



INDUSTRIAL  
FLOW  
SOLUTIONS™

## TECHNICAL DATA

**BJM Pumps® KZN55CHR**

**Dwg:**

DS-C17-019

**Rev:**

1

**Date:**

8/21/2025

## GENERAL DATA

MAX. FLOW:	392 GPM (1483.8 L/min)
MAX. HEAD:	61' (18.5m)
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 <sup>3</sup>	33" (820 mm)
PUMP DOWN WATER LEVEL:	12" (305 mm)
SOLID SIZE:	1" (25.4 mm)
STRAINER OPENING:	1.38" (34.9 mm)
IMPELLER DIAMETER:	10.83" (275 mm)
DISCHARGE SIZE	3" NPT-MALE (4" NPT-MALE OPTIONAL)
PUMP WEIGHT (without cable):	373 lbs (169.1 kg)
SHIPPING WEIGHT:	426 lbs (193.2 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	7.5, SUBMERSIBLE , (CONTINUOUS DUTY <sup>3</sup> )		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	H		
MOTOR SERVICE FACTOR	1.15		
VOLTAGE - 60Hz <sup>1</sup>	230V	460V	575V
CURRENT F.L.A.	19.5	9.5	7.8
LOCKED ROTOR CURRENT (LRA)	130	65	48
POWER CABLE: GAUGE-LENGTH	AWG 10/5, 50' (15m) SOOW		
SENSOR CABLE: (OPTIONAL <sup>2</sup> ) GAUGE-LENGTH	AWG 18/2, 50' (15m) SOOW		
MOTOR PROTECTION	THERMAL & AMP. OVERLOAD		
SEAL LEAK DETECTOR (OPTIONAL <sup>2</sup> )	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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SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL FLOW SOLUTIONS™

# PERFORMANCE CURVE

# BJM Pumps® KZN55CHR

Dwg:

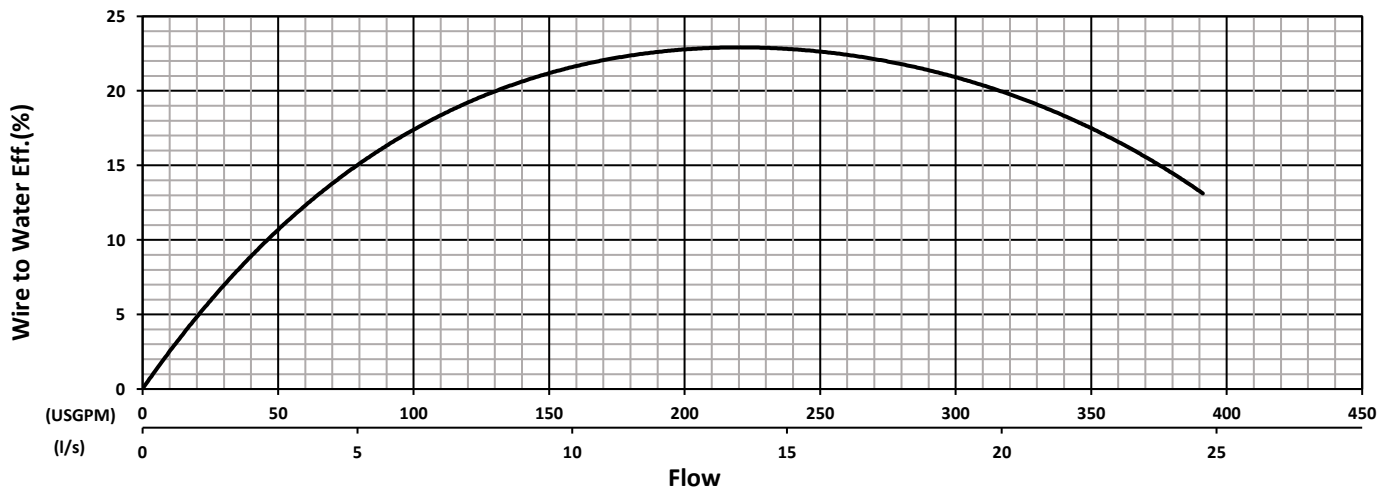
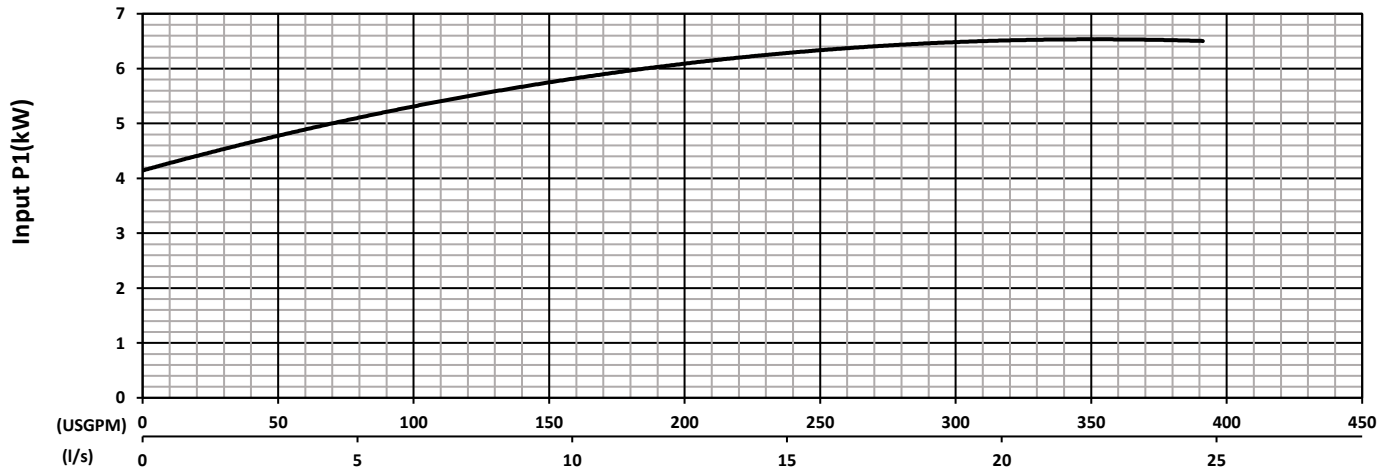
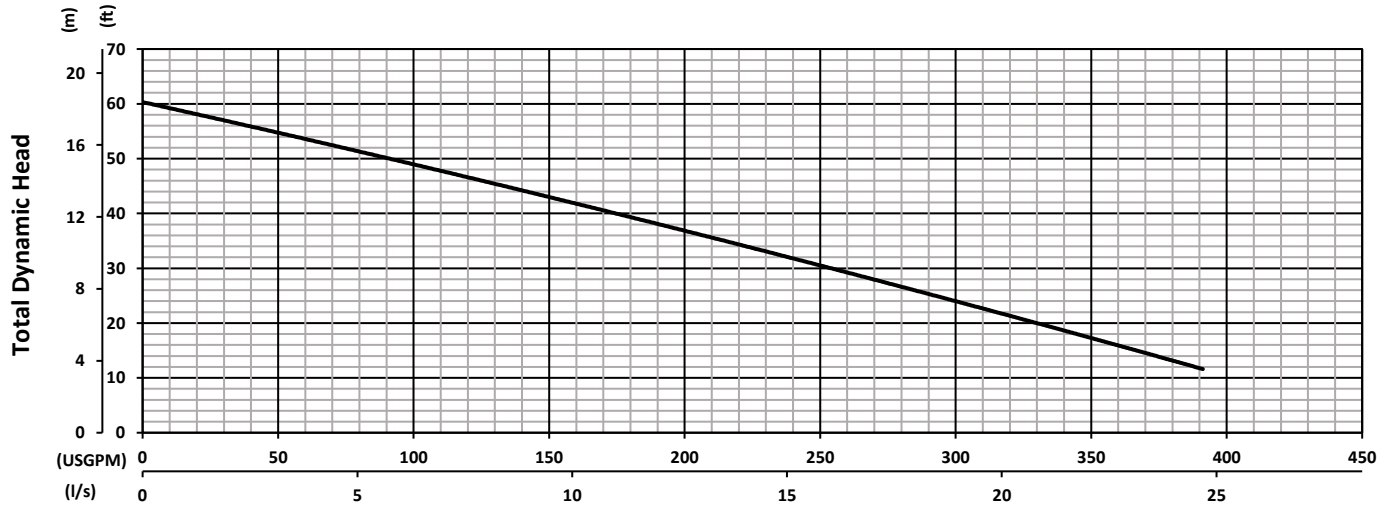
DS-C17-018

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7/30/2025



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

55HR - Dual Units

Frequency	60 Hz
Pump Speed	1750 RPM
Impeller	275mm

Specifications subject to change without notice