

|                                                                                                                             |                       |            |             |                                  |              |           |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------------|----------------------------------|--------------|-----------|
|  <b>INDUSTRIAL<br/>FLOW<br/>SOLUTIONS™</b> | <b>TECHNICAL DATA</b> |            |             | <b>BJM Pumps®<br/>XP-KZN55CH</b> |              |           |
|                                                                                                                             | <b>Dwg:</b>           | DS-C37-009 | <b>Rev:</b> | 1                                | <b>Date:</b> | 8/20/2025 |

## GENERAL DATA

|                                                       |                                                                                 |                                                                                     |
|-------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| APPROVALS:                                            | EXPLOSION PROOF<br>FM APPROVED CLASS1,<br>DIVISION 1, GROUP C & D               |  |
| MAX. FLOW:                                            | 392 GPM (1483.8 L/min)                                                          |                                                                                     |
| MAX. HEAD:                                            | 61' (18.5m)                                                                     |                                                                                     |
| 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" (821 mm)                                                                    |                                                                                     |
| PUMP DOWN WATER LEVEL:                                | 12" (305 mm)                                                                    |                                                                                     |
| SOLID SIZE:                                           | 1" (25.4 mm)                                                                    |                                                                                     |
| STRAINER OPENING:                                     | 1.38" (34.9 mm)                                                                 |                                                                                     |
| IMPELLER DIAMETER:                                    | 10.83" (275 mm)                                                                 |                                                                                     |
| DISCHARGE SIZE                                        | 3" NPT-MALE                                                                     |                                                                                     |
| PUMP WEIGHT (without cable):                          | 388 lbs (176 kg)                                                                |                                                                                     |
| SHIPPING WEIGHT:                                      | 463 lbs (210 kg)                                                                |                                                                                     |

## CONSTRUCTION / MATERIAL DATA

|                                  |                                        |
|----------------------------------|----------------------------------------|
| DUAL MECHANICAL SEAL             | SILICON CARBIDE/ SILICONE CARBIDE, FKM |
| MOTOR HOUSING                    | CAST IRON                              |
| PUMP VOLUTE                      | DUCTILE IRON <sup>1</sup>              |
| WEAR PLATE, AGITATOR, & 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                  | 7.5, SUBMERSIBLE , (CONTINUOUS DUTY <sup>3</sup> )                    |      |      |
| MOTOR RPM                                | 1750                                                                  |      |      |
| MOTOR INSULATION CLASS                   | H                                                                     |      |      |
| MOTOR SERVICE FACTOR                     | 1.15                                                                  |      |      |
| VOLTAGE - 60Hz                           | 230V                                                                  | 460V | 575V |
| CURRENT F.L.A.                           | 19.5                                                                  | 9.5  | 7.8  |
| LOCKED ROTOR CURRENT (LRA)               | 130                                                                   | 65   | 48   |
| POWER CABLE: GAUGE-LENGTH                | AWG 10/5, 50' (15m) SOOW                                              |      |      |
| SENSOR CABLE <sup>2</sup> : GAUGE-LENGTH | AWG 16/4, 50' (15m) SOOW                                              |      |      |
| MOTOR PROTECTION                         | THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 302°F (150°C) |      |      |
| SEAL LEAK DETECTOR <sup>2</sup>          | Seal Minder® MOISTURE SENSING PROBE                                   |      |      |
| MAXIMUM LIQUID TEMPERATURE               | 104°F (40°C)                                                          |      |      |

1 - Optional WC/Cr/Co abrasion resistant internal coating( type 'R') available.

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® XP-KZN55CH**

Dwg:

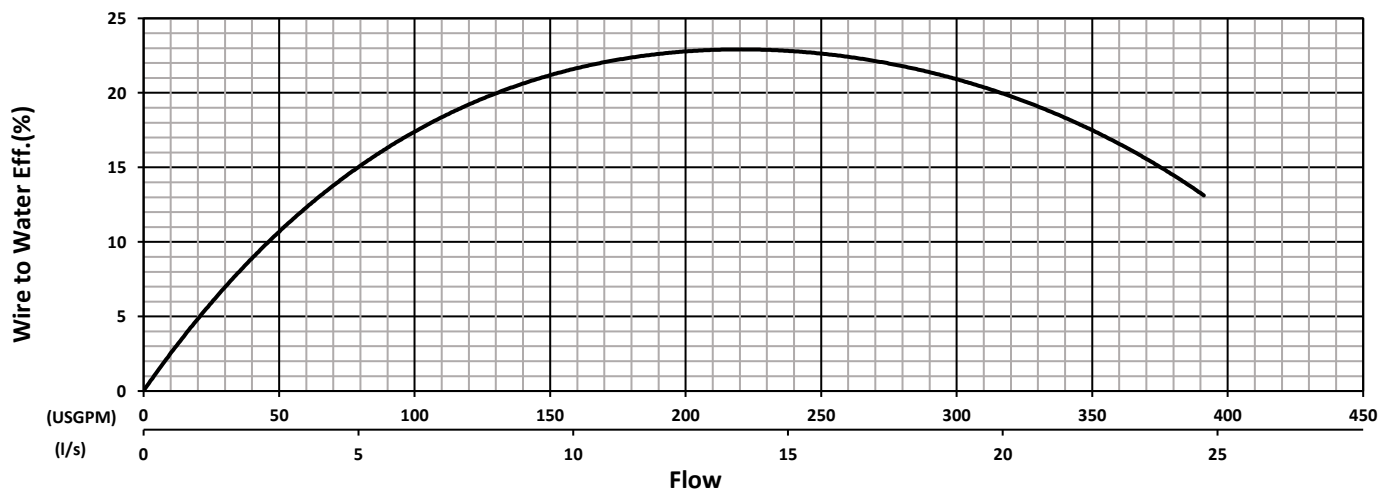
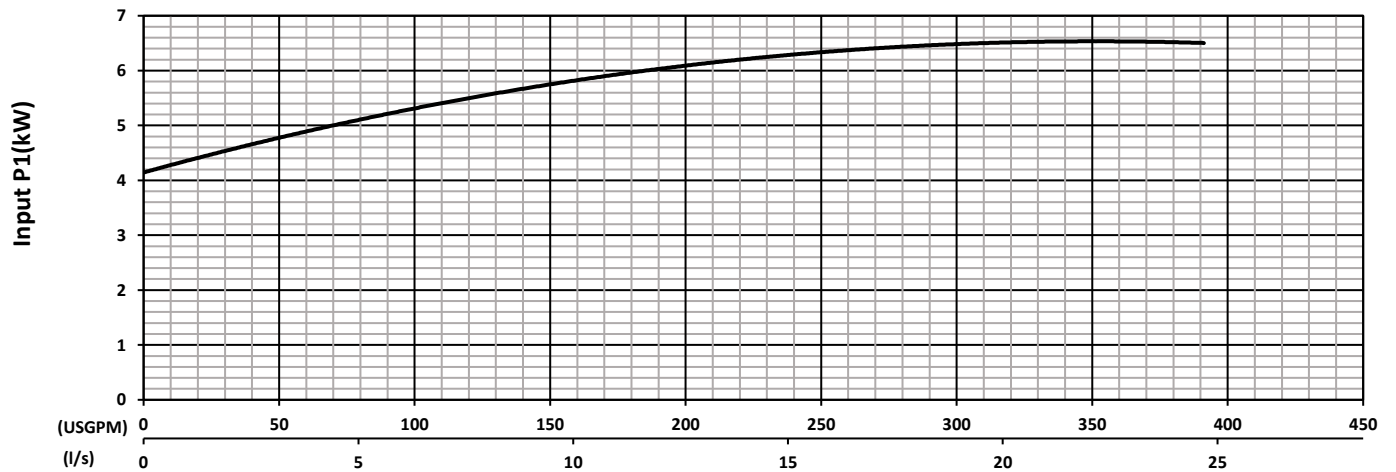
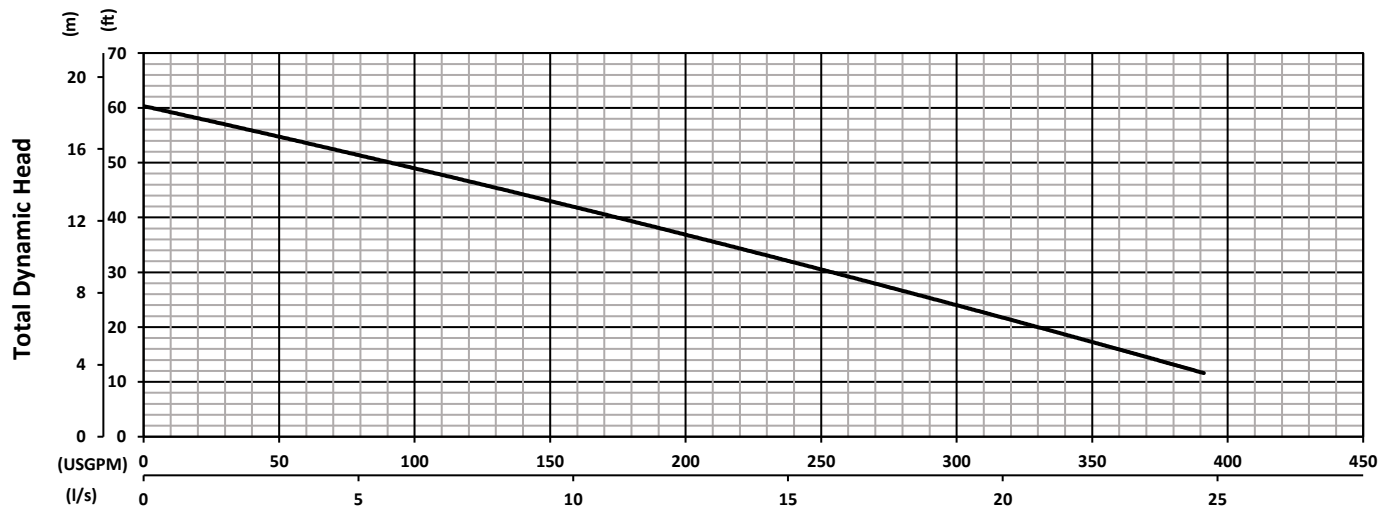
DS-C37-008

Rev:

1

Date:

8/5/2025



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

**55H - Dual Units**

Frequency 60 Hz  
Pump Speed 1750 RPM  
Impeller 275mm

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