



INDUSTRIAL  
FLOW  
SOLUTIONS™

## TECHNICAL DATA

**BJM Pumps® A2-41**

Dwg:

DS-C42-011

Rev:

1

Date:

3/13/2024

## GENERAL DATA

MAX. FLOW:	325 GPM (1230.3 L/min)
MAX. HEAD:	83' (25.3m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	SINGLE VANE NON-CLOG
MINIMUM SUBMERSION DEPTH:	22" (556 mm)
SOLID SIZE:	1.8" (45 mm)
IMPELLER DIAMETER:	4.89" (124 mm)
DISCHARGE SIZE	DN 80 PN16
PUMP WEIGHT, without cable:	132.3 lbs (60 kg)
SHIPPING WEIGHT:	143.3 lbs (65 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	6205-ZZCMDNS7S6
BALL BEARING: PERM. LUBE. LOWER	3205B-2ZRTNG

## ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 5.5 (CONTINUOUS DUTY <sup>2</sup> )
MOTOR RPM	3450
MOTOR INSULATION CLASS	F
MOTOR SERVICE FACTOR	1.1
VOLTAGE <sup>1</sup> - 60 Hz	460V
CURRENT F.L.A.	8.3
LOCKED ROTOR CURRENT (LRA)	45.2
POWER CORD: GAGE; LENGTH	AWG 16/7, 33' (10m), SOOW
MOTOR PROTECTION	THERMAL OVERLOAD
SEAL LEAK DETECTOR <sup>3</sup>	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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# PERFORMANCE CURVE

## BJM Pumps® A2-41

Dwg:

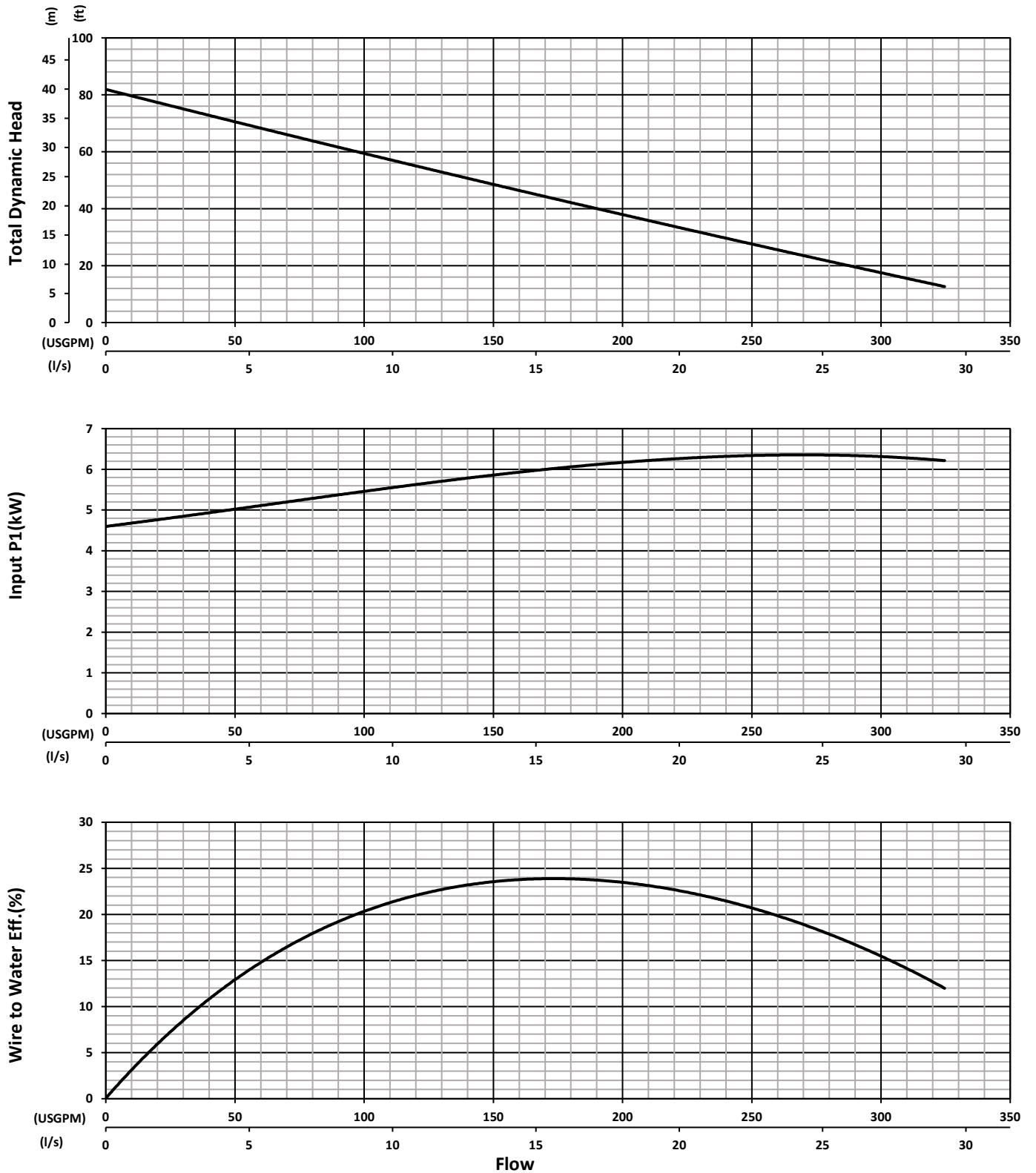
DS-C42-009

Rev:

1

Date:

3/11/2024



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

41 - Dual Units

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller 124mm

Specifications subject to change without notice