



TECHNICAL DATA

Mine Dewatering Pumps SX4500 HH&HV

STANCOR

Dwg: DS-A16-053 Rev: 3 Date: 11/16

MOTOR SPECIFICATIONS

Motor Design	NEMA design B, squirrel cage induction, air filled
Motor Type	Enclosed submersible, IP 68
Maximum submergence	65 feet (20m)
Insulation Class	Class F, rated at 155° C
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	130° C ± 5° C
Service Factor	1.15
Max. Liquid Temperature	104°F (40°C)
Voltage Tolerance	± 10% from nominal
MSHA Approval	2G-3142A-1



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)
SX-4500	3	45	460	52	290	F	0.89	0.89	2/3450
			575	41	232	F	0.89	0.89	2/3450
			950	25	140.42	F	0.89	0.89	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	356-T6 Aluminum
Motor Housing	356-T6 Aluminum
Oil Chamber	356-T6 Aluminum
Volute	356-T6 Aluminum - Rubber Lined
External Hardware	AISI 304 Stainless Steel
O-Rings	NBR
Motor Shaft	AISI 416 Stainless Steel
Upper Bearing	Deep groove ball bearing, double sealed
Lower Bearing(s)	Two heavy duty angular contact ball bearings
Upper Shaft Seal	Carbon/Ceramic
Lower Shaft Seal	SiC/SiC
Impeller HH	AISI 316 Stainless Steel
Impeller HV	17-4PH Stainless Steel

DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable)	345 lbs (156.5kg)
Discharge size, HH	4 inch NPT male vertical
Discharge size, HV	6 inch NPT male vertical

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE *	LENGTH *	OUTER JACKET
SX4500	3Ø-460V	6/3, 4/3, 2/3 G-GC	Per MSHA Approval	CPE, Heavy Duty
	3Ø-575V	6/3, 4/3, 2/3 G-GC	Per MSHA Approval	CPE, Heavy Duty
	3Ø-950V	6/3, 4/3, 2/3 SHD-GC	Per MSHA Approval	CPE, Heavy Duty

* Cable size and length per MSHA approval.



Specifications subject to change without notice