

INDUSTRIAL
FLOW
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® A2-19****Dwg:**

DS-C42-014

Rev:

2

Date:

9/9/2024

GENERAL DATA

MAX. FLOW:	195 GPM (738.2 L/min)
MAX. HEAD:	50' (15.2m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	CLOSED SINGLE VANE NON-CLOG
MINIMUM SUBMERSION DEPTH:	22" (536 mm)
SOLID SIZE:	1.6" (40 mm)
IMPELLER DIAMETER:	3.86" (98 mm)
DISCHARGE SIZE	DN65 PN10
PUMP WEIGHT, without cable:	90.4 lbs (41 kg)
SHIPPING WEIGHT:	94.8 lbs (43 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	6204-ZZCMDNS7S6
BALL BEARING: PERM. LUBE. LOWER	3204B-2ZRTNG

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 2.5 (CONTINUOUS DUTY ²)	
MOTOR RPM	3450	
MOTOR INSULATION CLASS	F	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE ¹ - 60 Hz	230V	460V
CURRENT F.L.A.	8.2	4.1
LOCKED ROTOR CURRENT (LRA)	47.6	23.8
POWER CORD: GAGE; LENGTH	AWG 16/7, 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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INDUSTRIAL
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PERFORMANCE CURVE

BJM Pumps® A2-19

Dwg:

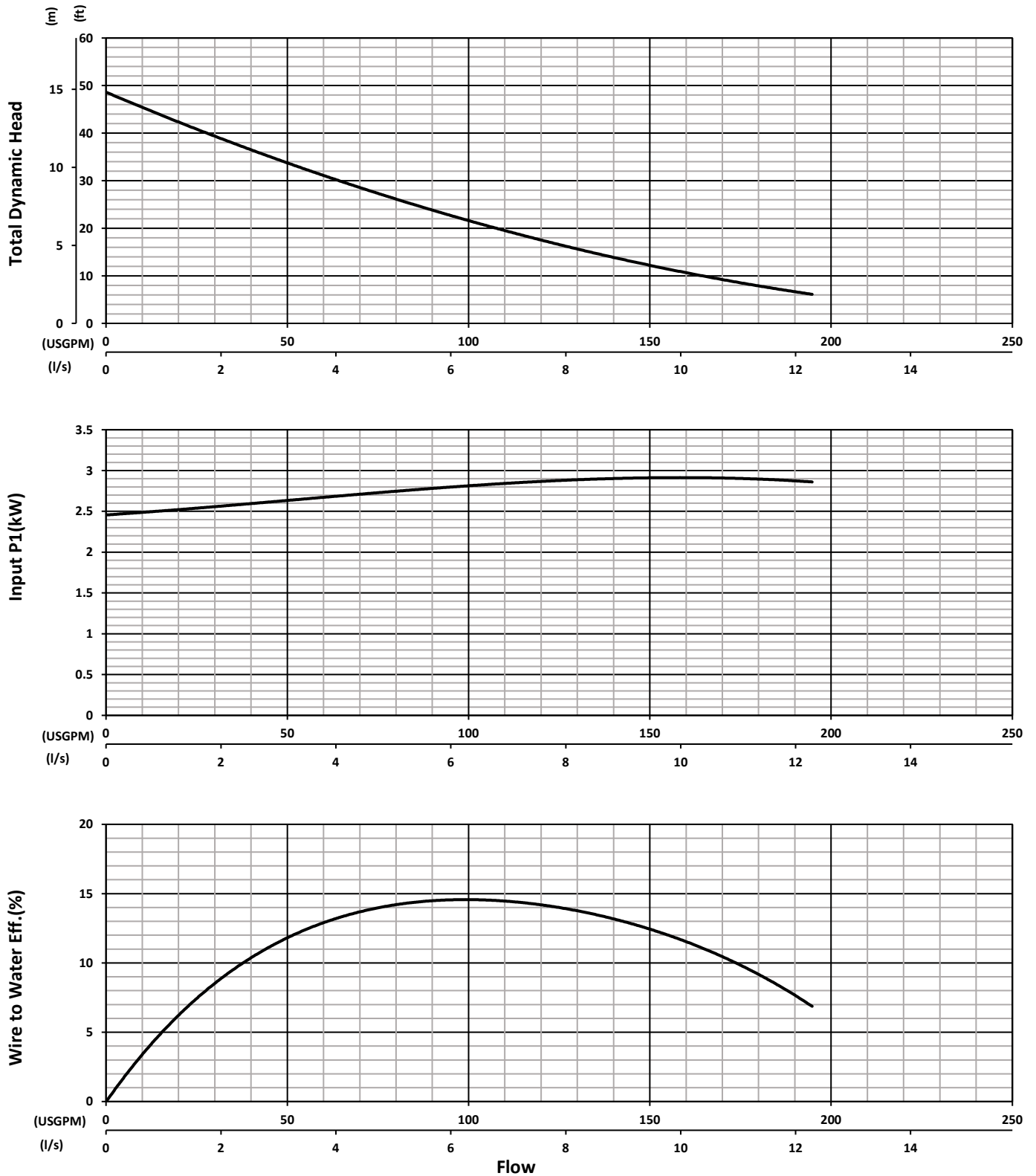
DS-C42-010

Rev:

1

Date:

3/13/2024



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

19 - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
98mm

Specifications subject to change without notice