



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® V2-89

Dwg:

DS-C61-015

Rev:

1

Date:

3/5/2024

GENERAL DATA

MAX. FLOW:	450 GPM (1703.4 L/min)
MAX. HEAD:	100' (30.5m)
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:	25" (610 mm)
SOLID SIZE:	2.8" (70 mm)
IMPELLER DIAMETER:	5.83" (148 mm)
DISCHARGE SIZE	DN80 PN16
PUMP WEIGHT, without cable:	154.3 lbs (70 kg)
SHIPPING WEIGHT:	202.8 lbs (92 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	6206-ZZCMDNS7S6
BALL BEARING: PERM. LUBE. LOWER	3306B-2ZRTNG

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 12 (CONTINUOUS DUTY ²)
MOTOR RPM	3450
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE ¹ - 60 Hz	460V
CURRENT F.L.A.	16.8
LOCKED ROTOR CURRENT (LRA)	92.2
POWER CORD: GAGE; LENGTH	AWG 12/4 + 16/3, 33' (10m), SOOW
MOTOR PROTECTION	THERMAL OVERLOAD
SEAL LEAK DETECTOR ³	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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PERFORMANCE CURVE

BJM Pumps® V2-89

Dwg:

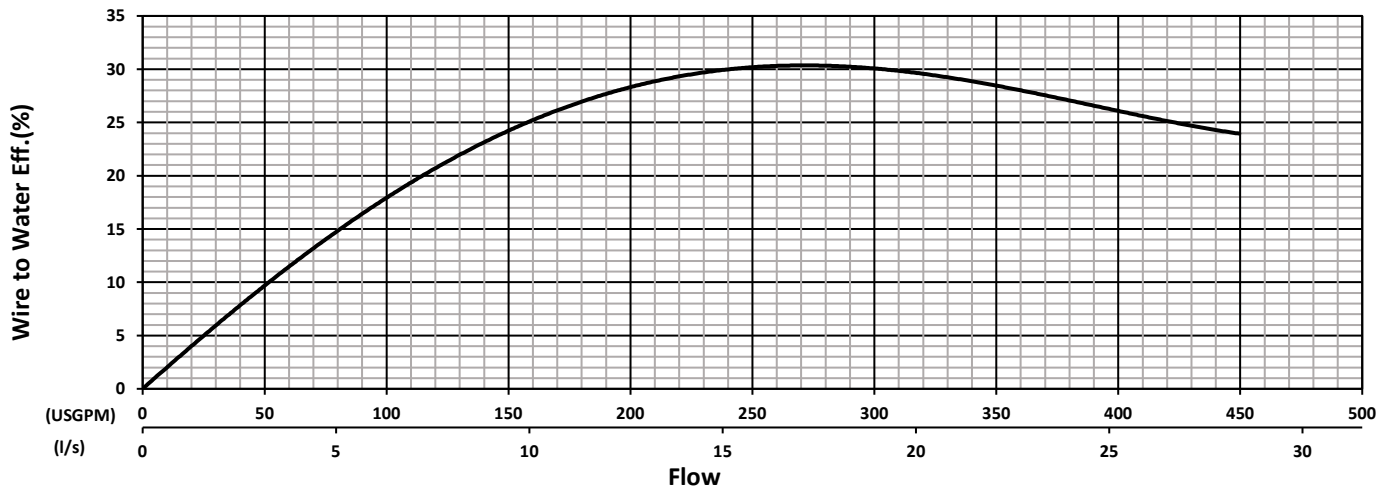
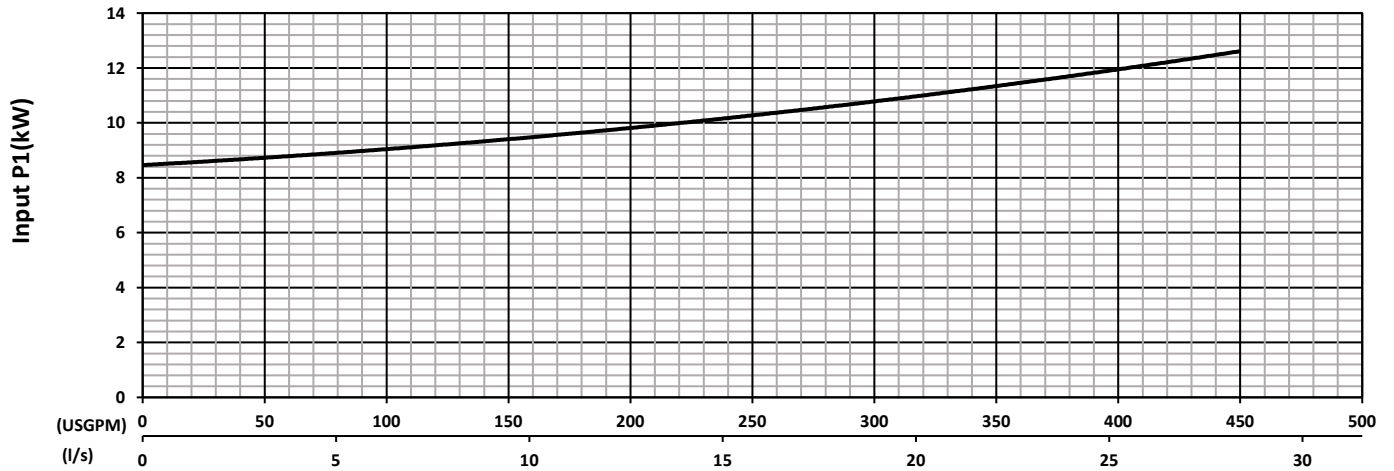
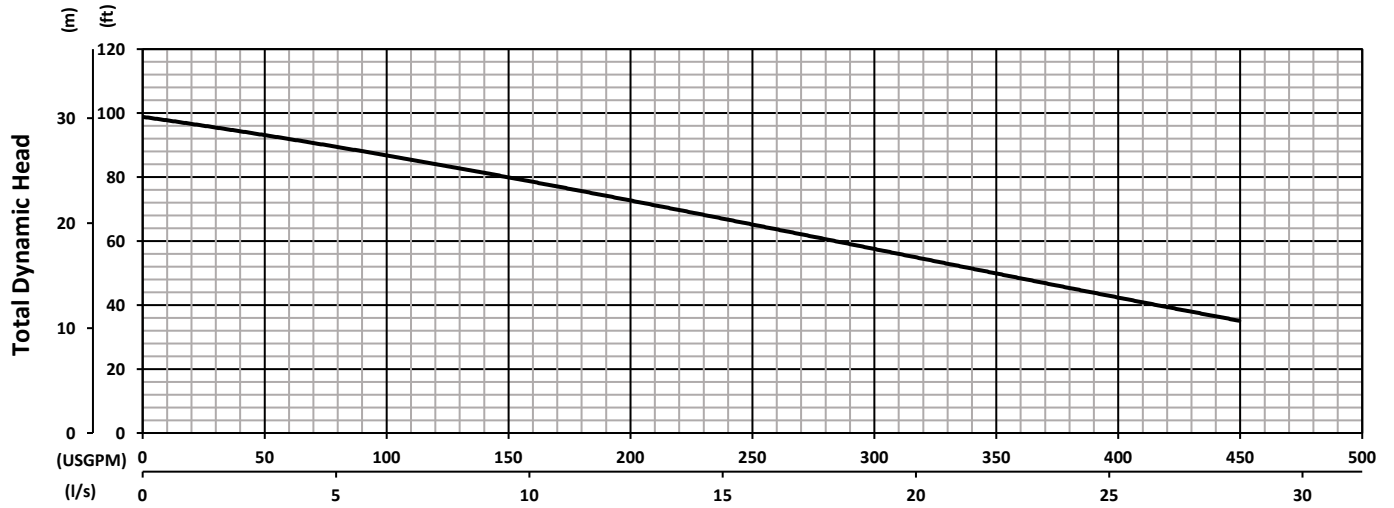
DS-C61-008

Rev:

1

Date:

2/6/2024



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

89 - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	148mm

Specifications subject to change without notice