

INDUSTRIAL
FLOW
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® Alpha V 2****Dwg:**

DS-C44-005

Rev:

1

Date:

11/1/2023

GENERAL DATA

MAX. FLOW:	66 GPM (249.8 L/min)
MAX. HEAD:	33' (10.1m)
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:	3.31" (84 mm)
DISCHARGE SIZE	1.5" NPS FEMALE
PUMP WEIGHT, without cable:	37.5 lbs (17 kg)
SHIPPING WEIGHT:	38.8 lbs (17.6 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, 0.75 (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.	7.5	4	3.2	1.6
LOCKED ROTOR CURRENT (LRA)	34.4	18.3	14.7	7.3
POWER CORD: GAGE; LENGTH	AWG 16/3, 33' (10m), STOW w/ NEMA Plugs		AWG 16/4, 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 2

Dwg:

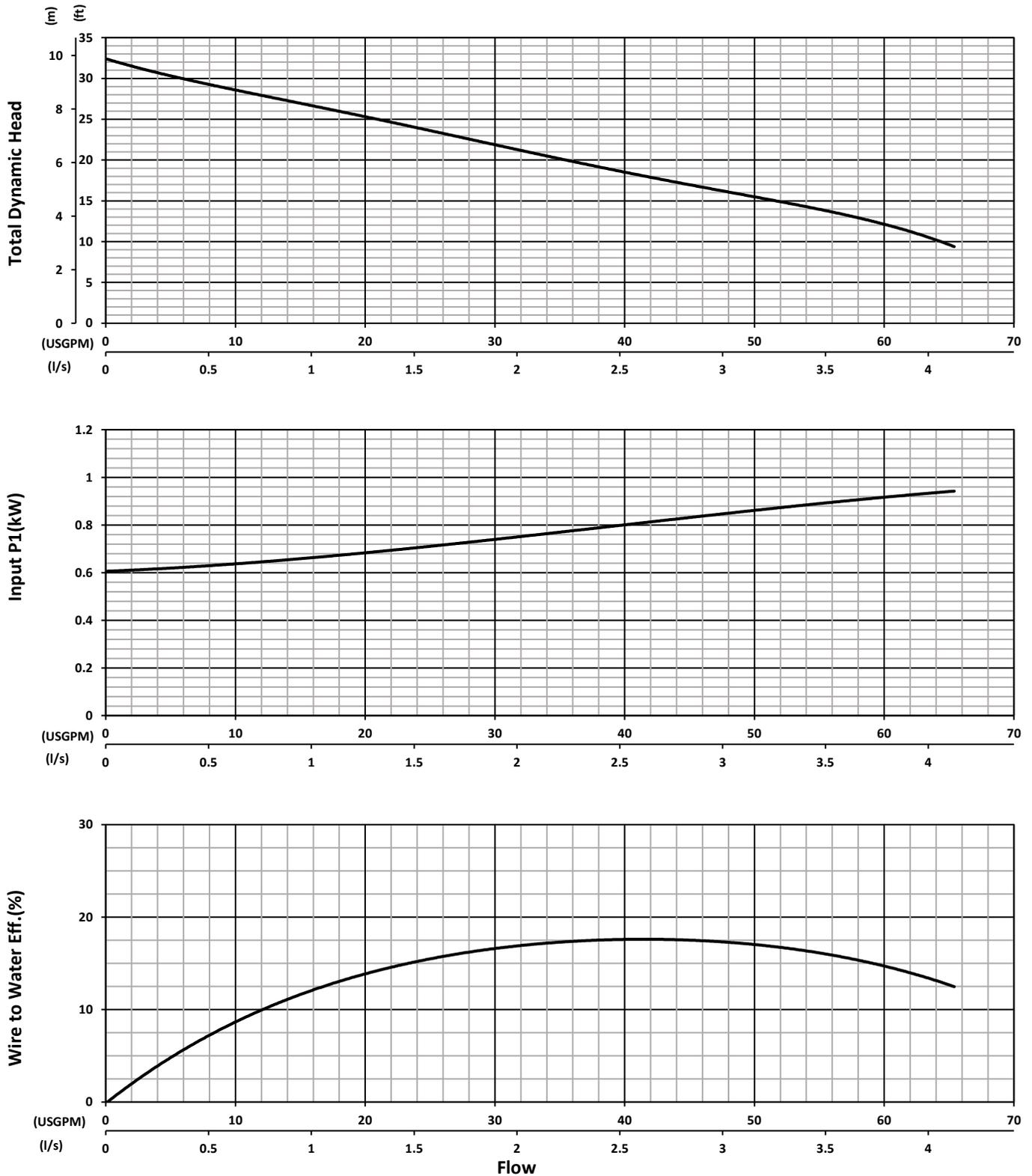
DS-C44-001

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10/31/2023



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

2 - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
84mm

Specifications subject to change without notice