



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® KZN110F

Dwg:

DS-C16-010

Rev:

1

Date:

8/22/2025

GENERAL DATA

| | |
|-------------------------------------------------------|---------------------------------------------------------------------------------|
| MAX. FLOW: | 932 GPM (3528 L/min) |
| MAX. HEAD: | 77' (23.4m) |
| 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 | 44" (1100 mm) |
| PUMP DOWN WATER LEVEL: | 16" (406 mm) |
| SOLID SIZE: | 1.38" (34.9 mm) |
| STRAINER OPENING: | 1.38" (34.9 mm) |
| IMPELLER DIAMETER: | 10.44" (265 mm) |
| DISCHARGE SIZE | 6" NPT-MALE |
| PUMP WEIGHT (without cable): | 564 lbs (256 kg) |
| SHIPPING WEIGHT: | 668 lbs (303.2 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 | 6306 |
| BALL BEARING: OIL LUBRICATED LOWER | 6310 |

ELECTRICAL / MOTOR DATA

| | | |
|-----------------------------------------|-----------------------------------------------------------------------|------|
| MOTOR: HP, TYPE, RATING | 15, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³) | |
| MOTOR RPM | 1750 | |
| MOTOR INSULATION CLASS | R, 428°F (220°C) | |
| MOTOR SERVICE FACTOR | 1.15 | |
| VOLTAGE - 60Hz ¹ | 460V | 575V |
| CURRENT F.L.A. | 17.5 | 13.7 |
| LOCKED ROTOR CURRENT (LRA) | 110 | 85 |
| POWER CABLE: GAUGE-LENGTH | AWG 8/4, 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® KZN110F

Dwg:

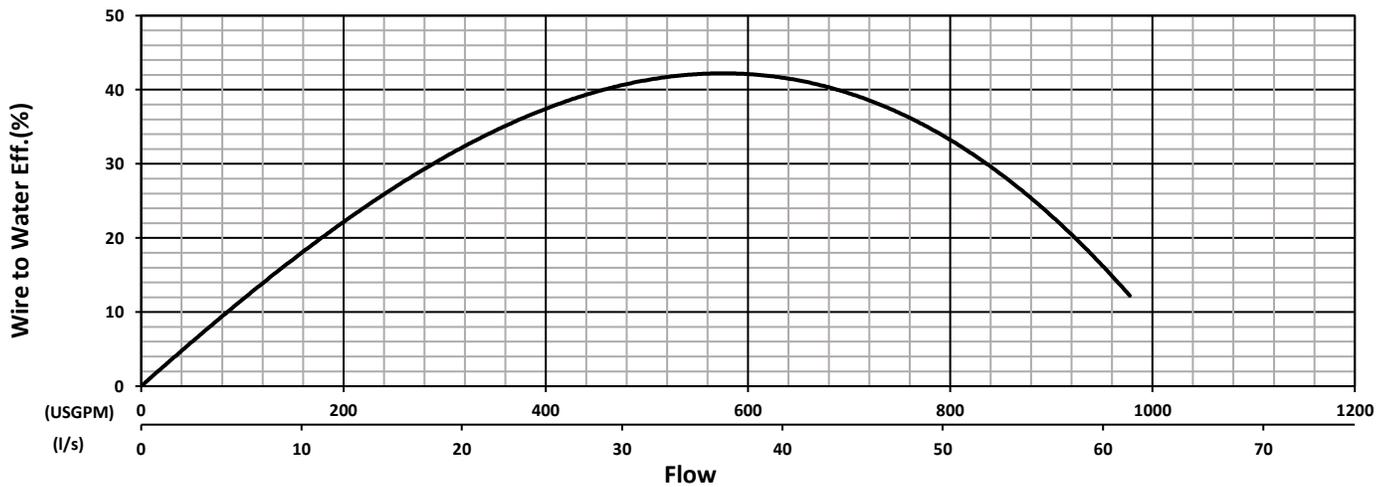
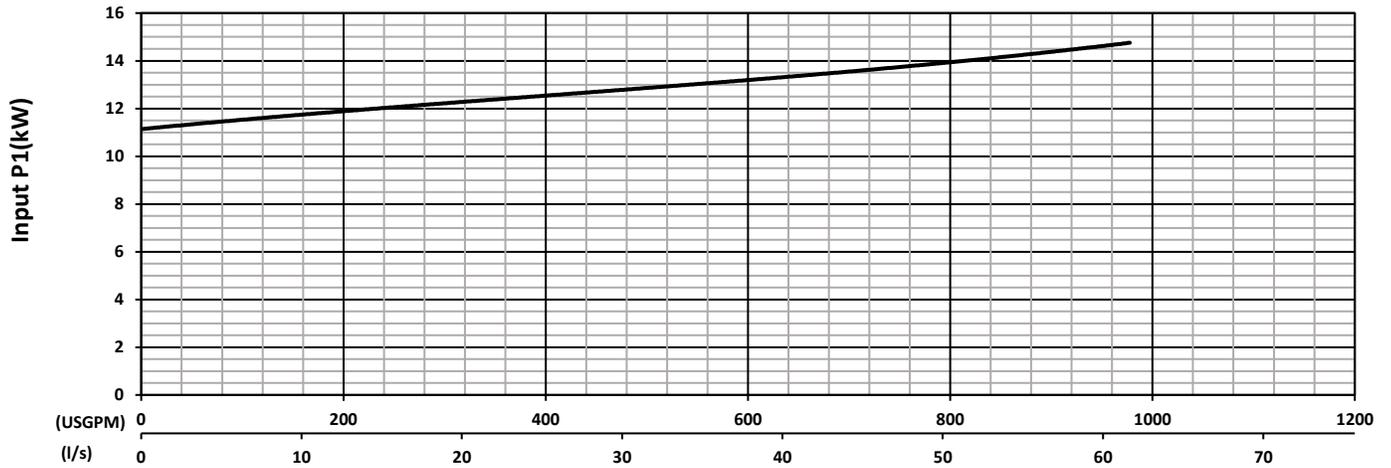
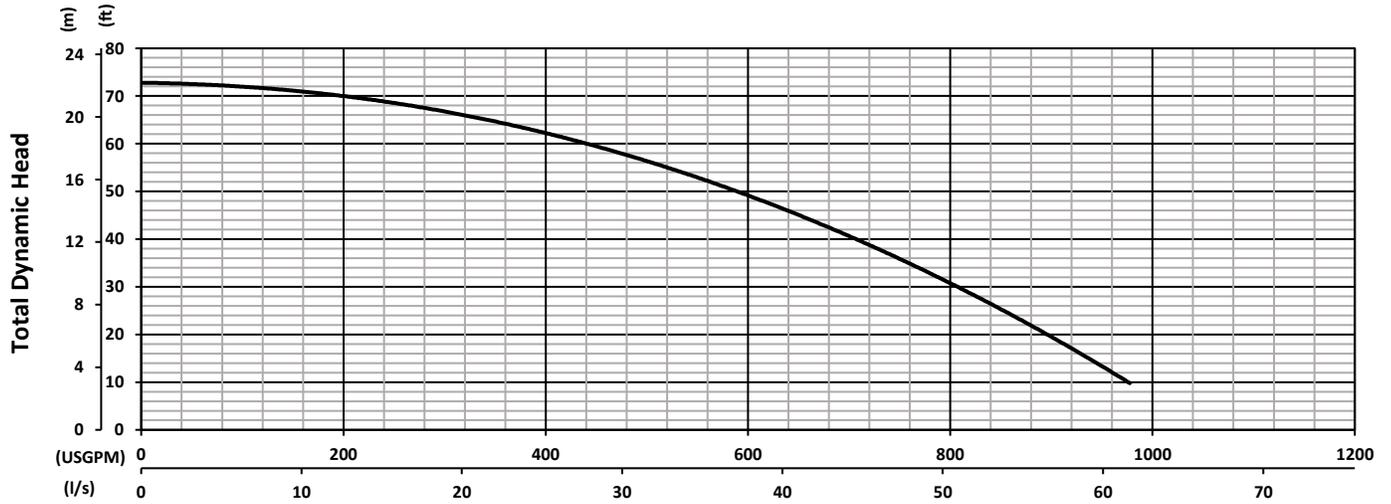
DS-C16-002

Rev:

1

Date:

6/12/2025



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

110F - Dual Units

| | |
|------------|----------|
| Frequency | 60 Hz |
| Pump Speed | 1750 RPM |
| Impeller | 265mm |

Specifications subject to change without notice