

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® A4L-172		
	Dwg:	DS-C64-012	Rev:	1	Date:	10/30/2024

GENERAL DATA

MAX. FLOW:	2827 GPM (10701.4 L/min)
MAX. HEAD:	47' (14.3m)
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:	42" (1048 mm)
SOLID SIZE:	4.4" (110 mm)
IMPELLER DIAMETER:	8.61" (218.5 mm)
DISCHARGE SIZE	DN200 PN10
PUMP WEIGHT, without cable:	749.6 lbs (340 kg)
SHIPPING WEIGHT:	879.6 lbs (399 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	6314-DDUC3ENSS6

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 23 (CONTINUOUS DUTY ²)
MOTOR RPM	1750
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE ¹ - 60 Hz	460V
CURRENT F.L.A.	31.2
LOCKED ROTOR CURRENT (LRA)	157.6
POWER CORD: GAGE; LENGTH	AWG 8/4, 50' (15m), Type-G
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
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PERFORMANCE CURVE

BJM Pumps® A4L-172

Dwg:

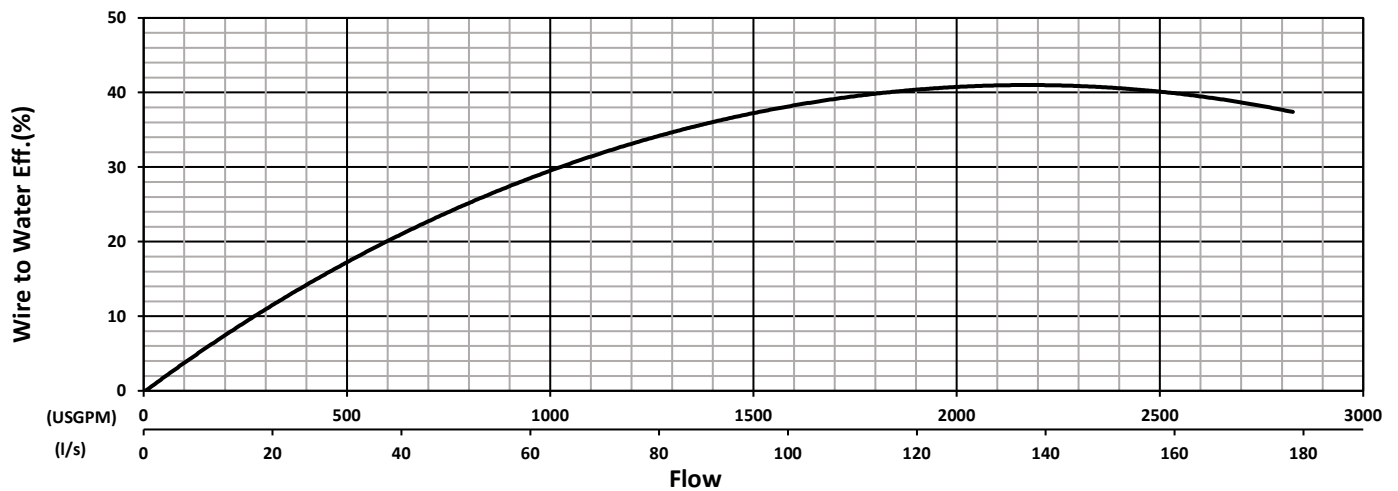
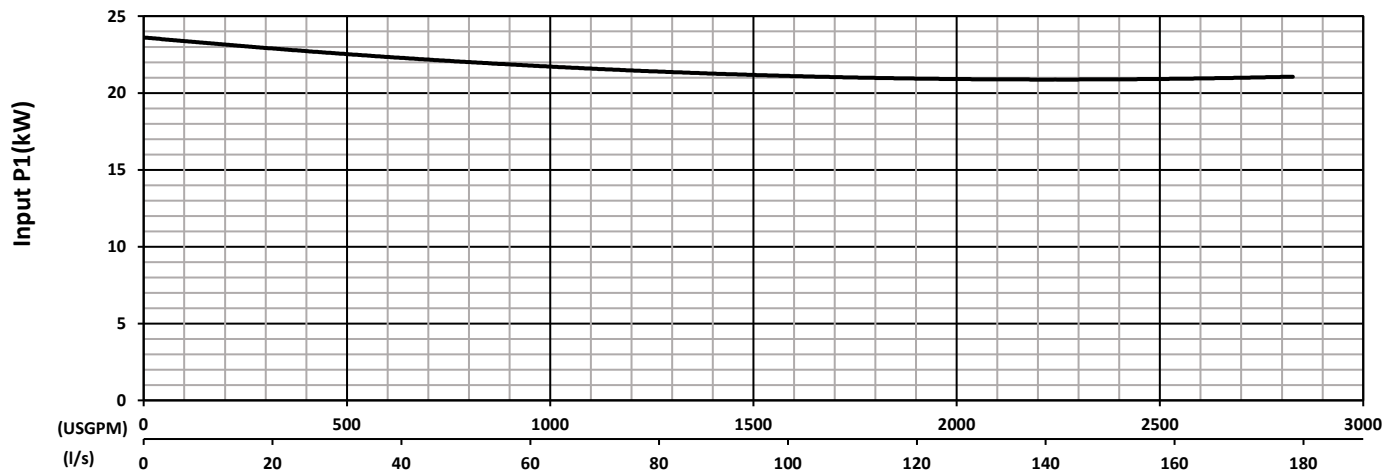
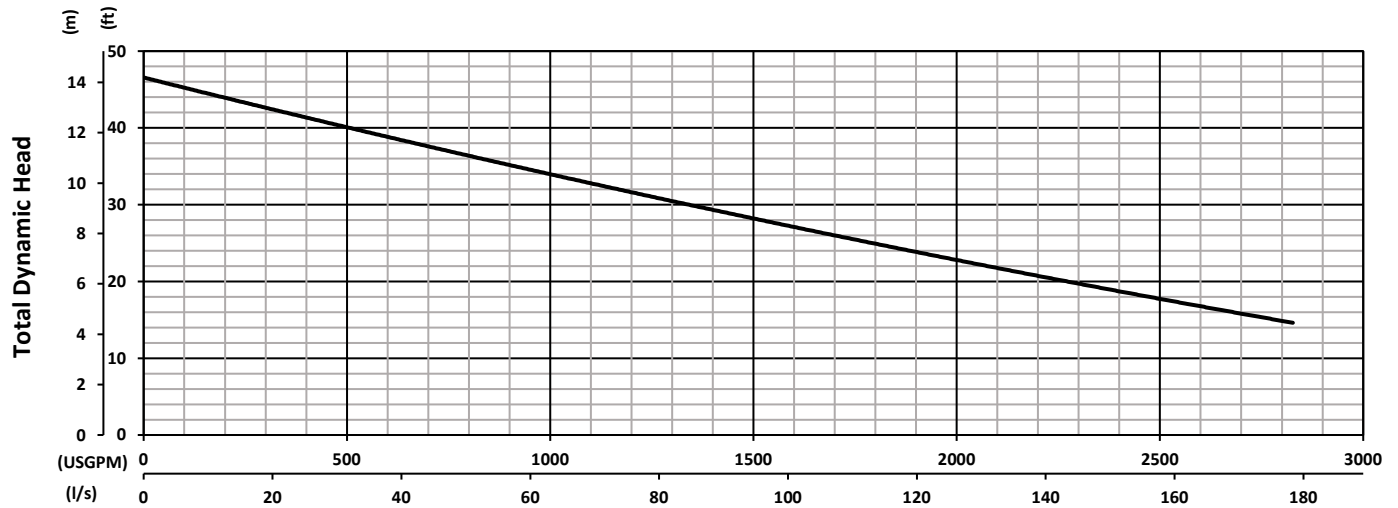
DS-C64-011

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

172 - Dual Units

Frequency 60 Hz
Pump Speed 1750 RPM
Impeller 218.5mm

Specifications subject to change without notice