



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

BJM Pumps® SK110CF

Dwg:

DS-C26-017

Rev:

1

Date:

8/13/2025

GENERAL DATA

MAX. FLOW:	787 GPM (2979.1 LPM)
MAX. HEAD:	90' (27.4m)
MAX. SUBMERSION DEPTH:	65' (20 m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE:	SOLIDS HANDLING, NON-CLOG SHREDDER, HIGH TEMP
MINIMUM SUBMERSION DEPTH FOR CONT. DUTY ³ :	21.5" (546 mm)
SOLID SIZE:	3.5" (89 mm)
IMPELLER DIAMETER:	10.04" (255 mm)
DISCHARGE SIZE:	6" ANSI FLANGE
SLIDE RAIL SYSTEM	6" CAST IRON
PUMP WEIGHT (without cable):	510 lbs (231 kg)
SHIPPING WEIGHT:	606 lbs (275 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/SILICON CARBIDE, FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/ SILICONE CARBIDE, FKM
MOTOR HOUSING	304 SS
PUMP VOLUTE	CAST IRON
IMPELLER	DUCTILE IRON
IMPELLER SHREDDER BLADE	TUNGSTEN CARBIDE
LIP SEAL & O-RINGS	FKM
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 SS
BEARING, OIL LUBRICATED, UPPER:	6306
BEARING, OIL LUBRICATED, LOWER:	6309 (x2)

ELECTRICAL / MOTOR DATA

MOTOR: HP, TYPE, RATING	15, SUBMERSIBLE OIL FILLED, (CONTINUOUS DUTY ³)	
MOTOR RPM	1750	
MOTOR INSULATION CLASS	R, 428°F (220°C)	
MOTOR SERVICE FACTOR	1.1	
VOLTAGE - 3PH - 60Hz ¹	460V	575V
CURRENT F.L.A.	19.8	13.7
LOCKED ROTOR CURRENT (LRA)	110	85
POWER CABLE: GAGE-LENGTH	AWG 8/4, 33' (10m) 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	
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 seal fail and thermal circuit in control panel for warranty validity.

3 - Continuous duty motor - see minimum submersion depth above.

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PERFORMANCE CURVE

BJM Pumps® SK110CF

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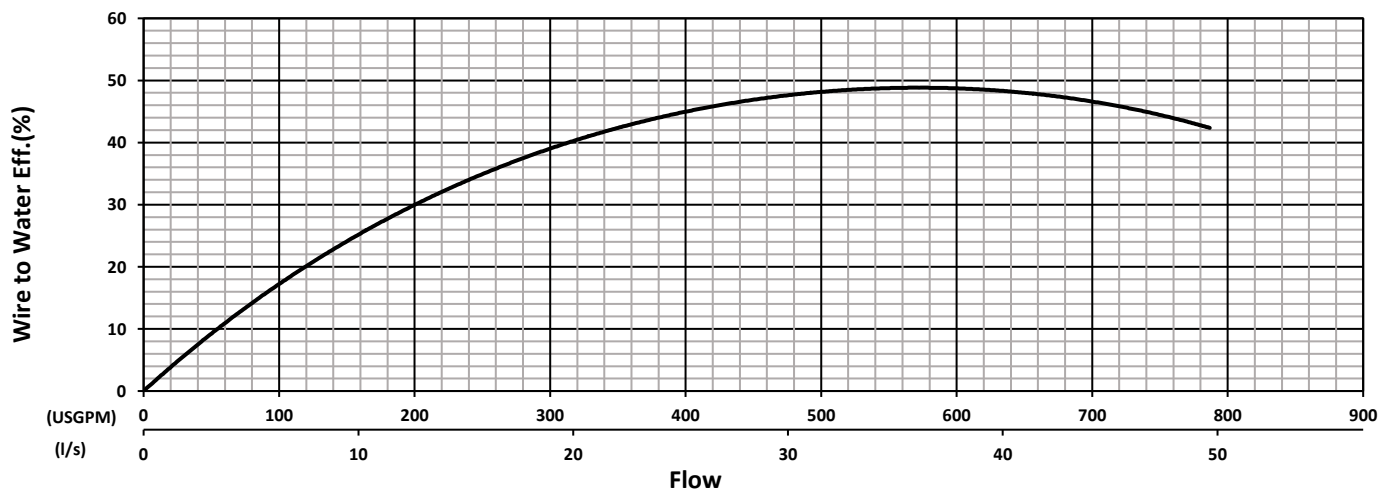
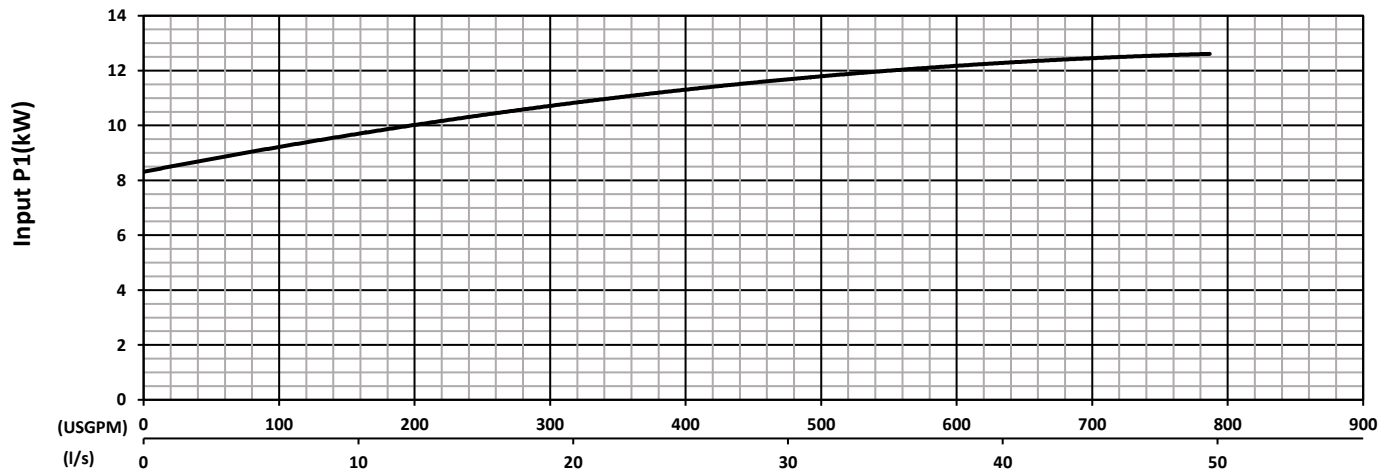
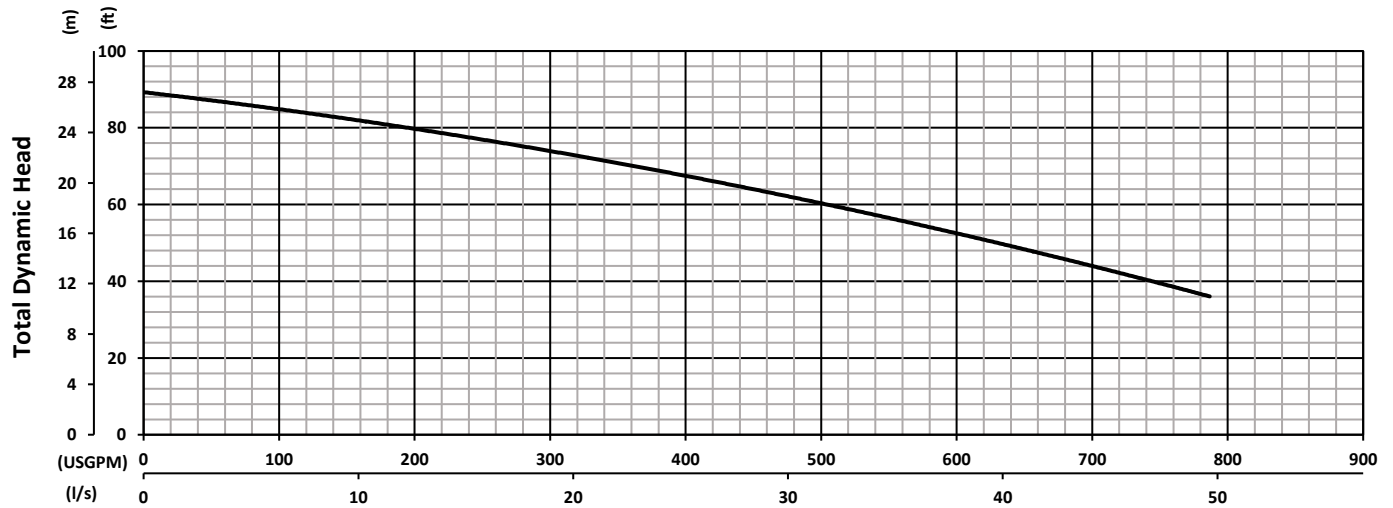
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Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

110CF - Dual Units

Frequency 60 Hz
Pump Speed 1750 RPM
Impeller 255mm

Specifications subject to change without notice