

**TECHNICAL DATA****AVENGER SERIES****SC-750**

STANCOR

Dwg: DS-A11-021 Rev: 3 Date: 03/16

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)
SC-750	3	7.5	230	21.0	105.0	F	.852	.835	2/3450
	3	7.5	460	10.5	52.50	F	.830	.818	2/3450
	3	7.5	575	10.0	50.00	H	.840	.803	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	Cast Iron (FC 20)
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	Cast Iron (FC 20)
Volute	Cast Iron (FC 20)
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel (SUS 410)
Upper Bearing	Single row Sealed
Lower Bearing(s)	Single row Sealed
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	SIC/SIC (silicon carbide/silicon carbide)
Impeller	Cast Iron (FC 20)

DIMENSIONS, WEIGHT, AND MISC.

Pump weight single phase	137lbs (62kg)
Pump weight three phase	137lbs (62kg)
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

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SC-750	3Ø-230V	STOW 12/4	50 feet (15m)	NBR
	3Ø-460V	STOW 14/4	50 feet (15m)	NBR
	3Ø-575V	STOW 14/4	50 feet (15m)	NBR

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

Specifications subject to change without notice