

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® KZN55RF		
	Dwg:	DS-C18-013	Rev:	1	Date:	8/27/2025

GENERAL DATA

MAX. FLOW:	569 GPM (2153.8 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	HIGH TEMPERATURE SLURRY HANDLING, TOP DISCHARGE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ¹	33" (821 mm)
PUMP DOWN WATER LEVEL:	12" (305 mm)
SOLID SIZE:	1" (25.4 mm)
STRAINER OPENING:	1.38" (34.9 mm)
IMPELLER DIAMETER:	8.67" (220 mm)
DISCHARGE SIZE	4" NPT-MALE (3" NPT-MALE OPTIONAL)
PUMP WEIGHT (without cable):	338 lbs (153.2 kg)
SHIPPING WEIGHT:	391 lbs (177.3 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	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	7.5, SUBMERSIBLE OIL FILLED, (CONT. DUTY ¹)		
MOTOR RPM	1750		
MOTOR INSULATION CLASS	R, 428°F (220°C)		
MOTOR SERVICE FACTOR	1.15		
VOLTAGE - 60Hz	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 10/4, 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 - Continuous duty motor - see minimum submersion depth above

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

©2025 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

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps® KZN55RF

Dwg:

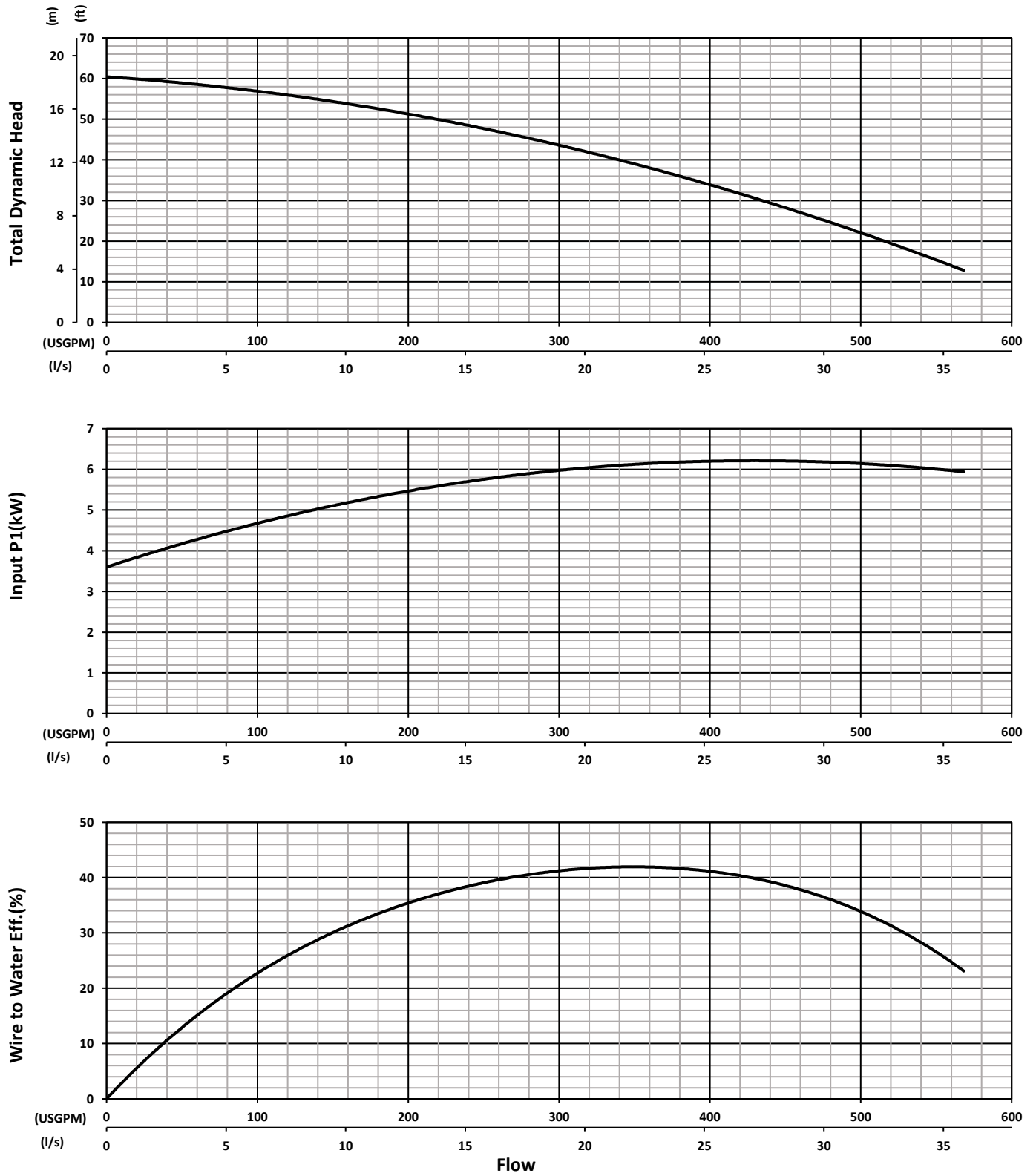
DS-C18-006

Rev:

1

Date:

6/12/2025



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

55RF - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
1750 RPM
220mm

Specifications subject to change without notice