



# TECHNICAL DATA

# CSA Dewatering Pumps S4500 HH&HV

STANCOR

Dwg: DS-A20-044 Rev: 3 Date: 1/17

## 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
CSA Approval	CSA-C22.2 No. 108-14 - CSA-C22.2 No. 77-95 (R 2009)



## 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)
S4500	3	45	460	54	290	F	0.89	0.89	2/3450
			575	41	232	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	17-4 PH

## 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
S4500	3Ø-460V	6/3 G-GC, 2/4+16/3 SOOW, or SHD-GC	50' Standard	CPE, Heavy Duty
	3Ø-575V	6/3 G-GC, 4/4+16/3 SOOW, or SHD-GC	50' Standard	CPE, Heavy Duty



Specifications subject to change without notice

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