

**TECHNICAL DATA**  
**MODEL SX75CSS-F**  
**BJM Pumps® SUBMERSIBLE PUMP-316 SS For**  
**High Temperature Service**  
**GENERAL DATA**

|                                      |  |
|--------------------------------------|--|
| MAX. FLOW: GPM (L/min)               | 590 GPM (2233 L/min)   |
| MAX. HEAD: ft (m)                    | 99' (30.1 m)   |
| MAX. SUBMERSION DEPTH: ft (m)        | 65' (20m) or limited to length of power cord,<br>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) | 227 lbs (103.2 kg)   |
| SHIPPING WEIGHT: lbs (kg)            | 280 lbs (127.3 kg)   |

**CONSTRUCTION/MATERIAL DATA**

|                                    |  |
|------------------------------------|--|
| MECHANICAL SEAL - UPPER            | CARBON/CERAMIC – FKM                             |
| MECHANICAL SEAL - LOWER            | SILICON CARBIDE/SILICON CARBIDE – FKM            |
| MOTOR HOUSING                      | 316 SS   |
| PUMP VOLUTE                        | 316 SS   |
| IMPELLER                           | TWO VANE, 316 SS                                 |
| SUCTION COVER                      | 316 SS   |
| STAND                              | 316 SS   |
| LIPSEAL & O-RINGS                  | FKM  |
| ROTOR SHAFT                        | 316 SS   |
| EXTERNAL HARDWARE                  | 316 SS   |
| QTY. OIL IN MOTOR STATOR           | OIL-FILLED W/ FM 32, NSF APPROVED                |
| QTY. OIL IN SEAL CHAMBER           | 35.5 US FL. OZ. (1050 C.C.), FM 32, NSF APPROVED |
| BALL BEARING: OIL LUBRICATED UPPER | 6305   |
| BALL BEARING: OIL LUBRICATED LOWER | 6307 (x2)  |

**ELECTRICAL /MOTOR DATA**

|                                 |   |             |
|---------------------------------|---|-------------|
| MOTOR: TYPE, RATING HP          | Submersible, Oil-Filled , Continuous Duty, 10                         |             |
| MOTOR RPM                       | 3450  |             |
| MOTOR INSULATION CLASS          | R, 428°F (220°C)  |             |
| MOTOR SERVICE FACTOR            | 1.1   |             |
| VOLTAGE - 3 PH, 60 Hz           | 460V  | 575V option |
| CURRENT F.L.A.                  | 15  | 10.5        |
| LOCKED ROTOR CURRENT (LRA)      | 108   | 65          |
| 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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