



TECHNICAL DATA

AVENGER SERIES

SKR-8220

STANCOR

Dwg: DS-A06-037 Rev: 2 Date: 01/16

MOTOR SPECIFICATIONS

Motor Design	Induction
Motor Type	Enclosed submersible
Insulation Class	Class F
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)
SKR-8220	3	30.0	460	45	225	G	0.78	0.85	4/1800
	3	30.0	575	36	180	G	0.81	0.86	4/1800

MATERIALS OF CONSTRUCTION

Upper Motor Lid	FC-20 Cast Iron
Motor Housing	FC-20 Cast Iron
Oil Chamber	FC-20 Cast Iron
Volute	FC-20/FCD 45 Cast Iron Ductile Iron
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	Stainless Steel (SUS 410)
Upper Bearing	Single ball bearing, Sealed
Lower Bearing(s)	Single ball bearing, Sealed
Upper Shaft Seal	CA/CE
Lower Shaft Seal	SiC/SiC
Impeller, wear plate, agitator	High Chrome Alloy

DIMENSIONS, WEIGHT, AND MISC.

Pump weight	783lbs (355kg)
Maximum submergence	65 feet (20m)
Discharge size, standard	8 inch NPT male vertical
Maximum temp. of pumped fluid	104°F (40°C)

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
SKR-8220	3Ø-460V	6/3 GGC (6AWG, ground, ground check)	50feet (15m)	CPE*
	3Ø-575V	6/3 GGC (6AWG, ground, ground check)	50feet (15m)	CPE*

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

*Chlorinated Polyethylene

Specifications subject to change without notice