

**TECHNICAL DATA****AVENGER SERIES****SSD-75**

STANCOR

Dwg: DS-A13-001 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, 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)
SSD-75	1	0.5	115	7	35	K	0.99	0.627	2/3450
	1	0.5	230	3.5	17.5	K	0.99	0.608	2/3450
	3	0.5	230	1.8	9	J	0.81	0.653	2/3450
	3	0.5	460	1	5	J	0.84	0.656	2/3450
	3	0.5	575	1	5	L	0.81	0.667	2/3450

**MATERIALS OF CONSTRUCTION**

Discharge Connection	Cast Iron (FC 15)
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	Aluminum (ADC 12)
Volute	Cast Iron (FC 20)
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel(410)
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	Hytrell (steel coated with thermoplastic polyester elastomer)

**DIMENSIONS, WEIGHT, AND MISC.**

Pump weight single phase	26lbs (12kg)
Pump weight three phase	26lbs (12kg)
Maximum submergence	33 feet (10m)
Discharge size, standard	2 inch NPT female vertical
Maximum temp. of pumped fluid	104°F (40°C)
Inlet Opening	6mm

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SSD-75	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