



TECHNICAL DATA

AVENGER SERIES

SV-300

STANCOR

Dwg: DS-A04-017 Rev: 4 Date: 11/17

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	1.15
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)
SV-300	3	3.0	208	8.8	44	F	0.824	0.822	2/3450
	3	3.0	230	8	40	F	0.909	0.825	2/3450
	3	3.0	460	4	20	F	0.908	0.831	2/3450
	3	3.0	575	3.2	16	F	0.901	0.837	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	SIC/SIC (silicon carbide/silicon carbide)
Impeller	FC-20 Cast Iron

DIMENSIONS, WEIGHT, AND MISC.

Pump weight	79lbs (35kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	2 inch NPS or 3 inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)
Free Passage	1.78" (45mm)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SV-300	3Ø-208V	STOW 14/4	33' (10m)	PVC
	3Ø-230V	STOW 14/4	33' (10m)	PVC
	3Ø-460V	STOW 14/4	33' (10m)	PVC
	3Ø-575V	STOW 14/4	33' (10m)	PVC

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

Document valid only for pump with serial number 1327-001 and up.
Refer to previous document revision for earlier serial number.

Specifications subject to change without notice