

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® KZN37F		
	Dwg:	DS-C16-014	Rev:	1	Date:	8/21/2025

GENERAL DATA

MAX. FLOW:	426 GPM (1612.5 L/min)
MAX. HEAD:	48' (14.6m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	HIGH TEMPERATURE SLURRY HANDLING, TOP DISCHARGE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	33" (821 mm)
PUMP DOWN WATER LEVEL:	12" (305 mm)
SOLID SIZE:	0.88" (22.2 mm)
STRAINER OPENING:	1.38" (34.9 mm)
IMPELLER DIAMETER:	7.68" (195 mm)
DISCHARGE SIZE	3" NPT-MALE (4" NPT-MALE OPTIONAL)
PUMP WEIGHT (without cable):	320 lbs (145 kg)
SHIPPING WEIGHT:	376 lbs (170.5 kg)

CONSTRUCTION / MATERIAL DATA

DUAL MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	CAST IRON
PUMP VOLUTE	DUCTILE IRON
WEAR PLATE	HI-CHROME
AGITATOR	HI-CHROME
IMPELLER	HI-CHROME
STRAINER/STAND	STEEL
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	410 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: OIL LUBRICATED UPPER	6306
BALL BEARING: OIL LUBRICATED LOWER	6308

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	5, SUBMERSIBLE OIL FILLED, (CONT. DUTY ³)		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	R, 428°F (220°C)		
MOTOR SERVICE FACTOR	1.15		
VOLTAGE - 60Hz ¹	230V	460V	575V
CURRENT F.L.A.	17	8.5	6.8
LOCKED ROTOR CURRENT (LRA)	85	43	34
POWER CABLE: GAUGE-LENGTH	AWG 10/4, 50' (15m) HIGH TEMP RATED CABLE		
SENSOR CABLE: ² GAUGE-LENGTH	AWG 18/4, 50' (15m) HIGH TEMP RATED CABLE		
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)		
SEAL LEAK DETECTOR ²	Seal Minder® MOISTURE SENSING PROBE		
MAXIMUM LIQUID TEMPERATURE	200°F (93°C)		

1 - Available in other voltages for 50Hz

2 - Requires a seal fail and thermal sensor circuit in control panel for warranty validity

3 - Continuous duty motor - see minimum submersion depth above

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Industrial Flow Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA

(860) 631-3618 • www.flowsolutions.com

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® KZN37F

Dwg:

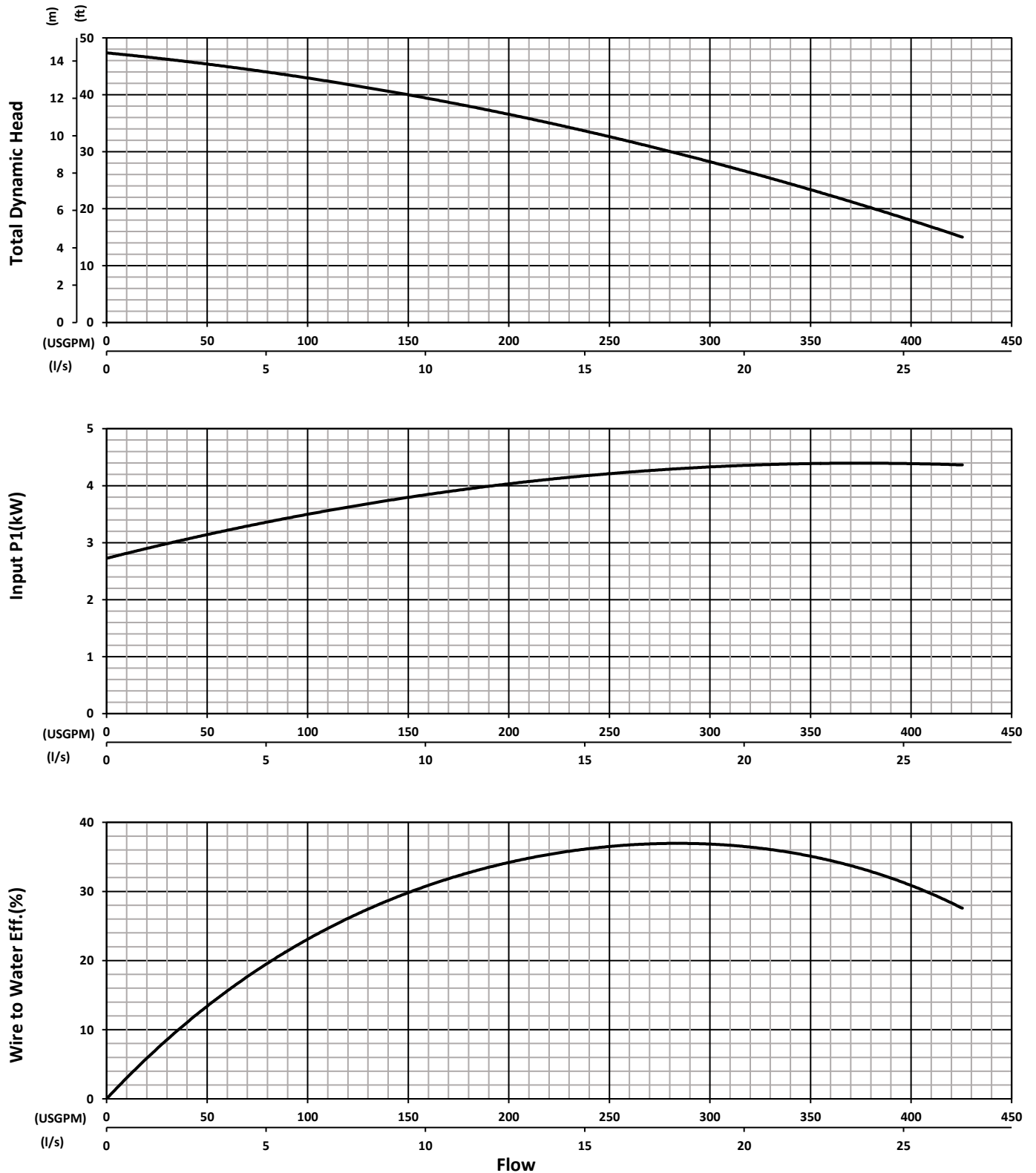
DS-C16-006

Rev:

1

Date:

6/12/2025



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

37F - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
195mm

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