

**TECHNICAL DATA****AVENGER SERIES****SEW-100**

STANCOR

Dwg: DS-A02-013 Rev: 2 Date: 01/15

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	NEMA design B, squirrel cage induction
<b>Motor Type</b>	Enclosed submersible
<b>Insulation Class</b>	Class B
<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)
SEW-100	1	1.0	115	13.5	65.0	J	0.99	0.67	2/3450
	1	1.0	230	6.5	32.5	J	0.97	0.68	2/3450
	3	1.0	230	4.2	21.0	K	0.75	0.72	2/3450
	3	1.0	460	2.1	10.5	K	0.74	0.72	2/3450
	3	1.0	575	1.8	9.0	K	0.76	0.73	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	Cast Iron ASTM A48 Class 30
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	Cast Iron ASTM A48 Class 30
<b>Volute</b>	Cast Iron ASTM A48 Class 30
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	AISI 410 Stainless Steel
<b>Upper Bearing</b>	Single row Sealed
<b>Lower Bearing(s)</b>	Single row Sealed
<b>Upper Shaft Seal</b>	Carbon/Ceramic
<b>Lower Shaft Seal</b>	SiC/SiC
<b>Impeller</b>	Cast Iron ASTM A48 Class 30

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	31lbs (14kg)
<b>Pump weight three phase</b>	31lbs (14kg)
<b>Maximum submergence</b>	33 feet (10m)
<b>Discharge size, standard</b>	2" NPT female vertical
<b>Maximum temp. of pumped fluid</b>	104°F (40°C)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SEW-100	1Ø-115V	SJTW 16/3	33feet (10m)	NBR
	1Ø-230V	SJTW 16/3	33feet (10m)	NBR
	3Ø-230V	STOW 16/4	33feet (10m)	NBR
	3Ø-460V	STOW 16/4	33feet (10m)	NBR
	3Ø-575V	STOW 16/4	33feet (10m)	NBR

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

Specifications subject to change without notice