

|                                                                                                                            |                       |            |             |                           |              |            |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------------|---------------------------|--------------|------------|
|  <b>INDUSTRIAL<br/>FLOW<br/>SOLUTIONS™</b> | <b>TECHNICAL DATA</b> |            |             | <b>BJM Pumps® V4L-224</b> |              |            |
|                                                                                                                            | <b>Dwg:</b>           | DS-C65-010 | <b>Rev:</b> | 1                         | <b>Date:</b> | 10/18/2024 |

## GENERAL DATA

|                             |                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------|
| MAX. FLOW:                  | 768 GPM (2907.2 L/min)                                                          |
| MAX. HEAD:                  | 97' (29.6m)                                                                     |
| MAX. SUBMERSION DEPTH:      | 65' (20m) or limited to length of power cord, Consult factory for deeper depths |
| PUMP TYPE                   | NON-CLOG VORTEX                                                                 |
| MINIMUM SUBMERSION DEPTH:   | 37" (923 mm)                                                                    |
| SOLID SIZE:                 | 3.6" (90 mm)                                                                    |
| IMPELLER DIAMETER:          | 9.06" (230 mm)                                                                  |
| DISCHARGE SIZE              | DN100 PN16                                                                      |
| PUMP WEIGHT, without cable: | 612.9 lbs (278 kg)                                                              |
| SHIPPING WEIGHT:            | 626.1 lbs (284 kg)                                                              |

## CONSTRUCTION / MATERIAL DATA

|                                 |                                     |
|---------------------------------|-------------------------------------|
| UPPER MECHANICAL SEAL           | SILICON CARBIDE/SILICON CARBIDE FKM |
| LOWER MECHANICAL SEAL           | SILICON CARBIDE/SILICON CARBIDE FKM |
| MOTOR CASING                    | CAST IRON, EN 1561                  |
| PUMP VOLUTE                     | CAST IRON, EN 1561                  |
| IMPELLER                        | CAST IRON, EN 1561                  |
| O-RINGS & LIP SEALS             | BUNA                                |
| ROTOR SHAFT                     | STAINLESS STEEL AISI 420            |
| EXTERNAL HARDWARE               | STAINLESS STEEL A2-70               |
| BALL BEARING: PERM. LUBE. UPPER | NU 207EW/C3                         |
| BALL BEARING: PERM. LUBE. LOWER | 6314-DDUC3ENSS6                     |

## ELECTRICAL / MOTOR DATA

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| MOTOR: TYPE, RATING HP          | SUBMERSIBLE, 30 (CONTINUOUS DUTY <sup>2</sup> ) |
| MOTOR RPM                       | 1750                                            |
| MOTOR INSULATION CLASS          | F                                               |
| MOTOR SERVICE FACTOR            | 1.1                                             |
| VOLTAGE <sup>1</sup> - 60 Hz    | 460V                                            |
| CURRENT F.L.A.                  | 40                                              |
| LOCKED ROTOR CURRENT (LRA)      | 202                                             |
| POWER CORD: GAGE; LENGTH        | AWG 8/4, 50' (15m), Type-G                      |
| MOTOR PROTECTION                | THERMAL OVERLOAD                                |
| SEAL LEAK DETECTOR <sup>3</sup> | Seal Minder® MOISTURE SENSING PROBE             |
| MAXIMUM LIQUID TEMPERATURE      | 104°F (40°C)                                    |

1 - Available in other voltages for 50Hz

2 - Continuous duty motor - see minimum submersion depth above

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

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INDUSTRIAL  
FLOW  
SOLUTIONS™

## PERFORMANCE CURVE

BJM Pumps® V4L-224

Dwg:

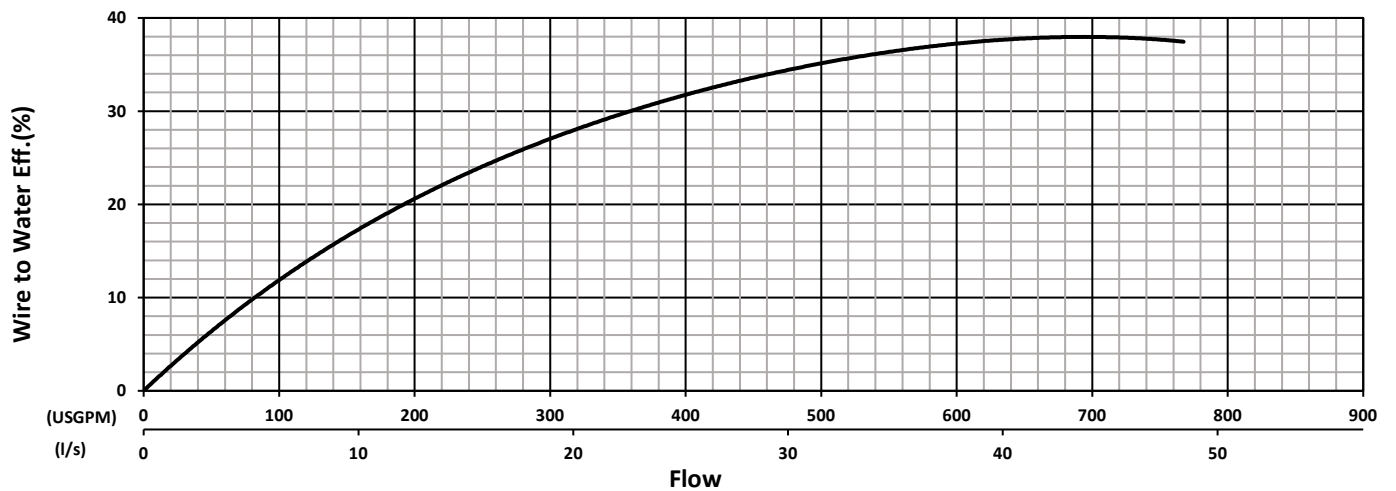
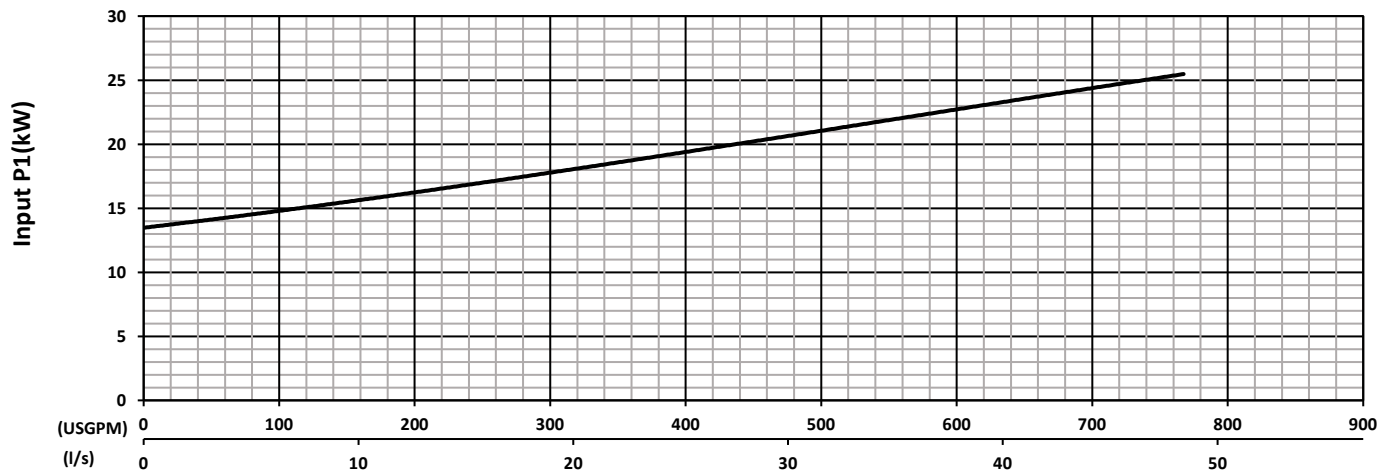
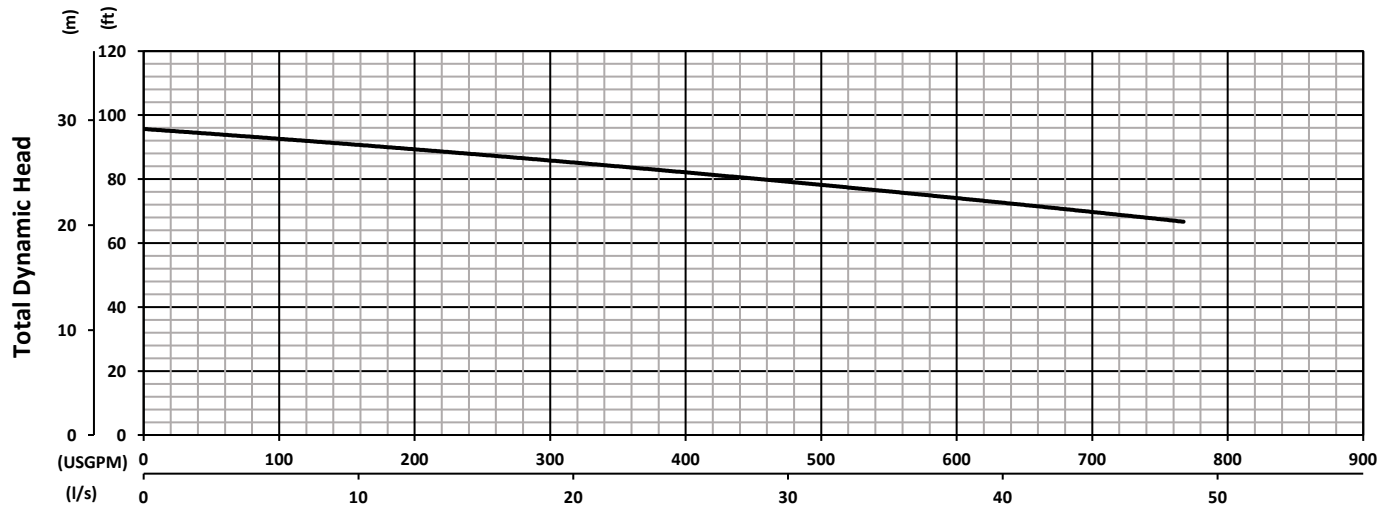
DS-C65-009

Rev:

1

Date:

10/18/2024



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

224 - Dual Units

Frequency 60 Hz  
Pump Speed 1750 RPM  
Impeller 230mm

Specifications subject to change without notice