

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® A4L-168		
	Dwg:	DS-C64-010	Rev:	1	Date:	10/11/2024

GENERAL DATA

MAX. FLOW:	1209 GPM (4576.6 L/min)
MAX. HEAD:	131' (39.9m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	NON-CLOG SOLIDS HANDLING
MINIMUM SUBMERSION DEPTH:	33" (837 mm)
SOLID SIZE:	3.2" (80 mm)
IMPELLER DIAMETER:	10.95" (278 mm)
DISCHARGE SIZE	DN150 PN16
PUMP WEIGHT, without cable:	564.4 lbs (256 kg)
SHIPPING WEIGHT:	577.6 lbs (262 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	6312-DDUC3BQHS6

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 22.5 (CONTINUOUS DUTY ²)
MOTOR RPM	1750
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE ¹ - 60 Hz	460V
CURRENT F.L.A.	30.5
LOCKED ROTOR CURRENT (LRA)	154
POWER CORD: GAGE; LENGTH	AWG 8/4 + 16/3, 33' (10m), SEOOW
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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INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® A4L-168

Dwg:

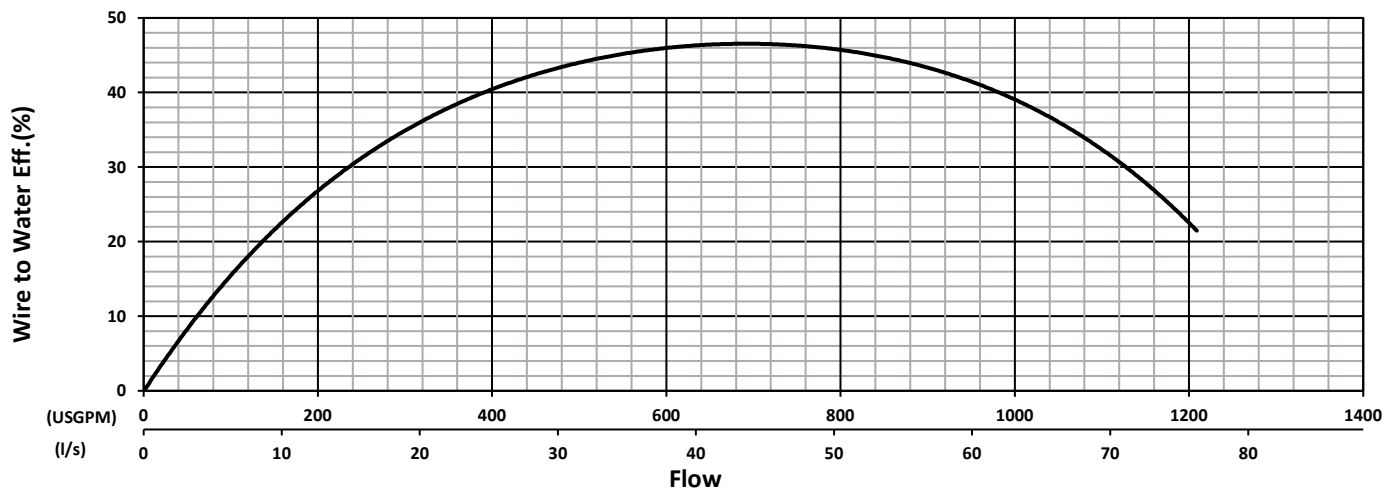
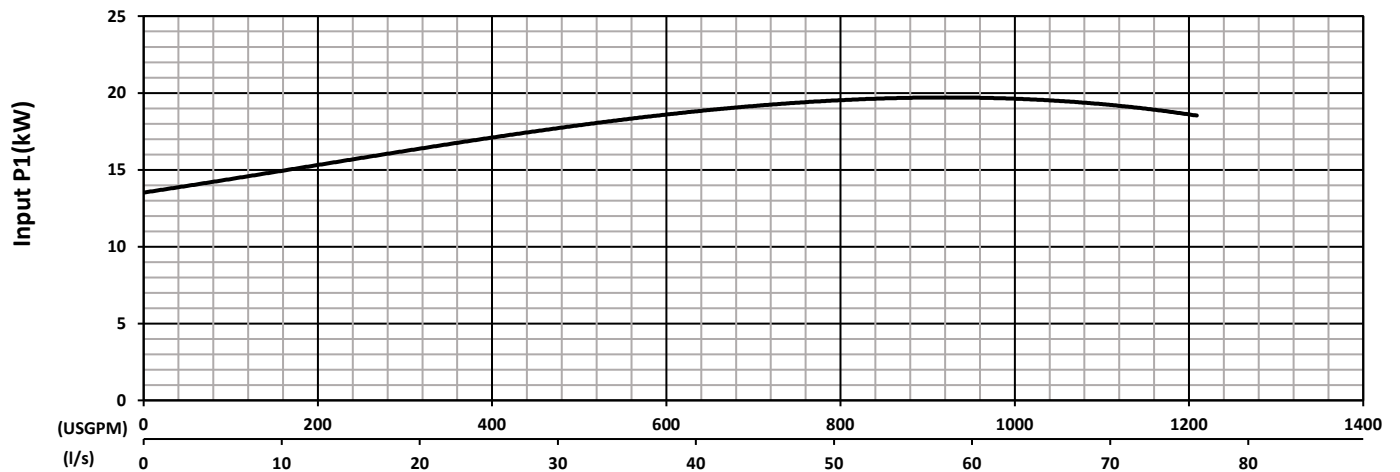
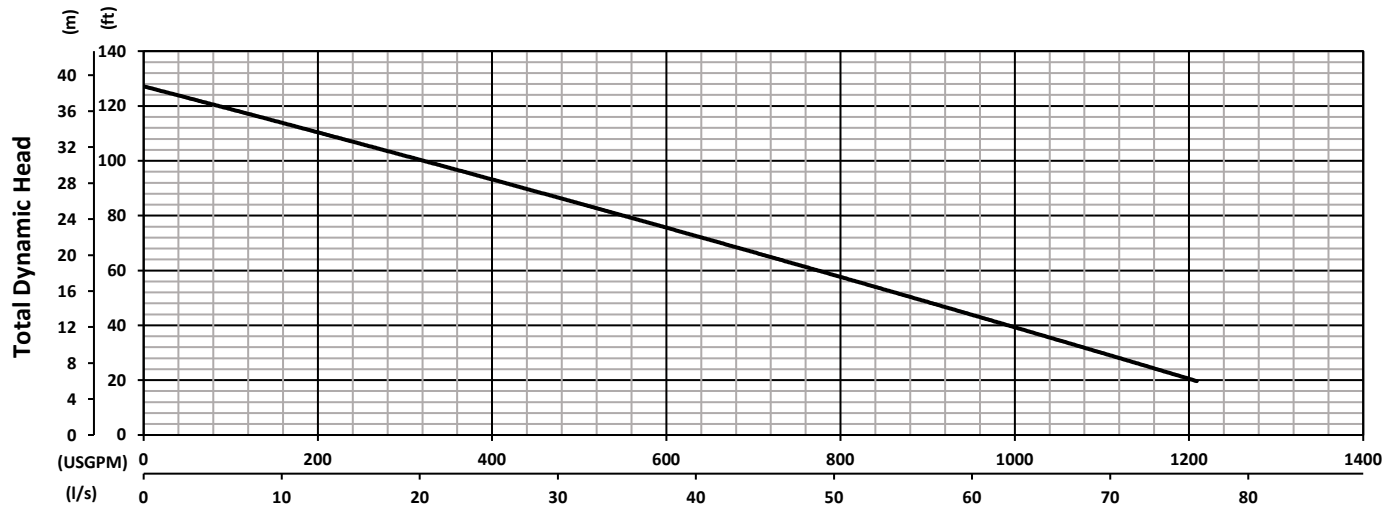
DS-C64-009

Rev:

1

Date:

10/11/2024



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

168 - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
278mm

Specifications subject to change without notice