

INDUSTRIAL
FLOW
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® BIC 50-2-150****Dwg:**

DS-C50-008

Rev:

1

Date:

11/8/2023

GENERAL DATA

MAX. FLOW:	140 GPM (530 L/min)
MAX. HEAD:	46' (14m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	TWIN CHANNEL IMPELLER, DEWATERING
MINIMUM SUBMERSION DEPTH:	14" (349 mm)
SOLID SIZE:	0.75" (20 mm)
IMPELLER DIAMETER:	3.94" (100 mm)
DISCHARGE SIZE	2" NPS FEMALE
PUMP WEIGHT, without cable:	48.5 lbs (22 kg)
SHIPPING WEIGHT:	49.6 lbs (22.5 kg)

CONSTRUCTION / MATERIAL DATA

MECHANICAL SEAL	SILICON CARBIDE/CERAMIC FKM
MOTOR CASING	CAST IRON, EN 1561 EN-GJL-200
PUMP VOLUTE	CAST IRON, EN 1561 EN-GJL-200
IMPELLER	CAST IRON, EN 1561 EN-GJL-200
LIPSEAL & O-RINGS	FKM
ROTOR SHAFT	STAINLESS STEEL AISI 420
EXTERNAL HARDWARE	STAINLESS STEEL A2-70
BALL BEARINGS: PERM. LUBE. UPPER	6202-2Z
BALL BEARINGS: PERM. LUBE. LOWER	6302-2Z

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, 2 (CONTINUOUS DUTY ²)		
MOTOR RPM	3450		
MOTOR INSULATION CLASS	F		
MOTOR SERVICE FACTOR	1.1		
PHASE	SINGLE	THREE	
VOLTAGE ¹ - 60 Hz	230V	230V	460V
CURRENT F.L.A.	14	6.8	3.4
LOCKED ROTOR CURRENT (LRA)	74.3	36.1	18.1
POWER CORD: GAGE; LENGTH	A.W.G. 14/3; 33' (10 m), STOW w/ NEMA Plugs	A.W.G. 14/4; 33' (10 m), STOW	
MOTOR PROTECTION	IP 68, 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 SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® BIC 50-2-150

Dwg:

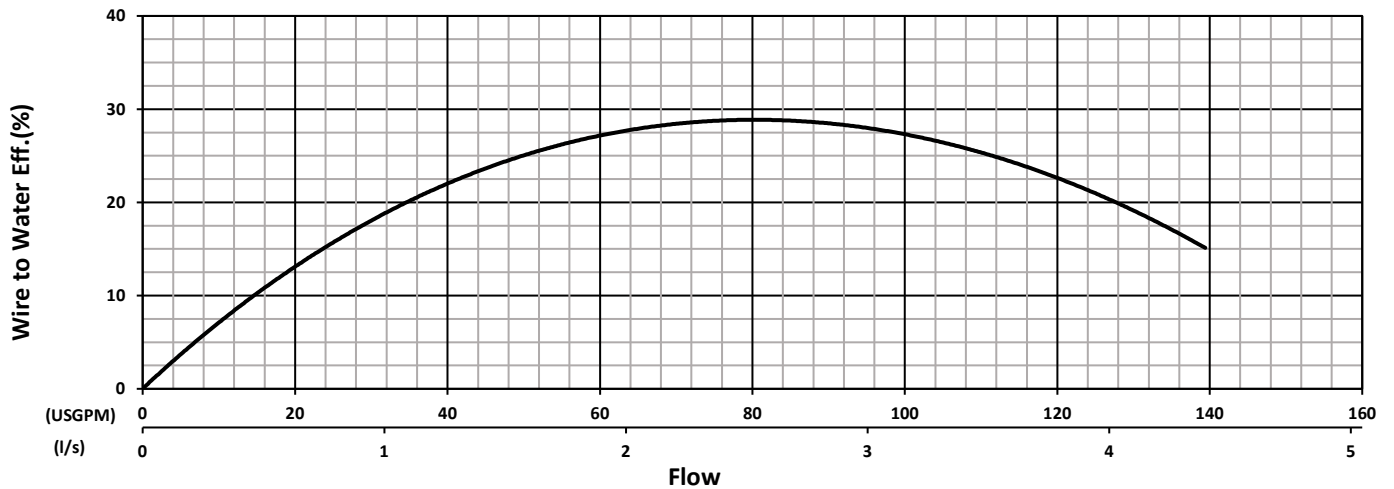
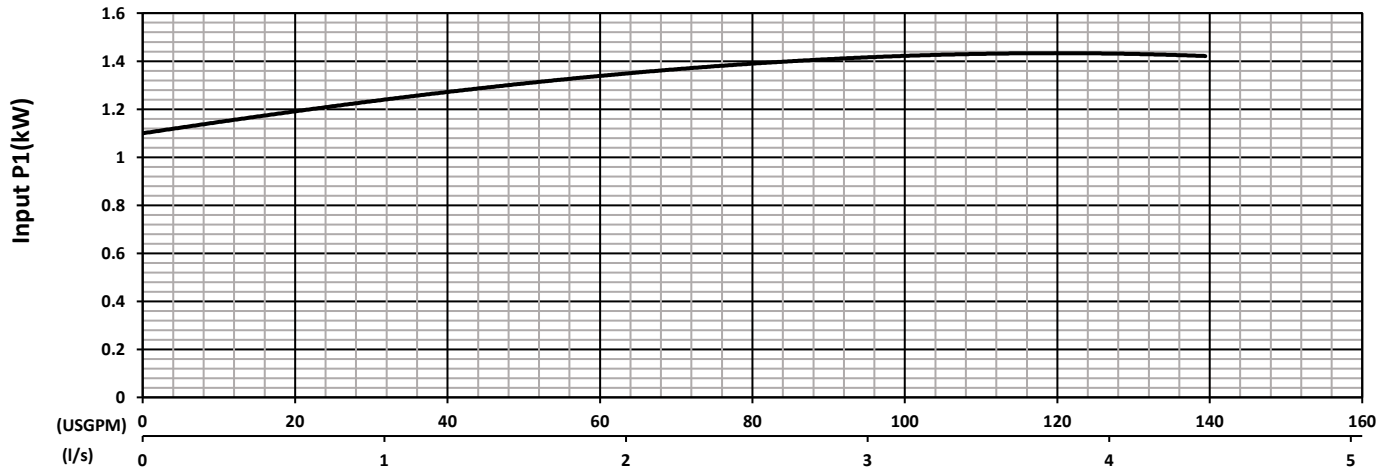
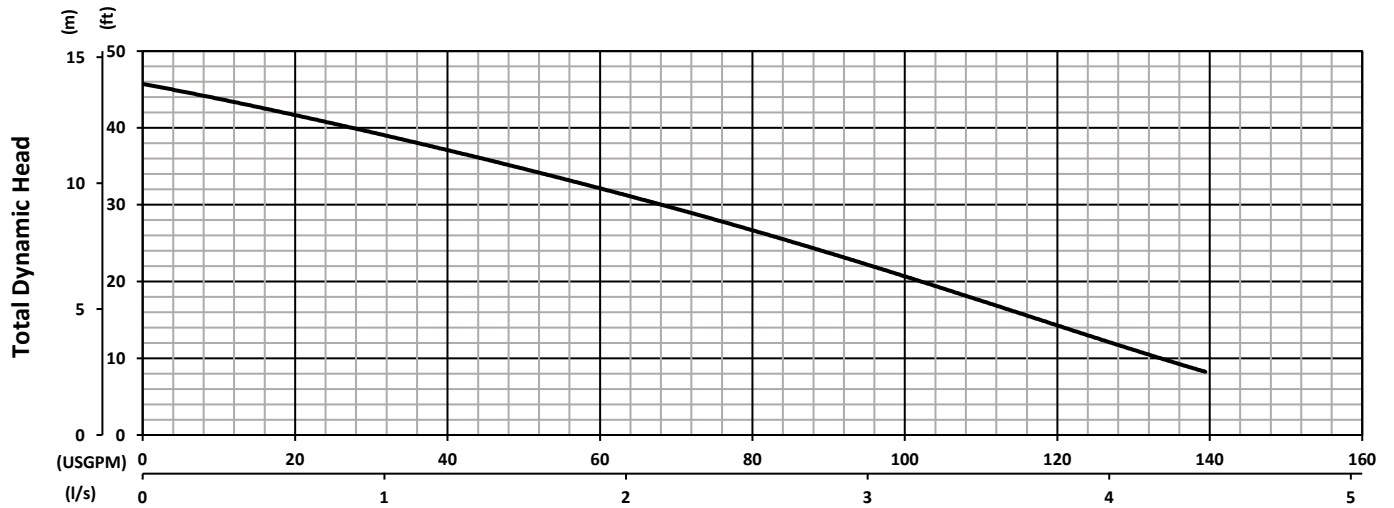
DS-C50-004

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1

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

50-2-150 - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	100mm

Specifications subject to change without notice