

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® KZN37R		
	Dwg:	DS-C17-014	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	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):	325 lbs (147.3 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 WITH INTERIOR HARDNESS COATING TO 1180 DPH(Rc 71)
WEAR PLATE	HI-CHROME
AGITATOR	HI-CHROME
IMPELLER	HI-CHROME
STRAINER/STAND	STEEL
LIP SEAL & O-RINGS	BUNA-N
ROTOR SHAFT	410 SS
EXTERNAL HARDWARE	304 SS
BALL BEARING: PERM. LUBE. UPPER	6306
BALL BEARING: PERM. LUBE. LOWER	6308

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	5, SUBMERSIBLE , (CONTINUOUS DUTY ³)		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	H		
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 12/5, 50' (15m) SOOW		
SENSOR CABLE: (OPTIONAL ²) GAUGE-LENGTH	AWG 18/2, 50' (15m) SOOW		
MOTOR PROTECTION	THERMAL & AMP. OVERLOAD		
SEAL LEAK DETECTOR (OPTIONAL ²)	Seal Minder® MOISTURE SENSING PROBE		
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)		

1 - Available in other voltages for 50Hz

2 - Requires a seal fail circuit in control panel for warning signal

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® KZN37R

Dwg:

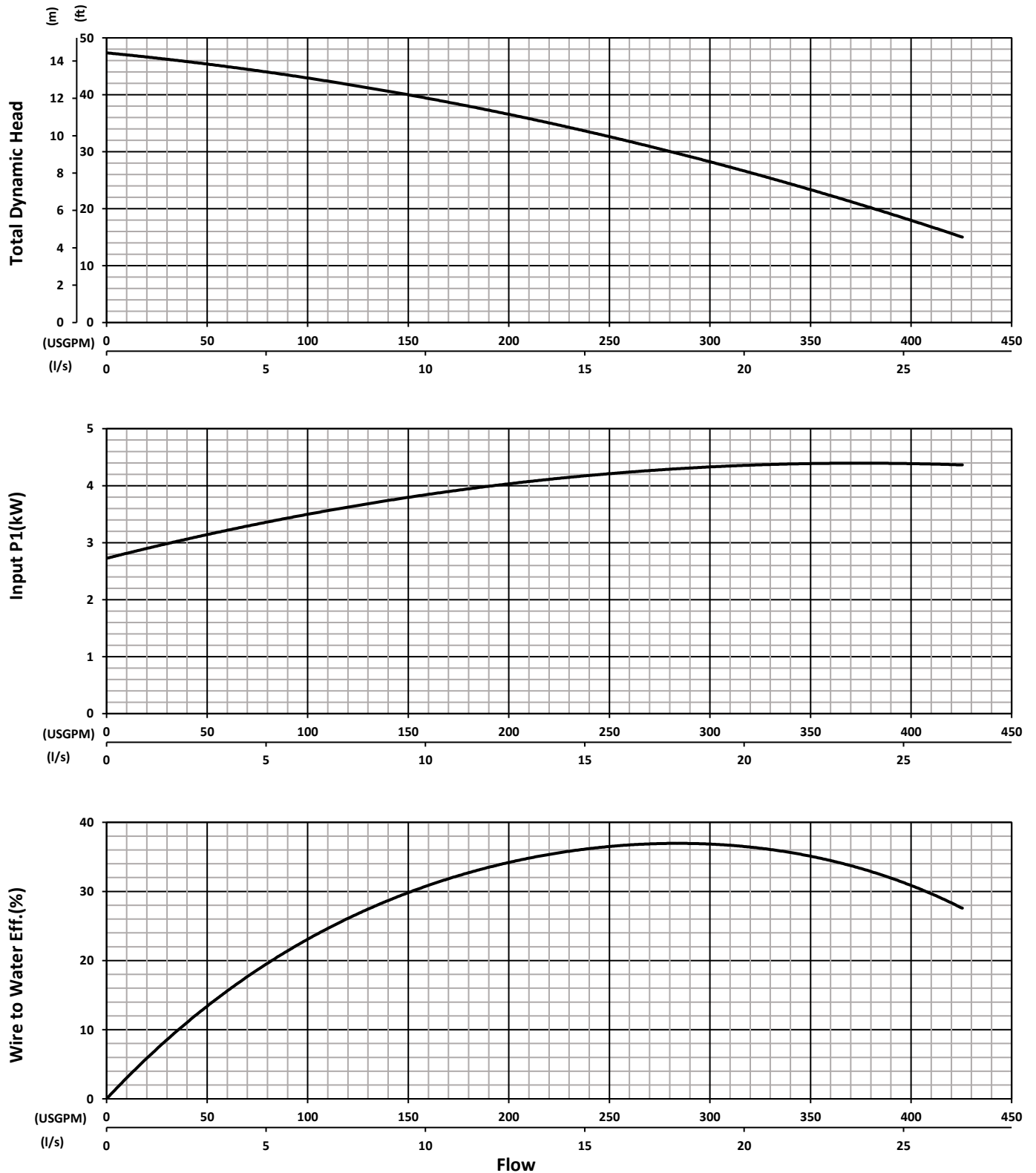
DS-C17-005

Rev:

1

Date:

6/12/2025



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

37R - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
195mm

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