

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® Alpha V 3		
	Dwg:	DS-C44-006	Rev:	1	Date:	11/1/2023

GENERAL DATA

MAX. FLOW:	77 GPM (291.5 L/min)
MAX. HEAD:	43' (13.1m)
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:	13" (329 mm)
SOLID SIZE:	1.4" (35 mm)
IMPELLER DIAMETER:	3.63" (92 mm)
DISCHARGE SIZE	1.5" NPS FEMALE
PUMP WEIGHT, without cable:	39.7 lbs (18 kg)
SHIPPING WEIGHT:	41 lbs (18.6 kg)

CONSTRUCTION / MATERIAL DATA

MECHANICAL SEAL	SILICON CARBIDE/CERAMIC FKM
MOTOR CASING	CAST IRON, EN 1561
PUMP VOLUTE	CAST IRON, EN 1561
IMPELLER	CAST IRON, EN 1561
LIPSEAL & O-RINGS	FKM
ROTOR SHAFT	STAINLESS STEEL AISI 420
EXTERNAL HARDWARE	STAINLESS STEEL A2-70
BALL BEARING: PERM. LUBE. UPPER	6201-2Z
BALL BEARING: PERM. LUBE. LOWER	6202-2Z

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 1 (CONTINUOUS DUTY ²)			
MOTOR RPM	3450			
MOTOR INSULATION CLASS	F			
MOTOR SERVICE FACTOR	1.1			
PHASE	SINGLE		THREE	
VOLTAGE ¹ - 60 Hz	115V	230V	230V	460V
CURRENT F.L.A.	14	7	4.2	2.1
LOCKED ROTOR CURRENT (LRA)	64.1	32.1	19.2	9.6
POWER CORD: GAGE; LENGTH	AWG 14/3, 33' (10m), STOW w/ NEMA Plugs		AWG 14/4, 33' (10m), STOW	
MOTOR PROTECTION	OVERLOAD REQUIRED IN CONTROL			
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)			

1 - Available in other voltages for 50Hz

2 - Continuous duty motor - see minimum submersion depth above

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INDUSTRIAL
FLOW
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PERFORMANCE CURVE

BJM Pumps® Alpha V 3

Dwg:

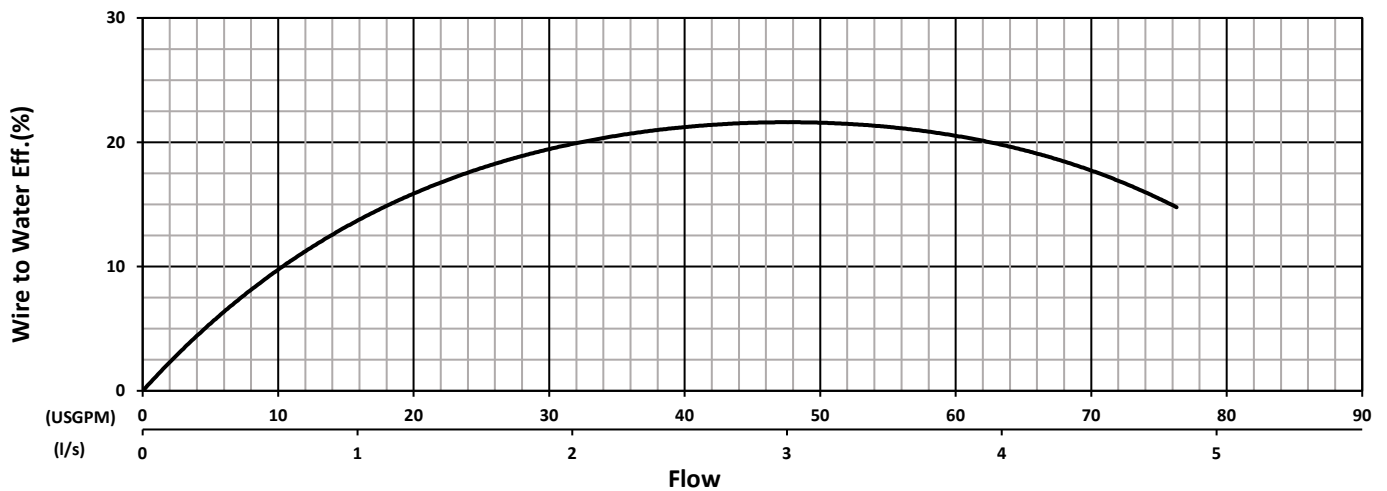
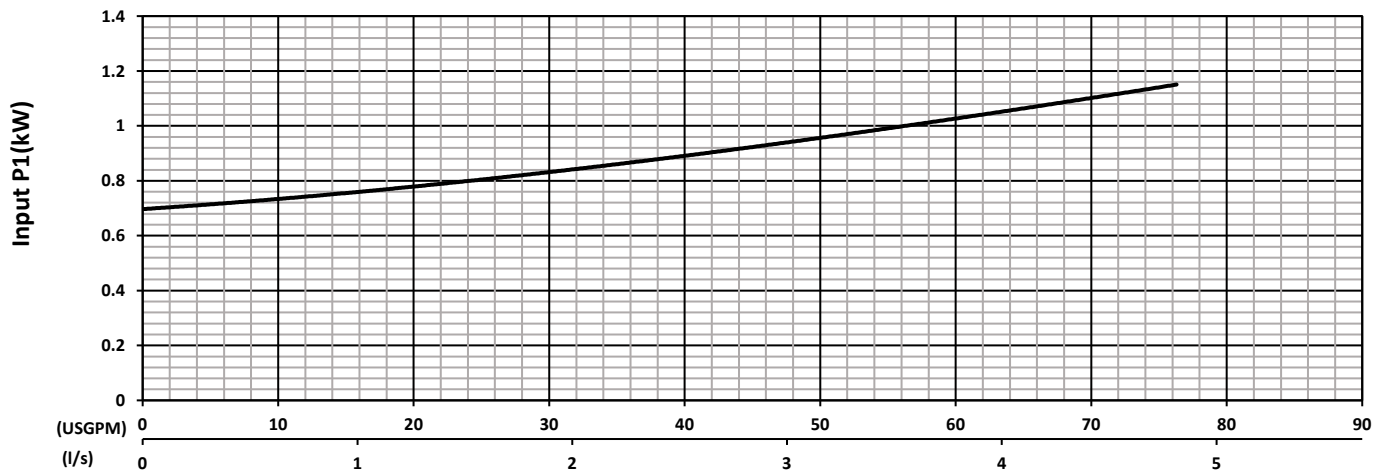
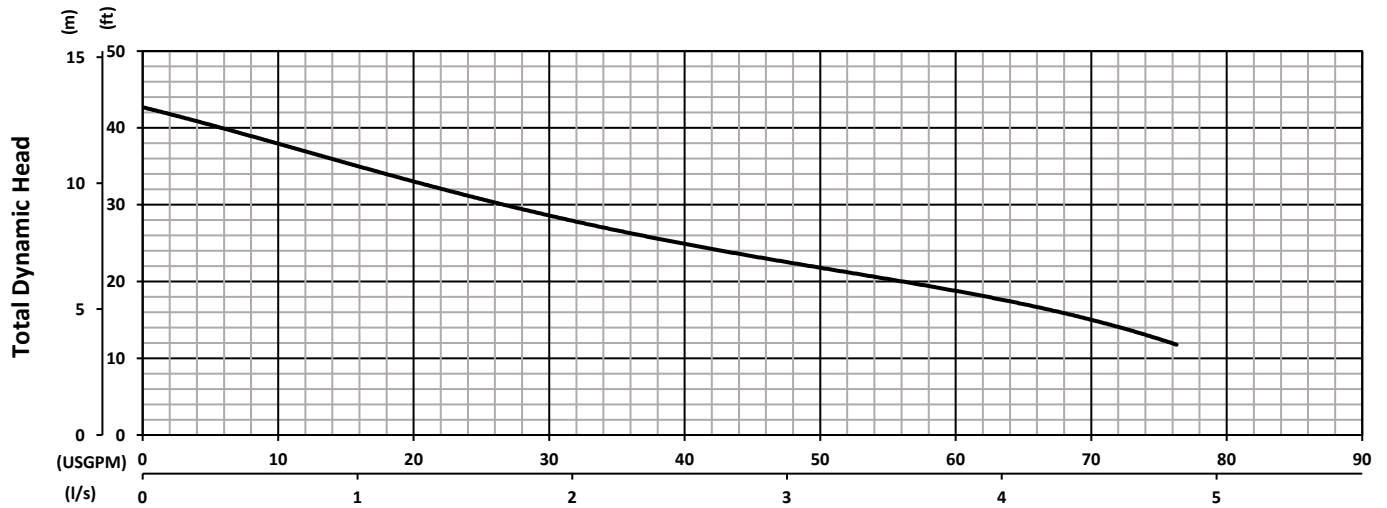
DS-C44-002

Rev:

1

Date:

10/31/2023



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

3 - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
92mm

Specifications subject to change without notice