

**TECHNICAL DATA****AVENGER SERIES****SSS-100**

STANCOR

Dwg: DS-A14-005 Rev: 2 Date: 01/16

MOTOR SPECIFICATIONS

| | |
|-----------------------|----------------------------|
| Motor Design | Induction |
| Motor Type | Enclosed submersible |
| Insulation Class | Class B |
| Motor Protection | Bi-metallic Thermal Switch |
| Bi-Metallic Temp Trip | 120° C ± 5° C |
| Service Factor | 1.3 |
| 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) |
|---------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| SSS-100 | 1 | 1.0 | 115 | 12 | 60 | H | 0.99 | 0.689 | 2/3450 |
| | 1 | 1.0 | 230 | 6 | 30 | H | 0.98 | 0.697 | 2/3450 |
| | 3 | 1.0 | 230 | 3.4 | 17 | H | 0.88 | 0.743 | 2/3450 |
| | 3 | 1.0 | 460 | 2 | 10 | J | 0.90 | 0.734 | 2/3450 |
| | 3 | 1.0 | 575 | 1.5 | 7.5 | J | 0.81 | 0.726 | 2/3450 |

MATERIALS OF CONSTRUCTION

| | |
|----------------------|----------------------------|
| Discharge Connection | AISI 304 Stainless Steel |
| Motor Housing | AISI 304 Stainless Steel |
| Oil Chamber | AISI 304 Stainless Steel |
| Volute | AISI 304 Stainless Steel |
| External Hardware | AISI 304 Stainless Steel |
| O-Rings | NBR |
| Motor Shaft | Stainless Steel-410 |
| Upper Bearing | Single row, doubled sealed |
| Lower Bearing(s) | Single row, doubled sealed |
| Upper Shaft Seal | CA/CE |
| Lower Shaft Seal | CA/CE |
| Impeller | AISI 304 Stainless Steel |

DIMENSIONS, WEIGHT, AND MISC.

| | |
|-------------------------------|----------------------------|
| Pump weight single phase | 33lbs (15kg) |
| Pump weight three phase | 33lbs (15kg) |
| Maximum submergence | 33 feet (10m) |
| Discharge size, standard | 2 inch NPT female vertical |
| Maximum temp. of pumped fluid | 104°F (40°C) |

CABLE SPECIFICATIONS

| MODEL | PHASE/VOLTAGE | POWER CABLE | LENGTH | OUTER JACKET |
|---------|---------------|-------------|--------------|--------------|
| SSS-100 | 1Ø-115V | SJTW 14/3 | 50feet (15m) | NBR |
| | 1Ø-230V | SJTW 16/3 | 50feet (15m) | NBR |
| | 3Ø-230V | STOW 16/4 | 50feet (15m) | NBR |
| | 3Ø-460V | STOW 16/4 | 50feet (15m) | NBR |
| | 3Ø-575V | STOW 16/4 | 50feet (15m) | NBR |

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

Specifications subject to change without notice