

**TECHNICAL DATA****AVENGER SERIES****SG-500**

STANCOR

Dwg: DS-A10-036 Rev: Date: 10/16

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class E
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	120° C ± 5° C
Service Factor	1.15
Voltage Tolerance	± 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-500	3	5	460	7.4	37	G	0.908	0.801	2/3450

MATERIALS OF CONSTRUCTION

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

DIMENSIONS, WEIGHT, AND MISC.

Pump weight three phase	97lbs (44kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	2 inch NPS female horizontal
Maximum temp. of pumped fluid	104°F (40°C)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SG-500	3Ø-460V	STOW 14/4	33 feet (10m)	PVC

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

Specifications subject to change without notice

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