



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® KZN220RF

| | | | | | |
|-------------|------------|-------------|---|--------------|-----------|
| Dwg: | DS-C18-011 | Rev: | 1 | Date: | 8/28/2025 |
|-------------|------------|-------------|---|--------------|-----------|

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 |
| 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 ¹) | |
| 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: 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 - Continuous duty motor - see minimum submersion depth above

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

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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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PERFORMANCE CURVE

BJM Pumps® KZN220RF

Dwg:

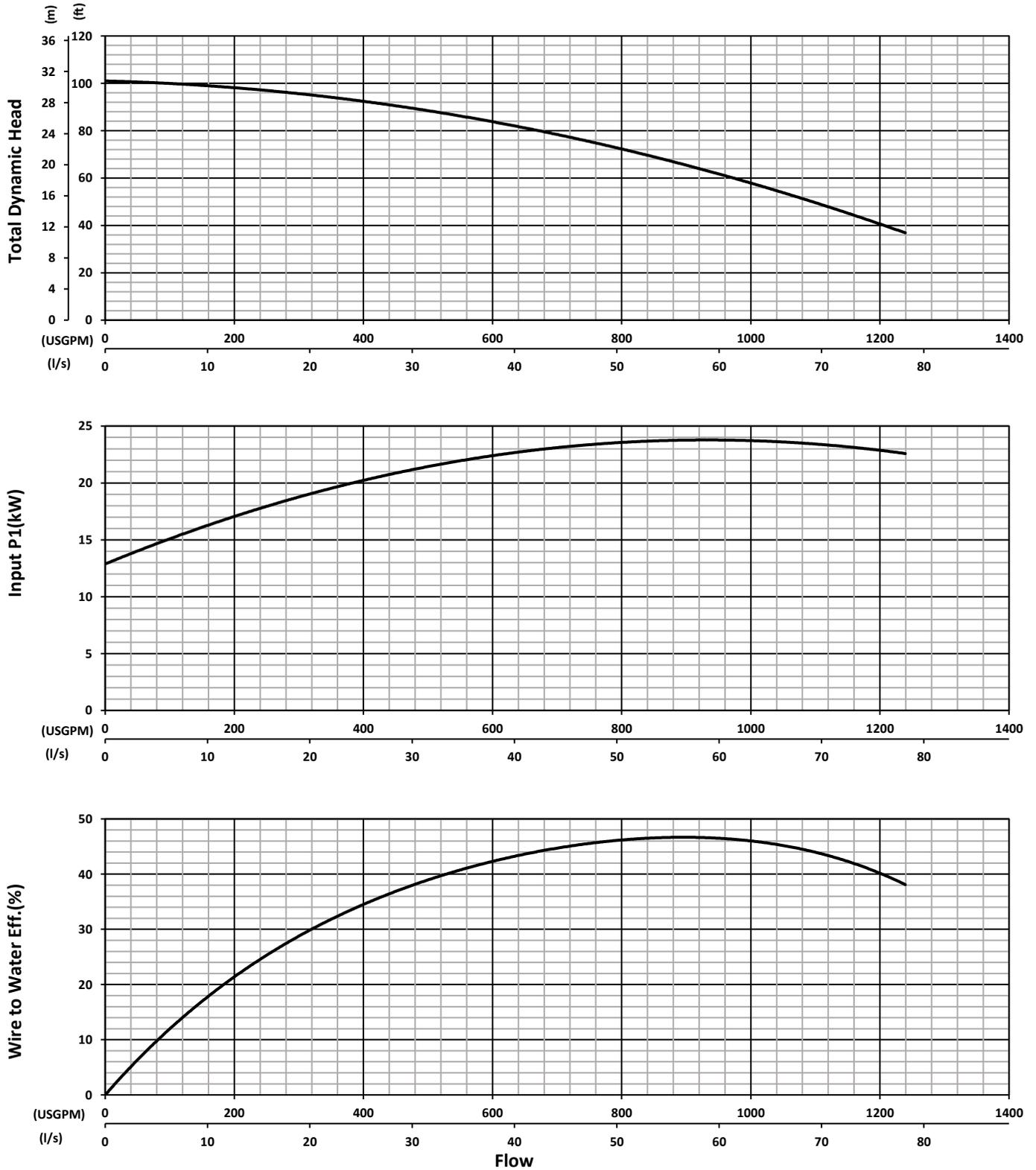
DS-C18-002

Rev:

1

Date:

6/12/2025



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

220RF - Dual Units

| | |
|------------|----------|
| Frequency | 60 Hz |
| Pump Speed | 1750 RPM |
| Impeller | 296mm |

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