



INDUSTRIAL  
FLOW  
SOLUTIONS™

## TECHNICAL DATA

**BJM Pumps® J55CHF**

**Dwg:**

DS-C05-008

**Rev:**

1

**Date:**

9/4/2025

## GENERAL DATA

|                                                        |                                                                                  |                                                                                     |
|--------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| APPROVALS:                                             | CSA APPROVAL<br>(AVAILABLE UPON REQUEST)                                         |  |
| MAX. FLOW:                                             | 283 GPM (1071.3 LPM)                                                             |                                                                                     |
| MAX. HEAD:                                             | 106' (32.3m)                                                                     |                                                                                     |
| MAX. SUBMERSION DEPTH:                                 | 65' (20 m) or limited to length of power cord, Consult factory for deeper depths |                                                                                     |
| PUMP TYPE:                                             | DEWATERING, SIDE DISCHARGE, HIGH TEMP                                            |                                                                                     |
| MINIMUM SUBMERSION DEPTH FOR CONT. DUTY <sup>3</sup> : | 16" (406.4 mm)                                                                   |                                                                                     |
| PUMP DOWN WATER LEVEL:                                 | 8" (203.2 mm)                                                                    |                                                                                     |
| SOLID SIZE:                                            | 0.37" (9.5 mm)                                                                   |                                                                                     |
| STRAINER OPENING:                                      | 0.37" (9.5 mm)                                                                   |                                                                                     |
| IMPELLER DIAMETER:                                     | 5.8" (147 mm)                                                                    |                                                                                     |
| DISCHARGE SIZE:                                        | 3" NPT-FEMALE                                                                    |                                                                                     |
| SLIDE RAIL SYSTEM                                      | 4" CAST IRON                                                                     |                                                                                     |
| PUMP WEIGHT (without cable):                           | 182 lbs (82.6 kg)                                                                |                                                                                     |
| SHIPPING WEIGHT:                                       | 224 lbs (101.6 kg)                                                               |                                                                                     |

## CONSTRUCTION / MATERIAL DATA

|                                 |                                        |
|---------------------------------|----------------------------------------|
| UPPER MECHANICAL SEAL           | CARBON/CERAMIC, FKM                    |
| LOWER MECHANICAL SEAL           | SILICON CARBIDE/ SILICONE CARBIDE, FKM |
| MOTOR CASING                    | 304 SS                                 |
| IMPELLER & VOLUTE               | CAST IRON                              |
| STRAINER                        | STEEL                                  |
| LIP SEAL & O-RINGS              | FKM                                    |
| ROTOR SHAFT                     | 304 SS                                 |
| EXTERNAL HARDWARE               | 304 SS                                 |
| BEARING, OIL LUBRICATED, UPPER: | 6305                                   |
| BEARING, OIL LUBRICATED, LOWER: | 6207 (x2)                              |

## ELECTRICAL / MOTOR DATA

|                                        |                                                                       |                           |      |
|----------------------------------------|-----------------------------------------------------------------------|---------------------------|------|
| MOTOR: HP, TYPE, RATING                | 7.5, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY <sup>3</sup> )          |                           |      |
| MOTOR RPM                              | 3450                                                                  |                           |      |
| MOTOR INSULATION CLASS                 | R, 428°F (220°C)                                                      |                           |      |
| MOTOR SERVICE FACTOR                   | 1.1                                                                   |                           |      |
| VOLTAGE - 3PH - 60Hz <sup>1</sup>      | 230V                                                                  | 460V                      | 575V |
| CURRENT F.L.A.                         | 21                                                                    | 10.5                      | 7.6  |
| LOCKED ROTOR CURRENT (LRA)             | 126                                                                   | 63                        | 47   |
| STANDARD POWER CABLE: GAGE-LENGTH      | AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE                             |                           |      |
| CSA RATED POWER CABLE: GAGE-LENGTH     | AWG 4/4, 50' (15m)<br>SEOOW                                           | AWG 10/4, 50' (15m) SEOOW |      |
| SENSOR CABLE: <sup>2</sup> GAGE-LENGTH | AWG 18/4, 33' (10m) HIGH TEMP RATED CABLE                             |                           |      |
| MOTOR PROTECTION                       | THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C) |                           |      |
| SEAL LEAK DETECTOR <sup>2</sup>        | Seal Minder® MOISTURE SENSING PROBE                                   |                           |      |
| MAXIMUM LIQUID TEMPERATURE             | 200°F (93°C)                                                          |                           |      |

1 - Available in other voltages for 50Hz

2 - Requires seal fail and thermal circuit in control panel for warranty validity.

3 - Continuous duty motor - see minimum submersion depth above.

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## PERFORMANCE CURVE

BJM Pumps® J55CHF

Dwg:

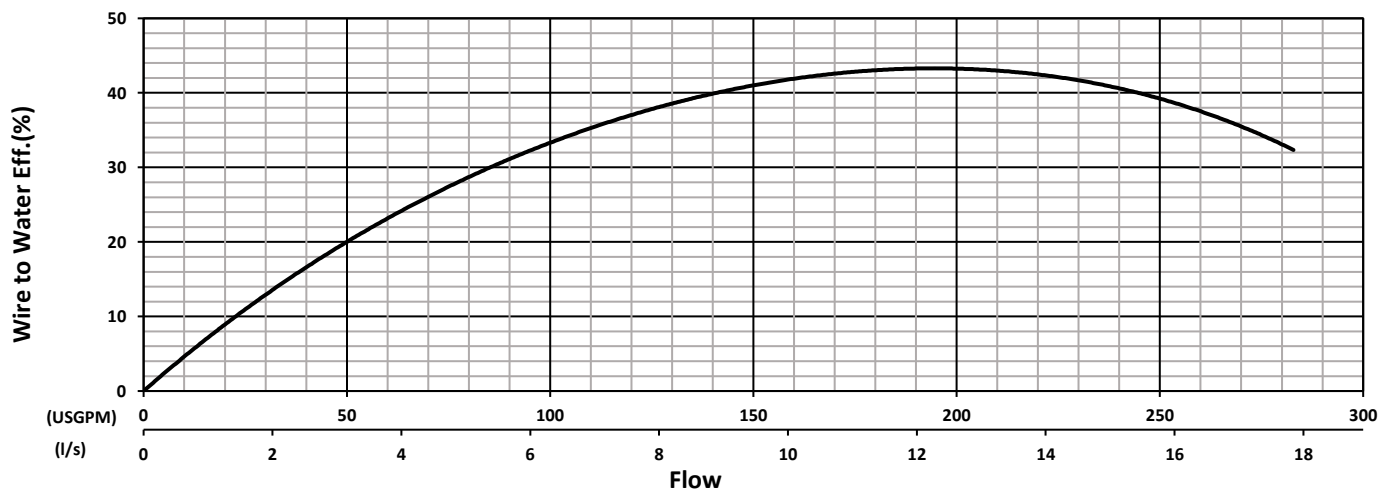
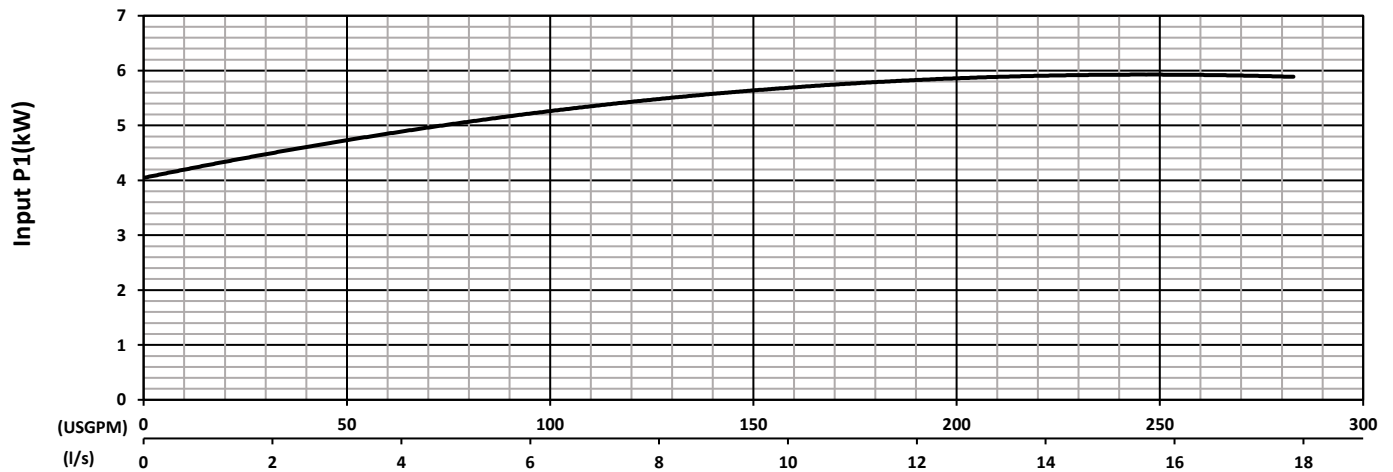
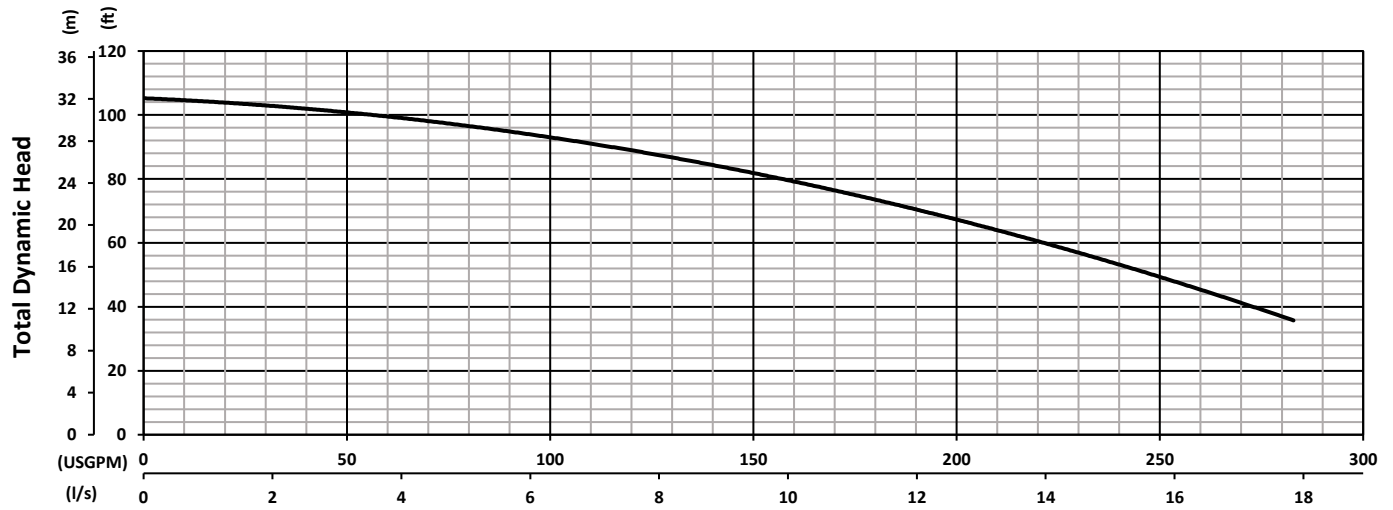
DS-C05-009

Rev:

1

Date:

6/16/2025



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

55CHF - Dual Units

Frequency  
Pump Speed  
Impeller

60 Hz  
3450 RPM  
147mm

Specifications subject to change without notice