

TECHNICAL DATA
MODEL SX55CSS-F
BJM Pumps® SUBMERSIBLE PUMP-316 SS For
High Temperature Service
GENERAL DATA

MAX. FLOW: GPM (L/min)	450 GPM (1703 L/min)
MAX. HEAD: ft (m)	78' (23.7 m)
MAX. SUBMERSION DEPTH: ft (m)	65' (20m) or limited to length of power cord, Consult factory for deeper depths
PUMP TYPE	OPEN VANE NON CLOG
SOLID SIZE: in (mm)	2.5" (64 mm)
IMPELLER DIAMETER: in (mm)	6.19" (157 mm)
DISCHARGE SIZE	4" NPT-FEMALE
SLIDE RAIL DISCHARGE SIZE	4"
PUMP WEIGHT, without cable: lbs (kg)	198 lbs (90 kg)
SHIPPING WEIGHT: lbs (kg)	251 lbs (114.1 kg)

CONSTRUCTION/MATERIAL DATA

MECHANICAL SEAL - UPPER	CARBON/CERAMIC – VITON® elastomers
MECHANICAL SEAL - LOWER	SILICON CARBIDE/SILICON CARBIDE – VITON elastomers
MOTOR HOUSING	316 SS
PUMP VOLUTE	316 SS
IMPELLER	TWO VANE, 316 SS
SUCTION COVER	316 SS
STAND	316 SS
LIPSEAL & O-RINGS	VITON
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
QTY. OIL IN MOTOR STATOR	OIL-FILLED W/ SHELL FM 32, NSF APPROVED
QTY. OIL IN SEAL CHAMBER	35.5 US FL. OZ. (1050 C.C.), SHELL FM 32, NSF APPROVED
BALL BEARING: OIL LUBRICATED UPPER	6305
BALL BEARING: OIL LUBRICATED LOWER	6207 (x2)

ELECTRICAL /MOTOR DATA

MOTOR: TYPE, RATING HP	Submersible, Oil-Filled , Continuous Duty, 7.5			
MOTOR RPM	3450			
MOTOR INSULATION CLASS	R, 428°F (220°C)			
MOTOR SERVICE FACTOR	1.1			
VOLTAGE - 3 PH, 60 Hz	208V option	230V	460V	575V option
CURRENT F.L.A.	23.1	21	10.5	7.6
LOCKED ROTOR CURRENT (LRA)	138.6	126	63	47
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)			
POWER CORD: GAGE; LENGTH	A.W.G. 10/4; 33' (10 m), HIGH TEMP. RATED CORD			
SENSOR CABLE: GAGE; LENGTH	A.W.G. 18/4; 33' (10 m), HIGH TEMP. RATED CABLE			
MAXIMUM LIQUID TEMPERATURE	200°F (93°C)			
SEAL LEAK DETECTOR ¹	Seal Minder®; MOISTURE SENSING PROBE			

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

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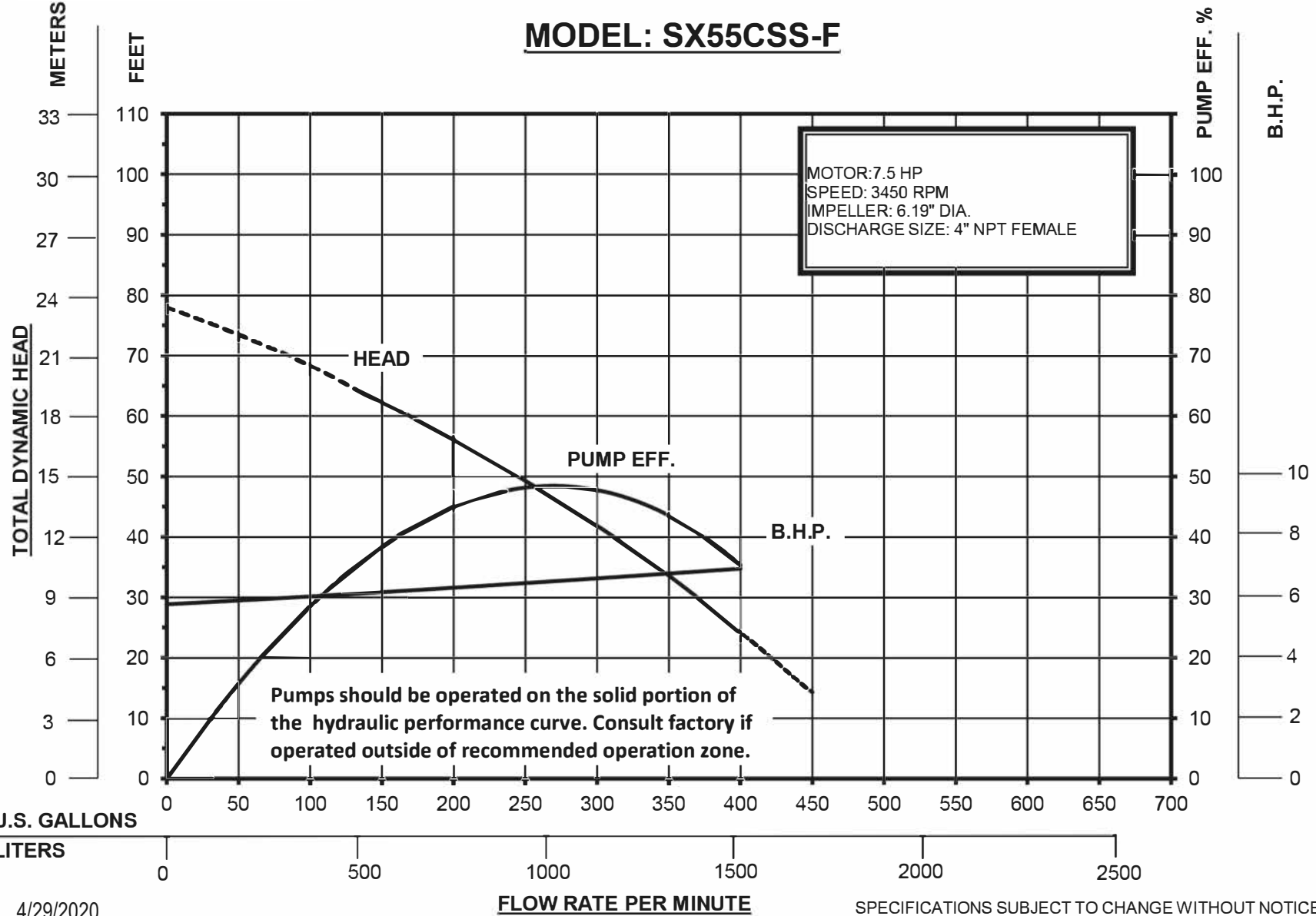
REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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4/29/2020

FLOW RATE PER MINUTE

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