

**TECHNICAL DATA****AVENGER SERIES****SG-150**

STANCOR

Dwg: DS-A10-001 Rev: 1 Date: 05/15

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	Induction
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class F
<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)
SG-150	1	1.5	115	5.0	25.0	A	0.85	0.80	2/3450
	1	1.5	230	7.5	38.0	G	0.85	0.80	2/3450
	3	1.5	230	6.0	30.0	J	0.85	0.80	2/3450
	3	1.5	460	3.2	16.0	K	0.85	0.80	2/3450
	3	1.5	575	2.3	11.6	J	0.85	0.80	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	FC-20 Cast Iron
<b>Motor Housing</b>	FC-20 Cast Iron
<b>Volute</b>	FC-20 Cast Iron
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	Stainless Steel-410
<b>Upper Bearing</b>	Double row sealed
<b>Lower Bearing(s)</b>	Double row sealed
<b>Shaft Seal</b>	SiC/SiC/NBR
<b>Impeller</b>	FC-20 Cast Iron

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	59lbs (27kg)
<b>Pump weight three phase</b>	59lbs (27kg)
<b>Maximum submergence</b>	33 feet (10m)
<b>Discharge size, standard</b>	1.25 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
SG-150	1Ø-115V	SJTW 12/3	33feet (10m)	NBR
	1Ø-230V	SJTW 14/3	33feet (10m)	NBR
	3Ø-230V	STW 16/4	33feet (10m)	NBR
	3Ø-460V	STW 16/4	33feet (10m)	NBR
	3Ø-575V	STW 16/4	33feet (10m)	NBR

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

Specifications subject to change without notice