

INDUSTRIAL  
FLOW  
SOLUTIONS™**TECHNICAL DATA****BJM Pumps® KZN55CH****Dwg:**

DS-C15-007

**Rev:**

1

**Date:**

2/3/2025

**GENERAL DATA**

MAX. FLOW:	450 GPM (1703.4 L/min)
MAX. HEAD:	69' (21m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	SLURRY HANDLING
MINIMUM SUBMERSION DEPTH:	33" (820 mm)
SOLID SIZE:	1" (25.4 mm)
IMPELLER DIAMETER:	10.83" (275 mm)
DISCHARGE SIZE	3" NPT-MALE (4" NPT-MALE OPTIONAL)
PUMP WEIGHT, without cable:	367.7 lbs (166.8 kg)
SHIPPING WEIGHT:	421.1 lbs (191 kg)

**CONSTRUCTION / MATERIAL DATA**

DUAL MECHANICAL SEALS	SILICON CARBIDE/SILICON CARBIDE BUNA-N
MOTOR HOUSING	CAST IRON
<b>PUMP VOLUTE</b>	DUCTILE IRON
WEAR PLATE	HI-CHROME
AGITATOR	HI-CHROME
IMPELLER	HI-CHROME
STRAINER/STAND	STEEL
O-RINGS & LIP SEALS	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: TYPE, RATING HP	SUBMERSIBLE, 7.5 (CONTINUOUS DUTY <sup>2</sup> )		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	HI-CHROME		
MOTOR SERVICE FACTOR	1.15		
VOLTAGE <sup>1</sup> - 60 Hz	230V	460V	575V
CURRENT F.L.A.	19.5	9.5	7.8
LOCKED ROTOR CURRENT (LRA)	130	65	48
POWER CORD: GAGE; LENGTH	AWG 10/5, 50' (15.2m), SOOW		
MOTOR PROTECTION	THERMAL & AMP OVERLOAD		
SEAL LEAK DETECTOR <sup>3</sup>	Seal Minder® MOISTURE SENSING PROBE		
MAXIMUM LIQUID TEMPERATURE	104°F (40°C)		

1 - Available in other voltages for 50Hz

2 - Continuous duty motor - see minimum submersion depth above

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

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# PERFORMANCE CURVE

## BJM Pumps® KZN55CH

Dwg:

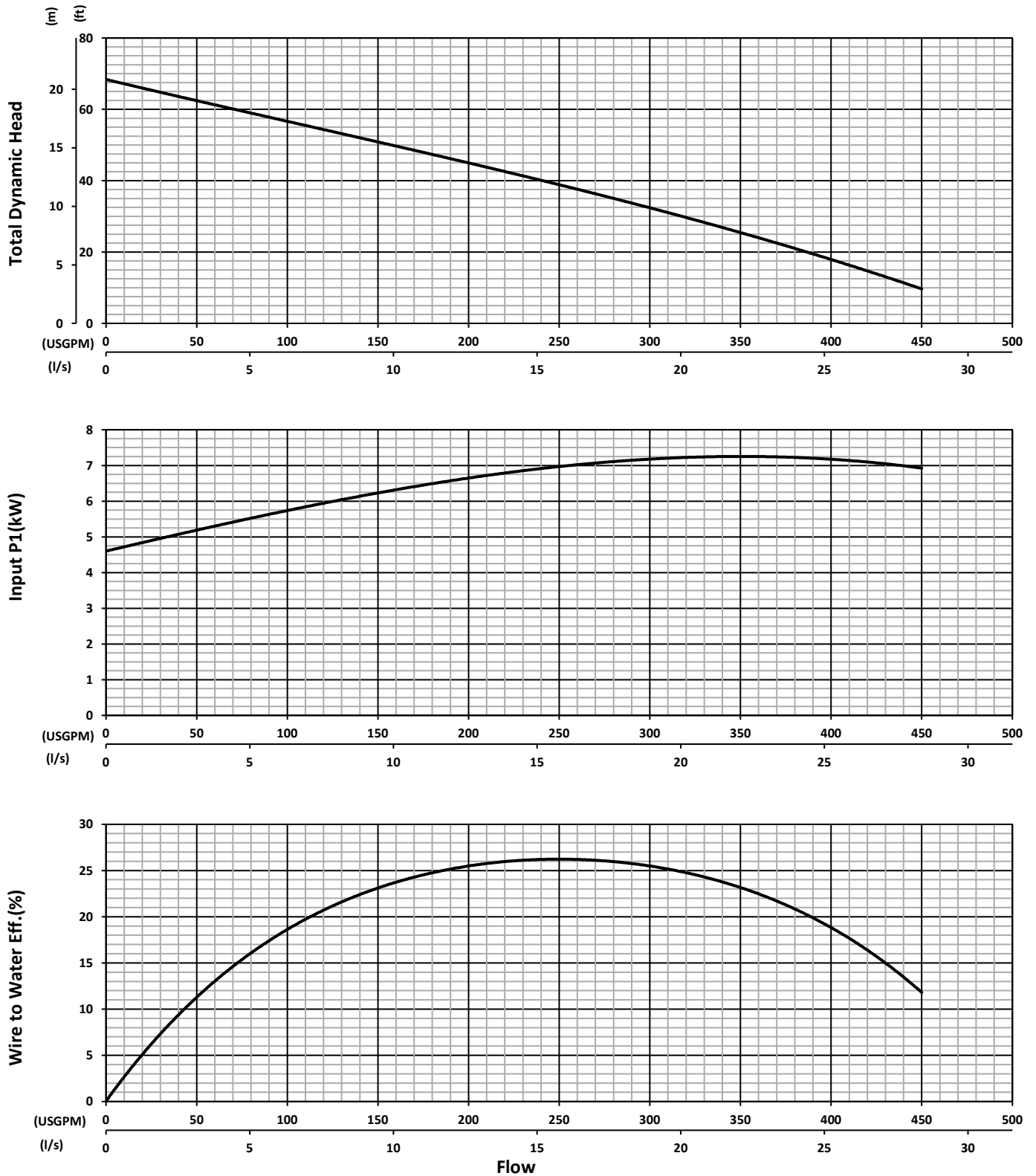
DS-C15-006

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1

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

KZN55CH - Dual Units

Frequency 60 Hz  
Pump Speed 1725 RPM  
Impeller 275mm

Specifications subject to change without notice