

INDUSTRIAL  
FLOW  
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® A2-41****Dwg:**

DS-C42-011

**Rev:**

2

**Date:**

9/9/2024

**GENERAL DATA**

|                             |   |
|-----------------------------|---|
| MAX. FLOW:                  | 325 GPM (1230.3 L/min)  |
| MAX. HEAD:                  | 83' (25.3m)   |
| MAX. SUBMERSION DEPTH:      | 65' (20m) or limited to length of power cord, Consult factory for deeper depths |
| PUMP TYPE                   | SINGLE VANE NON-CLOG  |
| MINIMUM SUBMERSION DEPTH:   | 22" (556 mm)  |
| SOLID SIZE:                 | 1.8" (45 mm)  |
| IMPELLER DIAMETER:          | 4.89" (124 mm)  |
| DISCHARGE SIZE              | DN 80 PN16  |
| PUMP WEIGHT, without cable: | 132.3 lbs (60 kg)   |
| SHIPPING WEIGHT:            | 143.3 lbs (65 kg)   |

**CONSTRUCTION / MATERIAL DATA**

|                                 |                                     |
|---------------------------------|-------------------------------------|
| UPPER MECHANICAL SEAL           | CARBON/CERAMIC 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                         | BUNA                                |
| ROTOR SHAFT                     | STAINLESS STEEL AISI 420            |
| EXTERNAL HARDWARE               | STAINLESS STEEL A2-70               |
| BALL BEARING: PERM. LUBE. UPPER | 6205-ZZCMDNS7S6                     |
| BALL BEARING: PERM. LUBE. LOWER | 3205B-2ZRTNG                        |

**ELECTRICAL / MOTOR DATA**

|                                 |  |                              |
|---------------------------------|--|------------------------------|
| MOTOR: TYPE, RATING HP          | SUBMERSIBLE, 5.5 (CONTINUOUS DUTY <sup>2</sup> ) |                              |
| MOTOR RPM                       | 3450   |                              |
| MOTOR INSULATION CLASS          | F  |                              |
| MOTOR SERVICE FACTOR            | 1.1  |                              |
| VOLTAGE <sup>1</sup> - 60 Hz    | 230V   | 460V                         |
| CURRENT F.L.A.                  | 16.6   | 8.3                          |
| LOCKED ROTOR CURRENT (LRA)      | 90.3   | 45.2                         |
| POWER CORD: GAGE; LENGTH        | AWG 12/4+16/3, 33' (10m),<br>SOOW                | AWG 16/7, 33' (10m),<br>SOOW |
| 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

**©2024 Industrial Flow Solutions Operating, LLC. All rights reserved.**Industrial Flow Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA  
(860) 631-3618 • [www.flowsolutions.com](http://www.flowsolutions.com)



INDUSTRIAL  
FLOW  
SOLUTIONS™

# PERFORMANCE CURVE

## BJM Pumps® A2-41

Dwg:

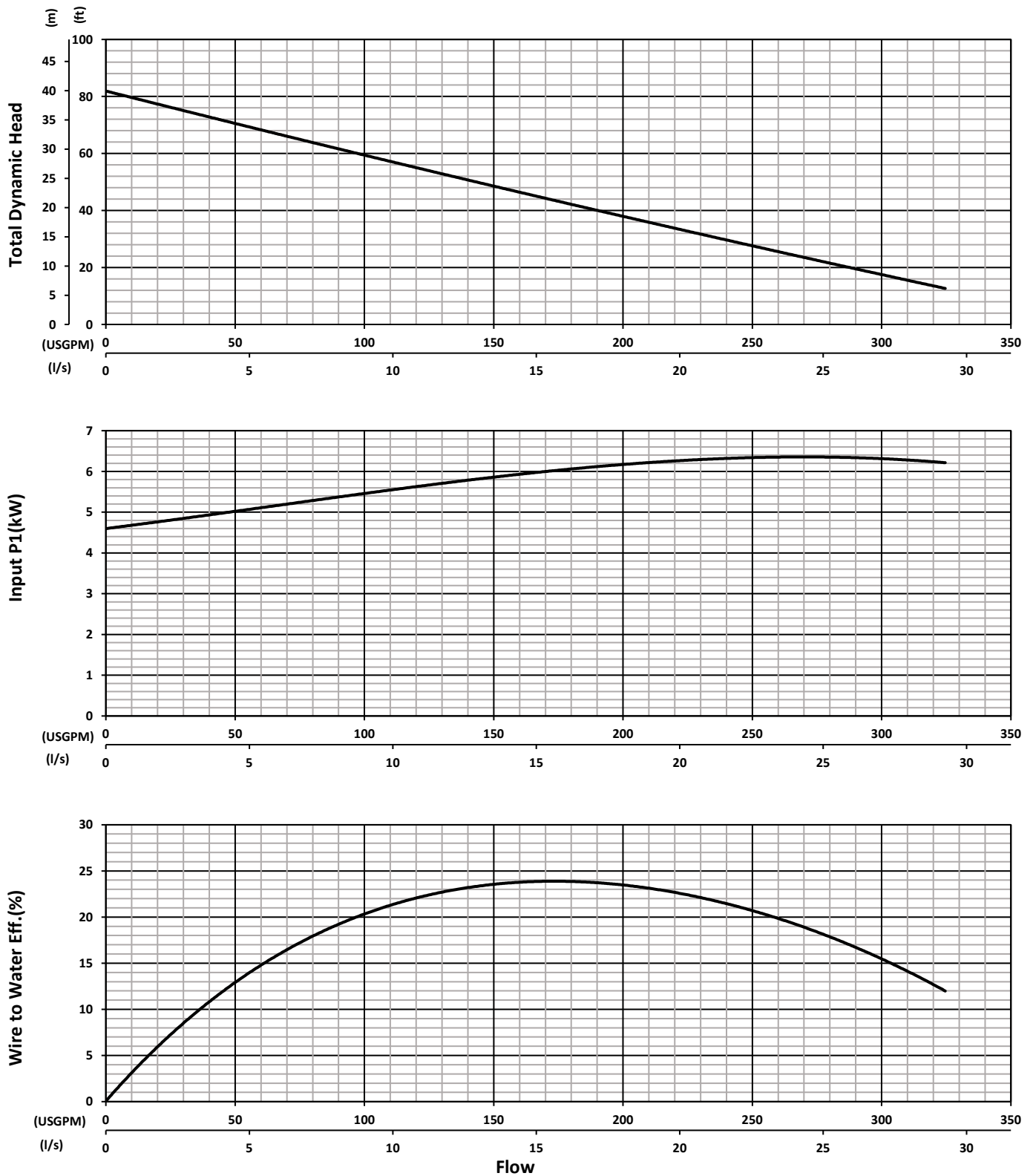
DS-C42-009

Rev:

1

Date:

3/11/2024



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

41 - Dual Units

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller 124mm

Specifications subject to change without notice