

**TECHNICAL DATA****AVENGER SERIES****SV-40**

STANCOR

Dwg: DS-A04-001 Rev: 2 Date: 01/16

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	Induction
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class E
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	120° C ± 5° C
<b>Service Factor</b>	1.3
<b>Voltage Tolerance</b>	± 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-40	1	0.4	115	4.6	23	H	0.91	0.67	2/3450
	1	0.4	230	2.3	11.5	H	0.90	0.64	2/3450
	3	0.4	230	1.4	7	H	0.91	0.66	2/3450
	3	0.4	460	0.7	3.5	H	0.89	0.67	2/3450
	3	0.4	575	0.6	3	J	0.90	0.65	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	Nylon 66
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	FC-20 Cast Iron
<b>Volute</b>	FC-20 Cast Iron
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	Nitrile (Buna N)
<b>Motor Shaft</b>	Stainless Steel (410)
<b>Upper Bearing</b>	Single row, doubled sealed
<b>Lower Bearing(s)</b>	Single row, doubled sealed
<b>Upper Shaft Seal</b>	CA/CE/NBR (carbon/ceramic)
<b>Lower Shaft Seal</b>	SIC/SIC (silicon carbide/silicon carbide)
<b>Impeller</b>	FC-20 Cast Iron

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	26lbs (12kg)
<b>Pump weight three phase</b>	26lbs (12kg)
<b>Maximum submergence</b>	30 feet (9m)
<b>Discharge size, standard</b>	2 inch NPT female vertical
<b>Maximum temp. of pumped fluid</b>	104°F (40°C)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SV-40	1Ø-115V	SJTOW 16/3	16 feet (5m)	NBR
	1Ø-230V	SJTOW 16/3	16 feet (5m)	NBR
	3Ø-230V	STOW 16/4	16 feet (5m)	NBR
	3Ø-460V	STOW 16/4	16 feet (5m)	NBR
	3Ø-575V	STOW 16/4	16 feet (5m)	NBR

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

Specifications subject to change without notice