

**TECHNICAL DATA**  
**MODEL SX08CSS-F**  
**BJM Pumps® SUBMERSIBLE PUMP-316 SS**  
**For High Temperature Service**  
**GENERAL DATA**

MAX. FLOW: GPM (L/min)	95 GPM (359 L/min)
MAX. HEAD: ft (m)	48' (14.6 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" (50 mm)
IMPELLER DIAMETER: in (mm)	4.33" (110 mm)
DISCHARGE SIZE	2" NPT-MALE
SLIDE RAIL DISCHARGE SIZE	2"
PUMP WEIGHT, without cable: lbs (kg)	60 lbs (27.3 kg)
SHIPPING WEIGHT: lbs (kg)	69 lbs (31.4 kg)

**CONSTRUCTION/MATERIAL DATA**

MECHANICAL SEAL - UPPER	CARBON/ SILICON CARBIDE , FKM
MECHANICAL SEAL - LOWER	SILICON CARBIDE/SILICON CARBIDE, FKM
MOTOR HOUSING	316 SS
PUMP VOLUTE	316 SS
IMPELLER	SINGLE VANE, 316 SS
STAND(INTEGRAL SUCTION COVER)	316 SS
LIPSEAL & O-RINGS	FKM
ROTOR SHAFT	316 SS
EXTERNAL HARDWARE	316 SS
QTY. OIL IN MOTOR STATOR	48 U.S. FL. OZ. (1420 C.C.), OIL-FILLED W/ SHELL FM 32, NSF APPROVED
QTY. OIL IN SEAL CHAMBER	10.1 U.S. FL. OZ. (300 C.C.), SHELL FM 32, NSF APPROVED
BALL BEARING: OIL LUBRICATED UPPER	6203
BALL BEARING: OIL LUBRICATED LOWER	6304

**ELECTRICAL /MOTOR DATA**

MOTOR: TYPE, RATING HP	Submersible, Oil-Filled , Continuous Duty, 1			
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.	3.5	3.2	1.6	1.3
LOCKED ROTOR CURRENT (LRA)	18.15	18	9	8
MOTOR PROTECTION	THERMAL SENSOR SWITCHES EMBEDDED IN EACH WINDING PHASE, 300°F (149°C)			
POWER CORD: GAGE; LENGTH	A.W.G. 16/4; 33' (10m), 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**

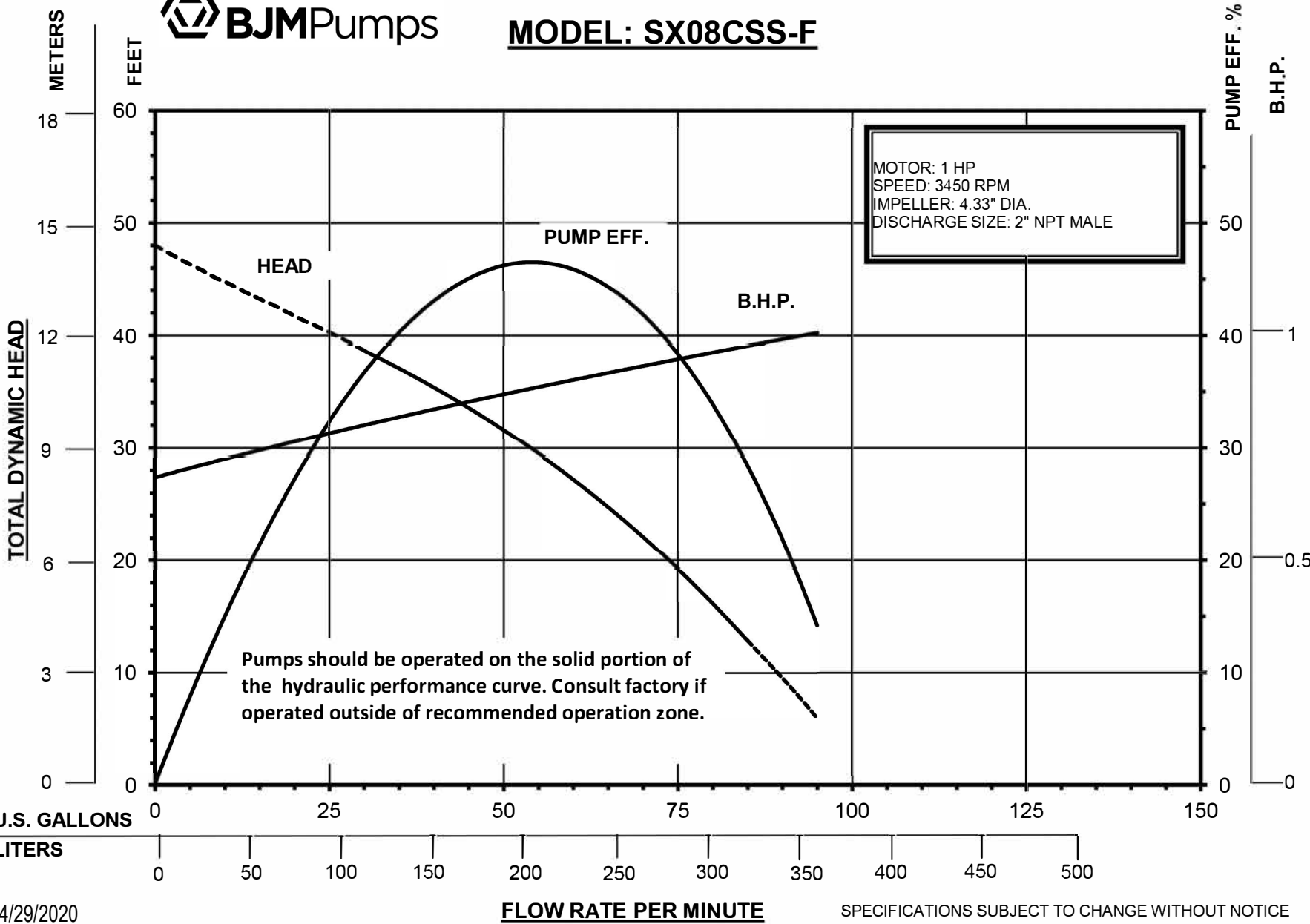
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**BJM Pumps**

**MODEL: SX08CSS-F**



MOTOR: 1 HP  
 SPEED: 3450 RPM  
 IMPELLER: 4.33" DIA.  
 DISCHARGE SIZE: 2" NPT MALE

Pumps should be operated on the solid portion of the hydraulic performance curve. Consult factory if operated outside of recommended operation zone.

4/29/2020 **FLOW RATE PER MINUTE** SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE