

**TECHNICAL DATA****AVENGER SERIES****SS-500**

STANCOR

Dwg: DS-A07-021 Rev: 2 Date: 01/16

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class B
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	120° C ± 5° C
Service Factor	1.3
Voltage Tolerance	± 10% from nominal

**MOTOR DATA, 50Hz**

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)
SS-500	3	5.0	380	7.5	37.5	E	0.82	0.760	2/2850
	3	5.0	400	7.5	37.5	F	0.77	0.760	2/2850
	3	5.0	415	7.5	37.5	F	0.73	0.760	2/2850

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)
SS-500	3	5.0	230	15	75	G	0.90	0.819	2/3450
	3	5.0	460	7.5	37.5	G	0.85	0.801	2/3450
	3	5.0	575	5.7	28.5	G	0.82	0.843	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	AISI Stainless Steel 316
Motor Housing	AISI Stainless Steel 316
Oil Chamber	AISI Stainless Steel 316
Volute	AISI Stainless Steel 316
External Hardware	AISI 304 Stainless Steel
O-Rings	FKM
Motor Shaft	AISI Stainless Steel 316 (in pumped media)
Upper Bearing	Single row, doubled sealed
Lower Bearing(s)	Single row, doubled sealed
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	SIC/SIC (silicon carbide/silicon carbide)
Impeller	AISI Stainless Steel 316

DIMENSIONS, WEIGHT, AND MISC.

Pump weight	123lbs (56kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	3 inch or 4 inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)

CABLE SPECIFICATIONS 50 Hz

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SS-500	3Ø-230V	H07 4G2.5	33 feet (10m)	Viton
	3Ø-460V	H07 4G2.5	33 feet (10m)	Viton
	3Ø-575V	H07 4G2.5	33 feet (10m)	Viton

Specifications subject to change without notice

CABLE SPECIFICATIONS 60 Hz

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SS-500	3Ø-230V	STOW 14/4	33 feet (10m)	Viton
	3Ø-460V	STOW 14/4	33 feet (10m)	Viton
	3Ø-575V	STOW 14/4	33 feet (10m)	Viton

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