



# TECHNICAL DATA

# CSA Dewatering Pumps S1000 HH & HV

STANCOR

Dwg: DS-A20-017 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) |
|-------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| S1000 | 3     | 10               | 460   | 17.5           | 88                | H                | 0.88                   | 0.85                       | 2/3450           |
|       |       |                  | 575   | 14             | 71                | H                | 0.88                   | 0.85                       | 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 sealed                |
| Lower Bearing     | Double row angular contact ball bearing, double sealed |
| Shaft Seal        | SiC/SiC  |
| Impeller          | AISI 316 Stainless Steel                               |

## DIMENSIONS, WEIGHT, AND MISC.

|                             |                          |
|-----------------------------|--------------------------|
| Pump weight (without cable) | 124 lbs (56kg)           |
| Discharge size, HH          | 4 inch NPT male vertical |
| Discharge size, HV          | 4 inch NPT male vertical |
| Strainer Opening            | 8mmx24.5mm               |

## CABLE SPECIFICATIONS

| MODEL | PHASE/VOLTAGE | POWER CABLE                           | LENGTH       | OUTER JACKET    |
|-------|---------------|---------------------------------------|--------------|-----------------|
| S1000 | 3Ø-460V       | SOOW 12/4, 10/5, 8/4+16/3 or SHD-GC   | 65' Standard | CPE, Heavy Duty |
|       | 3Ø-575V       | SOOW 12/5, 12/4, 10/5, 10/7 or SHD-GC | 65' Standard | CPE, Heavy Duty |



Specifications subject to change without notice