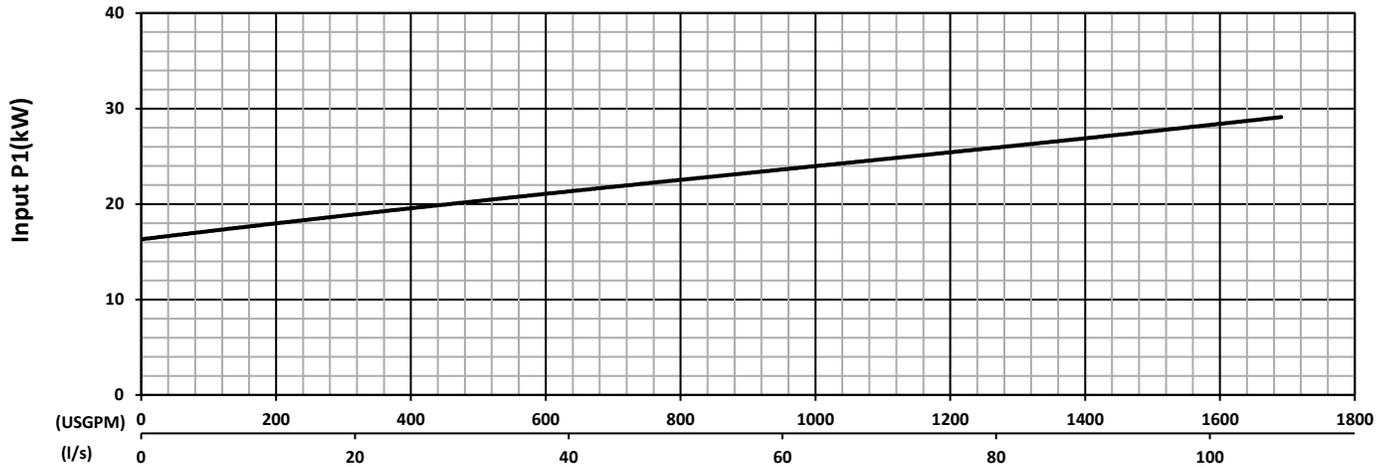
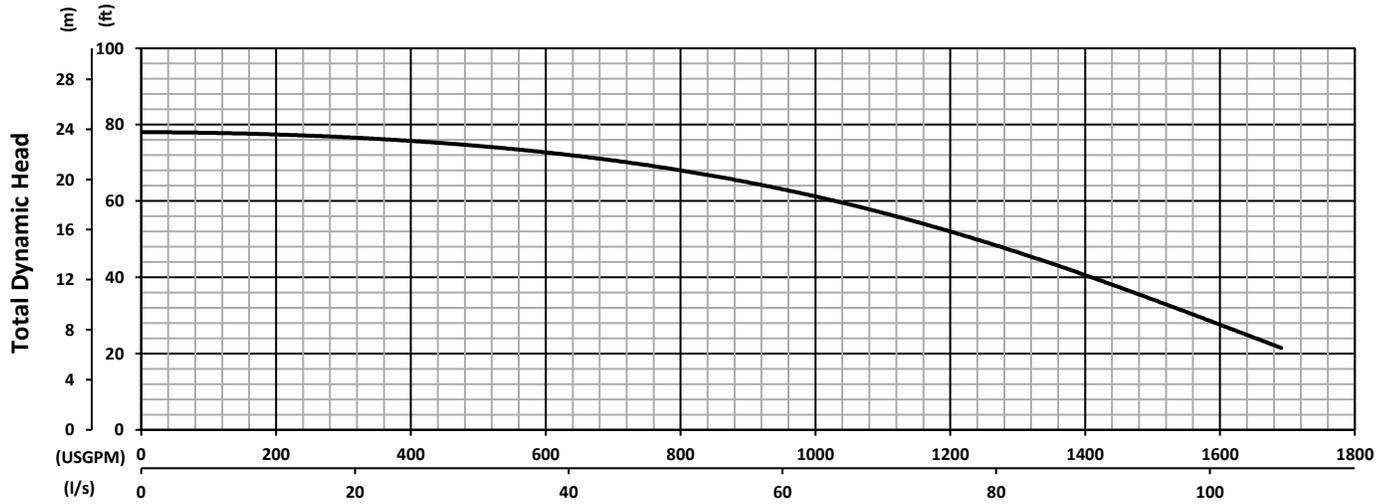
DS-C18-007

Rev:

1

Date:

6/12/2025



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

220LRF - Dual Units

Frequency	60 Hz
Pump Speed	1750 RPM
Impeller	260mm

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