

 INDUSTRIAL FLOW SOLUTIONS™	TECHNICAL DATA			BJM Pumps® SX55CSSF		
	Dwg:	DS-C30-004	Rev:	1	Date:	4/28/2025

GENERAL DATA

MAX. FLOW:	363 GPM (1374.1 L/min)
MAX. HEAD:	85' (25.9m)
MAX. SUBMERSION DEPTH:	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	OPEN VANE NON-CLOG
MINIMUM SUBMERSION DEPTH:	19" (483 mm)
SOLID SIZE:	2.5" (64 mm)
IMPELLER DIAMETER:	6.19" (157 mm)
DISCHARGE SIZE	4" NPT FEMALE
SLIDE RAIL SYSTEM	4"
PUMP WEIGHT, without cable:	198 lbs (90 kg)
SHIPPING WEIGHT:	252 lbs (114.1 kg)

CONSTRUCTION / MATERIAL DATA

UPPER MECHANICAL SEAL	CARBON/CERAMIC FKM
LOWER MECHANICAL SEAL	SILICON CARBIDE/SILICON CARBIDE FKM
MOTOR CASING	316 SS
PUMP VOLUTE	316 SS
IMPELLER	TWO VANE, 316 SS
LIP SEAL & O-RINGS	VITON
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
QTY. OIL IN MOTOR STATOR	OIL-FILLED W/ SHELL FM32, NSF APPROVED
QTY. OIL IN SEAL CHAMBER	35.5 US FL OZ. (1050 CC)
BALL BEARING: PERM. LUBE. UPPER	6305
BALL BEARING: PERM. LUBE. LOWER	6207 x 2

ELECTRICAL / MOTOR DATA

MOTOR: TYPE, RATING HP	SUBMERSIBLE, OIL-FILED, 7.5 (CONTINUOUS DUTY)			
MOTOR RPM	3450			
MOTOR INSULATION CLASS	R, 428°F (220°C)			
MOTOR SERVICE FACTOR	1.1			
VOLTAGE ¹ - 60 Hz	208V Option	230V	460V	575V
CURRENT F.L.A.	23.1	21	10.5	7.6
LOCKED ROTOR CURRENT (LRA)	138.6	126	63	47
POWER CABLE: GAGE; LENGTH	AWG 10/4, 33' (10m), HIGH TEMP. RATED CORD			
SENSOR CABLE: GAGE; LENGTH ²	AWG 18/4, 33' (10m), HIGH TEMP RATED CORD			
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	104°F (40°C)			

1 - Available in other voltages for 50Hz

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

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INDUSTRIAL
FLOW
SOLUTIONS™

PERFORMANCE CURVE

BJM Pumps SX55CSS-F

Dwg:

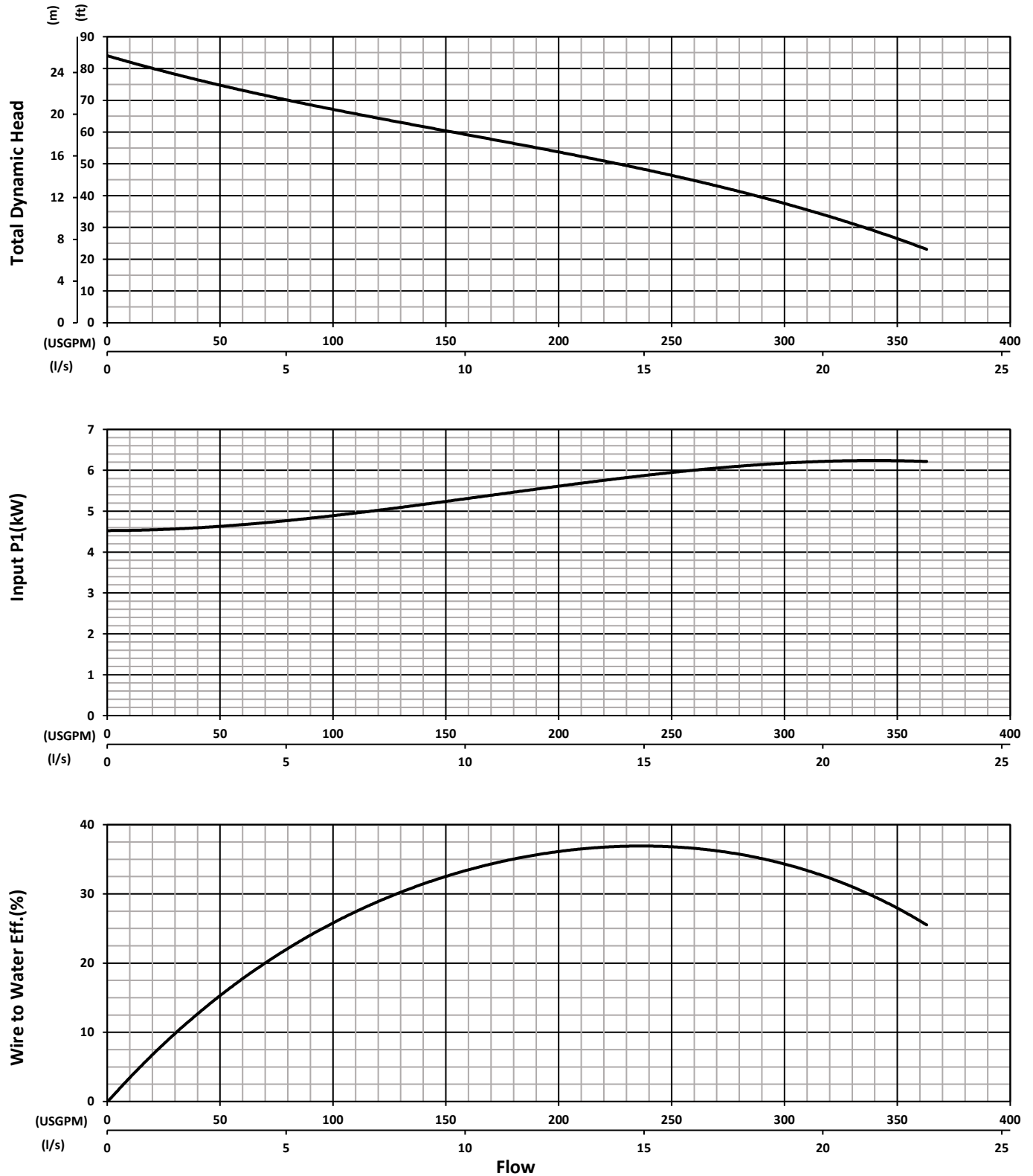
DS-C30-005

Rev:

1

Date:

4/22/2025



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

55CSS-F - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 157mm

Specifications subject to change without notice