

**TECHNICAL DATA**  
**MODEL S55C-F**  
**BJM Pumps® SUBMERSIBLE PUMP-CAST IRON**  
**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)	194 lbs (88.2 kg)
SHIPPING WEIGHT: lbs (kg)	247 lbs (112.3 kg)

**CONSTRUCTION/MATERIAL DATA**

MECHANICAL SEAL - UPPER	CARBON/CERAMIC – VITON® FITTED
MECHANICAL SEAL - LOWER	SILICON CARBIDE/SILICON CARBIDE – VITON FITTED
MOTOR HOUSING	304 SS
PUMP VOLUTE	CAST IRON
IMPELLER	TWO VANE, CAST IRON
SUCTION COVER	CAST IRON
STAND	CAST IRON
LIPSEAL & O-RINGS	VITON
ROTOR SHAFT	304 SS
EXTERNAL HARDWARE	304 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 <sup>1</sup>	Seal Minder®; MOISTURE SENSING PROBE			

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

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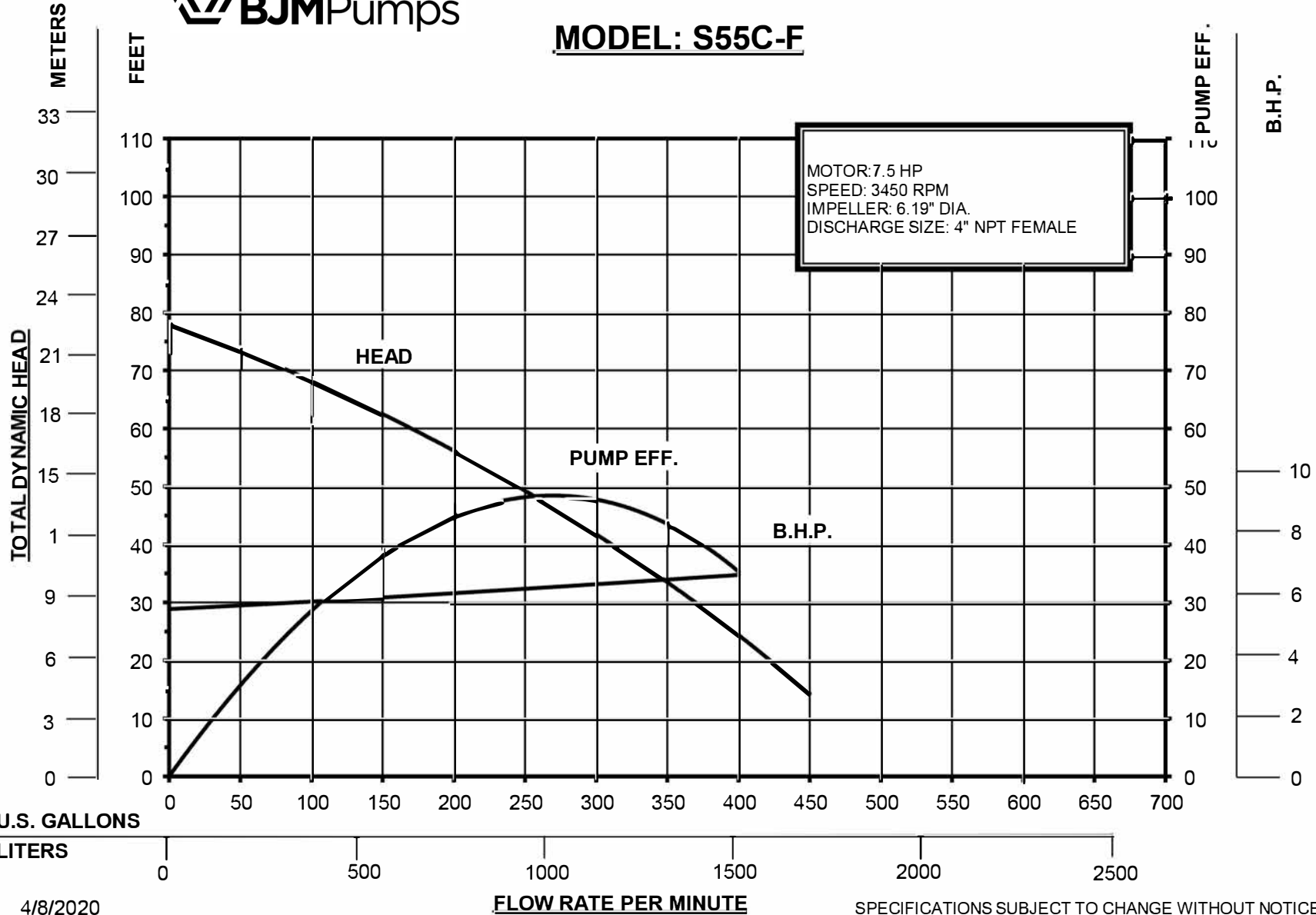
REFER TO REVERSE SIDE FOR PUMP PERFORMANCE CURVES SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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# MODEL: S55C-F



4/8/2020

FLOW RATE PER MINUTE

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE