



TECHNICAL DATA

CSA Dewatering Pumps S500 HH & HV

STANCOR

Dwg: DS-A20-006 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)
S500	1	4.6	230	18	122.4	G	.83	.76	2/3450
			230	13	88.4	J	.83	.76	2/3450
	3	4.6	460	6.5	44.2	J	.83	.76	2/3450
			575	4.8	35.4	J	.83	.76	2/3450

MATERIALS OF CONSTRUCTION

Upper Motor Lid	356-T6 Aluminum
Motor Housing	356-T6 Aluminum
Oil Chamber	AISI 304 Stainless Steel
Strainer	AISI 304 Stainless Steel
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 shielded
Lower Bearing	Double row angular contact ball bearing, double shielded
Shaft Seal	SiC/SiC
Impeller	AISI 316 Stainless Steel

DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable)	77lbs (35kg)
Discharge size, standard	3 inch NPT male vertical
Strainer Opening	8mmx24.5mm

CABLE SPECIFICATIONS

MODEL	PHASE/VOLTAGE	POWER CABLE	LENGTH	OUTER JACKET
S500	1Ø-230V	SOOW 10/7, 10/5, 10/4	65' Standard	CPE, Heavy Duty
	3Ø-230V	SOOW 12/5, 12/4, 10/7, 10/7, 10/5, or SHD-GC	65' Standard	CPE, Heavy Duty
	3Ø-460V	SOOW 14/7, 12/5, 12/4, 10/5, or SHD-GC	65' Standard	CPE, Heavy Duty
	3Ø-575V	SOOW 14/7, 12/5, 12/4, 10/5, or SHD-GC	65' Standard	CPE, Heavy Duty



Specifications subject to change without notice