

|                                                                                                                             |                       |            |             |                          |              |           |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------------|--------------------------|--------------|-----------|
|  <b>INDUSTRIAL<br/>FLOW<br/>SOLUTIONS™</b> | <b>TECHNICAL DATA</b> |            |             | <b>BJM Pumps® KZN75R</b> |              |           |
|                                                                                                                             | <b>Dwg:</b>           | DS-C17-013 | <b>Rev:</b> | 1                        | <b>Date:</b> | 8/20/2025 |

## GENERAL DATA

|                                                       |                                                                                 |
|-------------------------------------------------------|---------------------------------------------------------------------------------|
| MAX. FLOW:                                            | 625 GPM (2365.8 L/min)                                                          |
| MAX. HEAD:                                            | 68' (20.7m)                                                                     |
| MAX. SUBMERSION DEPTH:                                | 65' (20m) or limited to length of power cord, Consult factory for deeper depths |
| PUMP TYPE                                             | SLURRY HANDLING TOP DISCHARGE                                                   |
| MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY <sup>3</sup> | 33" (838 mm)                                                                    |
| PUMP DOWN WATER LEVEL:                                | 12" (305 mm)                                                                    |
| SOLID SIZE:                                           | 1" (25.4 mm)                                                                    |
| STRAINER OPENING:                                     | 1.38" (34.9 mm)                                                                 |
| IMPELLER DIAMETER:                                    | 8.98" (228 mm)                                                                  |
| DISCHARGE SIZE                                        | 4" NPT-MALE (3" NPT-MALE OPTIONAL)                                              |
| PUMP WEIGHT (without cable):                          | 350 lbs (158.6 kg)                                                              |
| SHIPPING WEIGHT:                                      | 403 lbs (182.7 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              | BUNA-N                                                         |
| ROTOR SHAFT                     | 410 SS                                                         |
| EXTERNAL HARDWARE               | 304 SS                                                         |
| BALL BEARING: PERM. LUBE. UPPER | 6306                                                           |
| BALL BEARING: PERM. LUBE. LOWER | 6308                                                           |

## ELECTRICAL / MOTOR DATA

|                                                     |                                                   |      |
|-----------------------------------------------------|---------------------------------------------------|------|
| MOTOR: HP, TYPE, RATING                             | 10, SUBMERSIBLE , (CONTINUOUS DUTY <sup>3</sup> ) |      |
| MOTOR RPM                                           | 1750                                              |      |
| MOTOR INSULATION CLASS                              | H                                                 |      |
| MOTOR SERVICE FACTOR                                | 1.15                                              |      |
| VOLTAGE - 60Hz <sup>1</sup>                         | 460V                                              | 575V |
| CURRENT F.L.A.                                      | 13                                                | 10.5 |
| LOCKED ROTOR CURRENT (LRA)                          | 77                                                | 55   |
| POWER CABLE: GAUGE-LENGTH                           | AWG 10/5, 50' (15m) SOOW                          |      |
| SENSOR CABLE: (OPTIONAL <sup>2</sup> ) GAUGE-LENGTH | AWG 18/2, 50' (15m) SOOW                          |      |
| MOTOR PROTECTION                                    | THERMAL & AMP. OVERLOAD                           |      |
| SEAL LEAK DETECTOR (OPTIONAL <sup>2</sup> )         | Seal Minder® MOISTURE SENSING PROBE               |      |
| MAXIMUM LIQUID TEMPERATURE                          | 104°F (40°C)                                      |      |

1 - Available in other voltages for 50Hz

2 - Requires a seal fail circuit in control panel for warning signal

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® KZN75R**

**Dwg:**

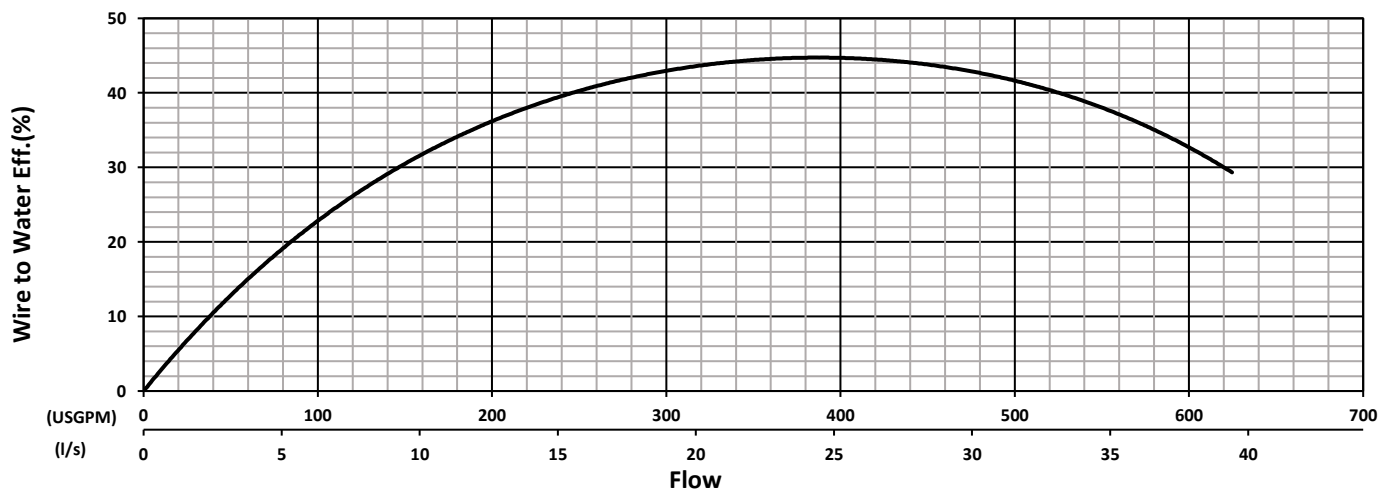
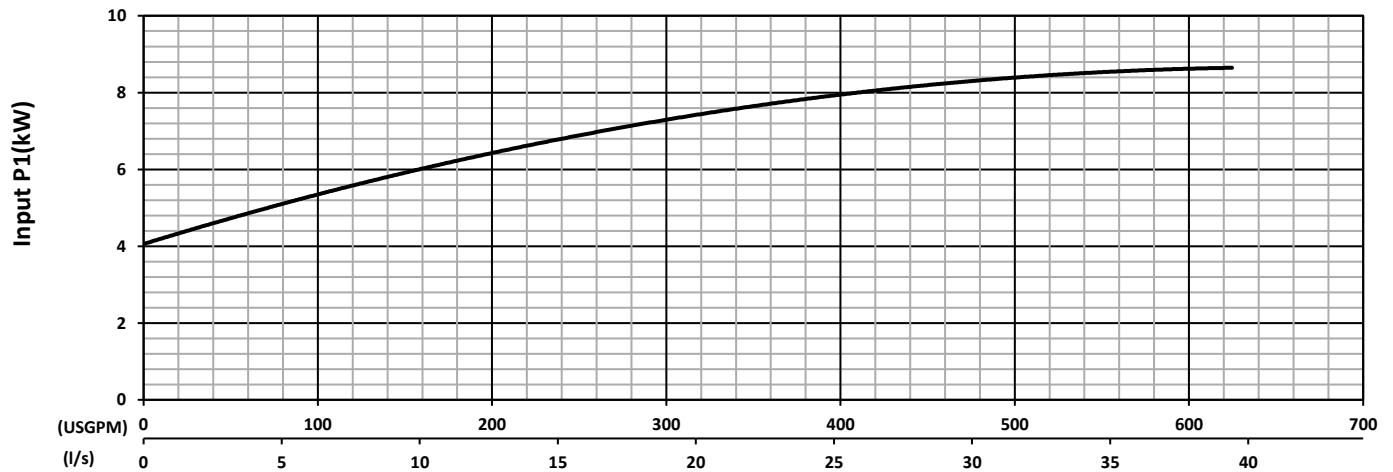
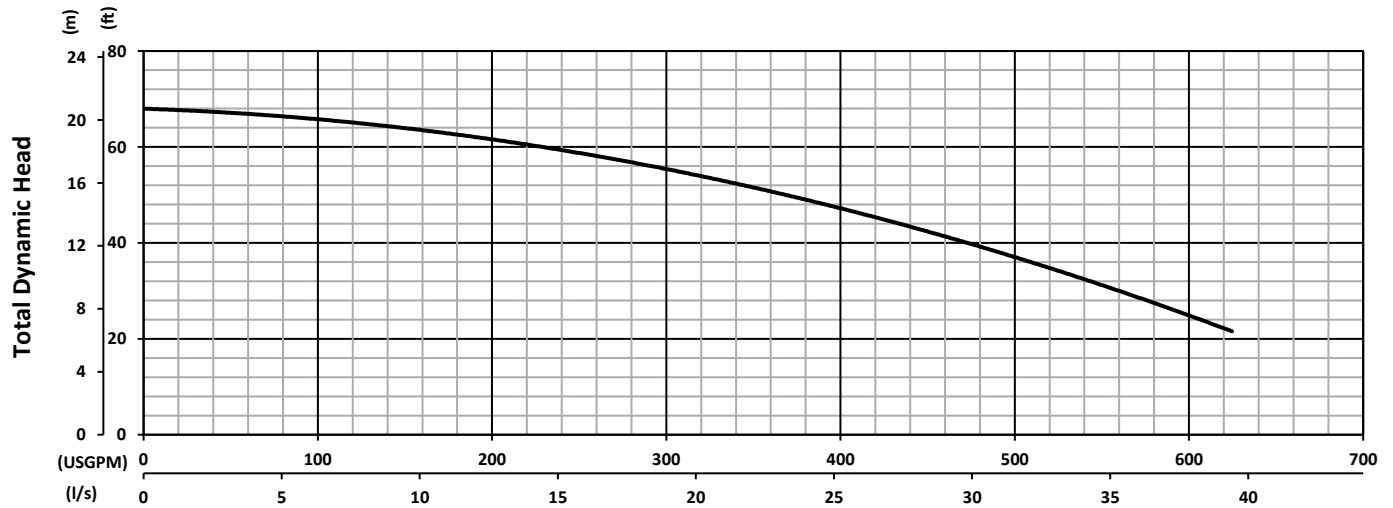
DS-C17-004

**Rev:**

1

**Date:**

6/12/2025



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

**75R - Dual Units**

Frequency 60 Hz  
Pump Speed 1750 RPM  
Impeller 228mm

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