

INDUSTRIAL  
FLOW  
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® SV75CF****Dwg:**

DS-C32-019

**Rev:**

1

**Date:**

7/8/2025

**GENERAL DATA**

|   |   |
|---|---|
| MAX. FLOW:  | 821 GPM (3107.8 L/min)  |
| MAX. HEAD:  | 59' (17.9m)   |
| 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: FOR CONT. DUTY <sup>3</sup> | 22.52" (572 mm)   |
| SOLID SIZE:   | 3.5" (89 mm)  |
| IMPELLER DIAMETER:                                    | 7.45" (189 mm)  |
| DISCHARGE SIZE  | 4" NPT-FEMALE   |
| SLIDE RAIL SYSTEM                                     | 4"  |
| PUMP WEIGHT (without cable):                          | 266 lbs (120.5 kg)  |
| SHIPPING WEIGHT:                                      | 308 lbs (139.6 kg)  |

**CONSTRUCTION / MATERIAL DATA**

|                                    |  |
|------------------------------------|--|
| UPPER MECHANICAL SEAL              | CARBON/SILICON CARBIDE, FKM            |
| LOWER MECHANICAL SEAL              | SILICON CARBIDE/ SILICONE CARBIDE, FKM |
| MOTOR HOUSING                      | 304 SS                                 |
| PUMP VOLUTE                        | DUCTILE IRON                           |
| IMPELLER                           | CAST IRON                              |
| LIP SEAL & O-RINGS                 | FKM                                    |
| ROTOR SHAFT                        | 304 SS                                 |
| EXTERNAL HARDWARE                  | 304 SS                                 |
| BALL BEARING: OIL LUBRICATED UPPER | 6305                                   |
| BALL BEARING: OIL LUBRICATED LOWER | 6307 (x2)                              |

**ELECTRICAL / MOTOR DATA**

|  |   |      |
|--|---|------|
| MOTOR: HP, TYPE, RATING                | 10, SUBMERSIBLE OIL FILLED, (CONT. DUTY <sup>3</sup> )                |      |
| MOTOR RPM                              | 1750  |      |
| MOTOR INSULATION CLASS                 | R, 428°F (220°C)  |      |
| MOTOR SERVICE FACTOR                   | 1.1   |      |
| VOLTAGE - 60Hz <sup>1</sup>            | 460V  | 575V |
| CURRENT F.L.A.                         | 15  | 10.5 |
| LOCKED ROTOR CURRENT (LRA)             | 77  | 55   |
| POWER CABLE: GAGE-LENGTH               | AWG 10/4, 33' (10m) HIGH TEMP RATED CABLE                             |      |
| 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 a seal fail circuit in control panel for warranty validity

3 - Continuous duty motor - see minimum submersion depth above

©2025 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)

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL  
FLOW  
SOLUTIONS™

# PERFORMANCE CURVE

## BJM Pumps® SV75CF

Dwg:

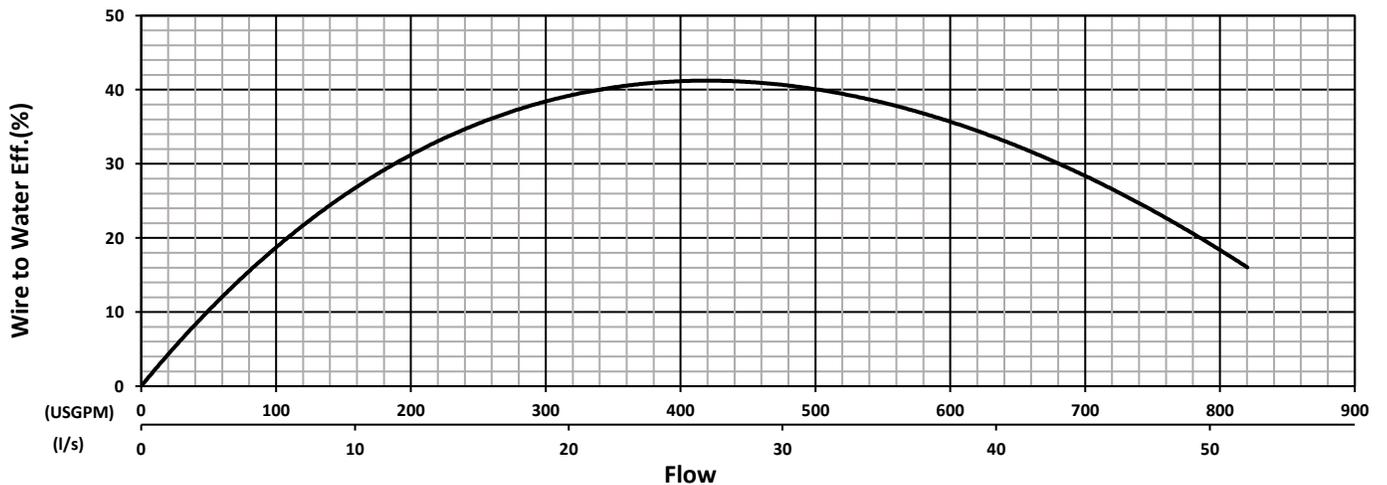
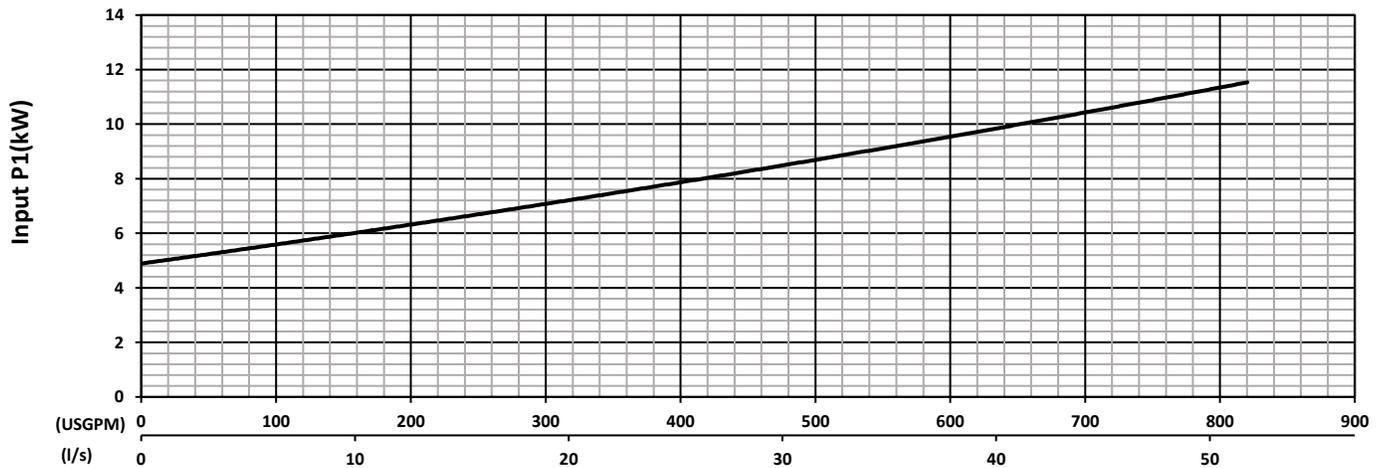
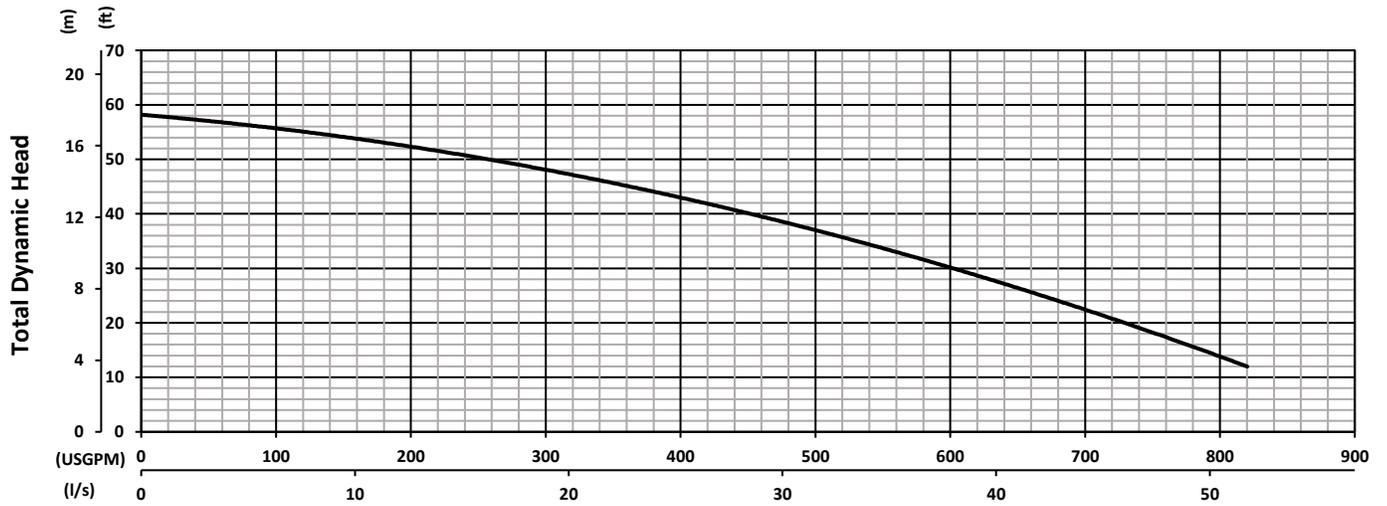
DS-C32-010

Rev:

1

Date:

8/6/2025



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

75CF - Dual Units

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller 189mm

Specifications subject to change without notice