

**TECHNICAL DATA****AVENGER SERIES****SB-20**

STANCOR

Dwg: DS-A08-001 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>	110° C
<b>Service Factor</b>	1.15
<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)
SB-20	1	0.18	115	2.3	4.1	C	0.99	0.62	2/3450
	1	0.18	230	1.2	1.9	B	0.94	0.60	2/3450

**MATERIALS OF CONSTRUCTION**

<b>Upper Motor Lid</b>	PA66 + Glass Fiber
<b>Motor Housing</b>	AISI 304 Stainless Steel
<b>Oil Chamber</b>	Cast Iron (FC20)
<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
<b>Lower Shaft Seal</b>	CA/CE
<b>Impeller</b>	ABS+ Glass Fiber

**DIMENSIONS, WEIGHT, AND MISC.**

<b>Pump weight single phase</b>	11lbs (5kg)
<b>Pump weight three phase</b>	11lbs (5kg)
<b>Maximum submergence</b>	33 feet (10m)
<b>Discharge size, standard</b>	1 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
SB-20	1Ø-115V	SJTOW 16/3	16 feet (5m)	NBR
	1Ø-230V	SJTOW 16/3	16 feet (5m)	NBR

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

Specifications subject to change without notice