

**TECHNICAL DATA****AVENGER SERIES****AHS-05**

STANCOR

Dwg: DS-A05-005 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)
AHS-05	1	0.5	115	7.0	35.0	K	0.986	0.629	2/3450
	1	0.5	230	3.5	17.50	K	0.995	0.617	2/3450
	3	0.5	230	1.6	8.0	H	0.905	0.755	2/3450
	3	0.5	460	1.0	5.0	J	0.898	0.739	2/3450
	3	0.5	575	0.8	4.0	J	0.892	0.745	2/3450

**MATERIALS OF CONSTRUCTION**

Upper Motor Lid	Aluminum (ADC 12)
Motor Housing	Aluminum (ADC 12)
Oil Chamber / Volute	Cast Iron (FC20)
Strainer	PVC
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel (SUS 410)
Upper Bearing	Single ball bearing, double sealed.
Lower Bearing(s)	Single ball bearing, double sealed.
Upper Shaft Seal	CA/CE (carbon/ceramic)
Lower Shaft Seal	SIC/SIC (silicon carbide/silicon carbide)
Impeller	Hytrel (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)

**CABLE SPECIFICATIONS**

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
AHS-05	1Ø-115V	SJTOW 16/3	16 feet (5m)	NBR
	1Ø-230V	SJTOW 16/3	16 feet (5m)	NBR
	3Ø-230V	STOW 16/4	16 feet (5m)	NBR
	3Ø-460V	STOW 16/4	16 feet (5m)	NBR
	3Ø-575V	STOW 16/4	16 feet (5m)	NBR

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

Specifications subject to change without notice