

**TECHNICAL DATA****AVENGER SERIES****SV-750**

STANCOR

Dwg: DS-A04-025 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-750	3	7.5	208	23.2	116	F	0.874	0.828	2/3450
	3	7.5	230	21	105	F	0.815	0.834	2/3450
	3	7.5	460	10.5	52.5	F	0.825	0.840	2/3450
	3	7.5	575	8.4	42	F	0.857	0.813	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	137lbs (62kg)
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)
Free Passage	1.78" (45mm)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SV-750	3Ø-208V	STOW 12/4	33 feet (10m)	NBR
	3Ø-230V	STOW 12/4	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.

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