

**TECHNICAL DATA****AVENGER SERIES****SV-300**

STANCOR

Dwg: DS-A04-017 Rev: 2 Date: 01/16

**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	1.3
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)
SV-300	3	3.0	230	9	45	G	0.92	0.82	2/3450
	3	3.0	460	4.3	21.5	G	0.91	0.81	2/3450
	3	3.0	575	3.5	17.5	G	0.93	0.79	2/3450

**MATERIALS OF CONSTRUCTION**

Upper Motor Lid	FC-20 Cast Iron
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	FC-20 Cast Iron
Volute	FC-20 Cast Iron
External Hardware	AISI 304 Stainless Steel
O-Rings	Nitrile (Buna N)
Motor Shaft	Stainless Steel (410)
Upper Bearing	Single row, doubled sealed
Lower Bearing(s)	Single row, doubled sealed
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	CA/CE; outboard lip seal
Impeller	FC-20 Cast Iron

**DIMENSIONS, WEIGHT, AND MISC.**

Pump weight	79lbs (35kg)
Maximum submergence	30feet (9m)
Discharge size, standard	2 inch or 3 inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SV-300	3Ø-230V	STOW 14/4	33 feet (10m)	NBR
	3Ø-460V	STOW 14/4	33 feet (10m)	NBR
	3Ø-575V	STOW 14/4	33 feet (10m)	NBR

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

Specifications subject to change without notice