

**TECHNICAL DATA****AVENGER SERIES****SC-500**

STANCOR

Dwg: DS-A11-017 Rev: 3 Date: 03/16

MOTOR SPECIFICATIONS

| | |
|------------------------------|----------------------------|
| Motor Design | Induction |
| Motor Type | Enclosed submersible |
| Insulation Class | Class E |
| Motor Protection | Bi-metallic Thermal Switch |
| Bi-Metallic Temp Trip | 120° C ± 5° C |
| Service Factor | 1.15 |
| Voltage Tolerance | ± 10% from nominal |

**MOTOR DATA, 60Hz**

| Model | Phase | Output Power BHP | Volts | Full Load Amps | Locked Rotor Amps | NEMA Code Letter | Power Factor 100% Load | Motor Efficiency 100% Load | Pole/Speed (rpm) |
|--------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| SC-500 | 3 | 5.0 | 230 | 15.0 | 75.0 | G | .8815 | .8172 | 2/3450 |
| | 3 | 5.0 | 460 | 7.5 | 37.5 | G | .840 | .7930 | 2/3450 |
| | 3 | 5.0 | 575 | 5.7 | 28.5 | G | .850 | .8080 | 2/3450 |

MATERIALS OF CONSTRUCTION

| | |
|--------------------------|---|
| Upper Motor Lid | Cast Iron (FC 20) |
| Motor Housing | AISI 304 Stainless Steel |
| Oil Chamber | Cast Iron (FC 20) |
| Volute | Cast Iron (FC 20) |
| External Hardware | AISI 304 Stainless Steel |
| O-Rings | NBR |
| Motor Shaft | Stainless Steel (SUS 410) |
| Upper Bearing | Single row Sealed |
| Lower Bearing(s) | Single row Sealed |
| Upper Shaft Seal | CA/CE (carbon/ceramic) |
| Lower Shaft Seal | SIC/SIC (silicon carbide/silicon carbide) |
| Impeller | Cast Iron (FC 20) |

DIMENSIONS, WEIGHT, AND MISC.

| | |
|--------------------------------------|--------------------------------------|
| Pump weight single phase | 128lbs (58kg) |
| Pump weight three phase | 128lbs (58kg) |
| Maximum submergence | 33 feet (10m) |
| Discharge size, standard | 3 inch or 4 inch NPT female vertical |
| Maximum temp. of pumped fluid | 104°F (40°C) |

CABLE SPECIFICATIONS

| MODEL | PHASE/VOLTAGE | POWER CABLE | LENGTH | OUTER JACKET |
|--------|---------------|-------------|---------------|--------------|
| SC-500 | 3Ø-230V | STOW 14/4 | 50 feet (15m) | NBR |
| | 3Ø-460V | STOW 14/4 | 50 feet (15m) | NBR |
| | 3Ø-575V | STOW 14/4 | 50 feet (15m) | NBR |

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.

Specifications subject to change without notice