

INDUSTRIAL
FLOW
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® BIC 40-2-075****Dwg:**

DS-C50-007

Rev:

1

Date:

11/8/2023

GENERAL DATA

MAX. FLOW:	74 GPM (280.1 L/min)
MAX. HEAD:	42' (12.8m)
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:	3.67" (93 mm)
DISCHARGE SIZE	1.5" NPS FEMALE
PUMP WEIGHT, without cable:	39.7 lbs (18 kg)
SHIPPING WEIGHT:	40.8 lbs (18.5 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.	6201-2Z

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	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

©2023 Industrial Flow Solutions Operating, LLC. All rights reserved.

Industrial Flow Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA
(860) 631-3618 • www.flowsolutions.com



INDUSTRIAL FLOW SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® BIC 40-2-075

Dwg:

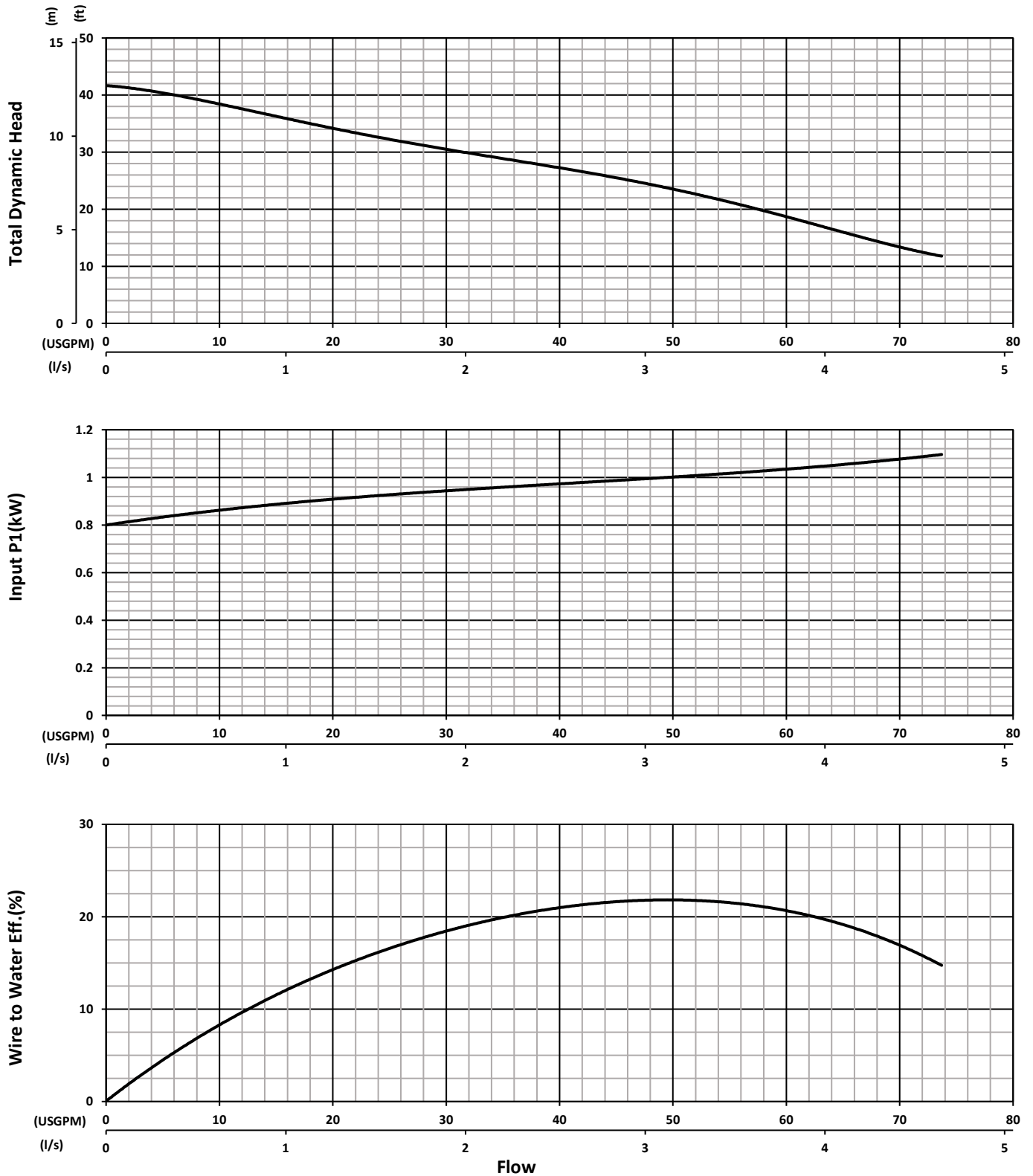
DS-C50-003

Rev:

1

Date:

11/1/2023



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

40-2-075 - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 93mm

Specifications subject to change without notice