

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® KB55F		
	Dwg:	DS-C11-011	Rev:	1	Date:	8/15/2025

GENERAL DATA

MAX. FLOW:	445 GPM (1684.5 L/min)
MAX. HEAD:	86' (26.2m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	HIGH TEMP. DEWATERING/MILD SLURRY TOP DISCHARGE
MINIMUM SUBMERSION DEPTH: FOR CONT. DUTY ³	28.5" (724 mm)
PUMP DOWN WATER LEVEL:	7.52" (191 mm)
SOLID SIZE:	0.4" (10 mm)
IMPELLER DIAMETER:	5.5" (139 mm)
DISCHARGE SIZE	4" NPT-MALE
PUMP WEIGHT (without cable):	254 lbs (115 kg)
SHIPPING WEIGHT:	335 lbs (152 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC, FKM
LOWER 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
STAND	STEEL
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 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 ³)		
MOTOR RPM	3450		
MOTOR INSULATION CLASS	R, 428°F (220°C)		
MOTOR SERVICE FACTOR	1.1		
VOLTAGE - 60Hz ¹	230V	460V	575V
CURRENT F.L.A.	20.4	9.9	7.6
LOCKED ROTOR CURRENT (LRA)	126	63	50
POWER CABLE: GAGE-LENGTH	AWG 10/4, 50' (15m) HIGH TEMP RATED CABLE		
SENSOR CABLE: ² GAGE-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 thermal and seal fail circuit in control panel for warranty validity

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® KB55F

Dwg:

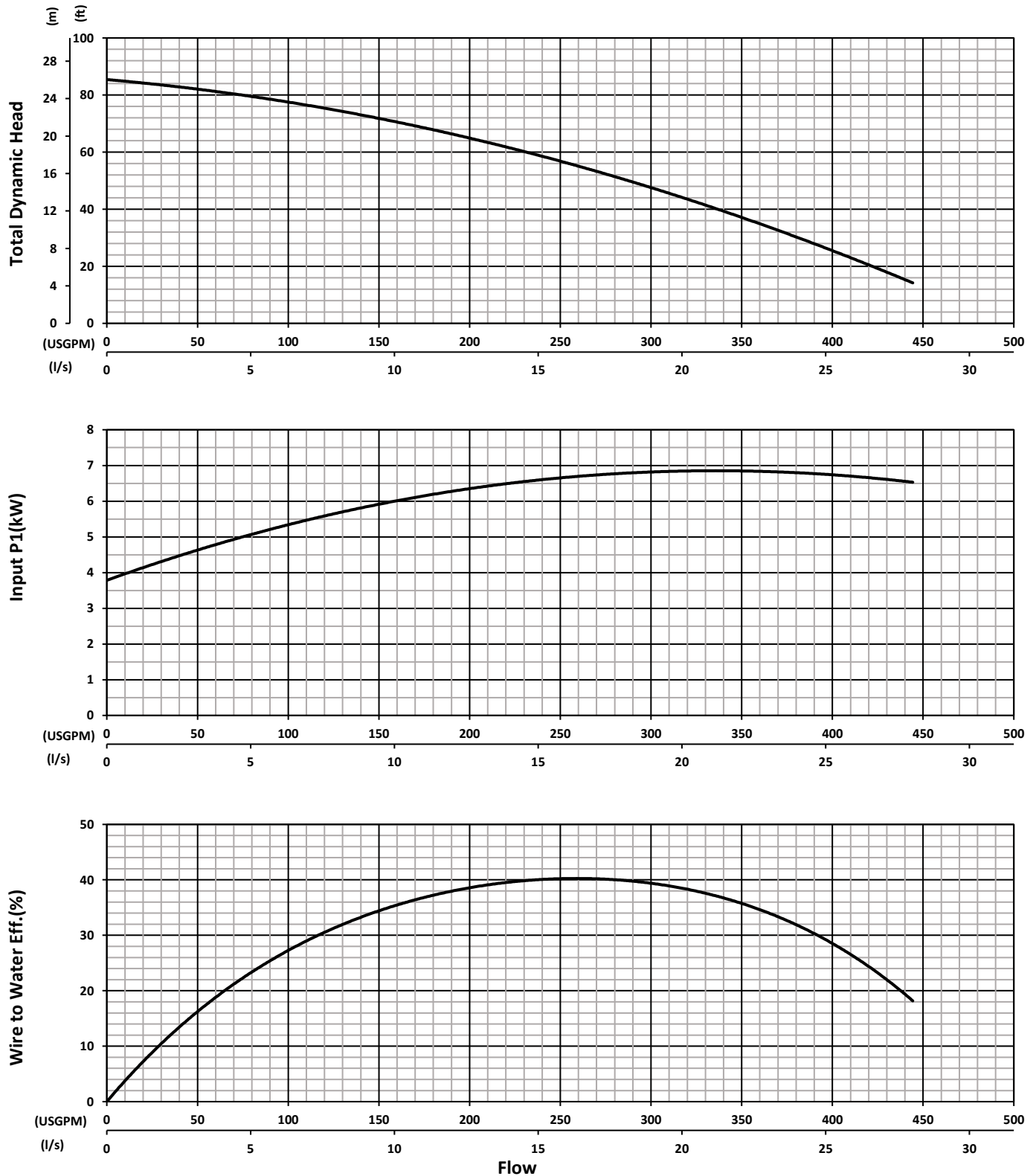
DS-C11-006

Rev:

1

Date:

6/20/2025



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

55F - Dual Units

Frequency
Pump Speed
Impeller

60 Hz
3450 RPM
139mm

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