

**TECHNICAL DATA****AVENGER SERIES****SL-100**

STANCOR

Dwg: DS-A12-005 Rev: 2 Date: 01/16

**MOTOR SPECIFICATIONS**

<b>Motor Design</b>	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)
SL-100	1	1.0	115	12.0	60.0	H	0.99	0.69	2/3450
	1	1.0	230	6.0	30.0	H	0.98	0.71	2/3450
	3	1.0	230	3.4	17.0	H	0.84	0.72	2/3450
	3	1.0	460	2.0	10.0	J	0.88	0.74	2/3450
	3	1.0	575	1.5	7.5	J	0.81	0.73	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	Cast Iron (FC15)
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	Aluminum (ADC 12)
<b>Volute</b>	Cast Iron (FC20)
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<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 (carbon/ceramic)
<b>Lower Shaft Seal</b>	SIC/SIC (silicon carbide/silicon carbide)
<b>Impeller</b>	Hytrel (steel coated with thermoplastic polyester elastomer)

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	31lbs (14kg)
<b>Pump weight three phase</b>	31lbs (14kg)
<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)
<b>Inlet Opening</b>	3/8"

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SL-100	1Ø-115V	SJTW 16/3	50 feet (15m)	NBR
	1Ø-230V	SJTW 16/3	50 feet (15m)	NBR
	3Ø-230V	STOW 16/4	50 feet (15m)	NBR
	3Ø-460V	STOW 16/4	50 feet (15m)	NBR
	3Ø-575V	STOW 16/4	50 feet (15m)	NBR

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

Specifications subject to change without notice