



# TECHNICAL DATA

# Dewatering Pumps S1000 HH & HV

STANCOR

Dwg: DS-A18-017 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                                 |



## 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               | 208   | 39             | 195               | H                | 0.88                   | 0.85                       | 2/3450           |
|       |       |                  | 230   | 35             | 175               | H                | 0.88                   | 0.85                       | 2/3450           |
|       |       |                  | 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-208V       | 8/3 G-GC    | 50' Standard | CPE, Heavy Duty |
|       | 3Ø-230V       | 8/3 G-GC    | 50' Standard | CPE, Heavy Duty |
|       | 3Ø-460V       | SOOW 12/4   | 50' Standard | CPE, Heavy Duty |
|       | 3Ø-575V       | SOOW 12/4   | 50' Standard | CPE, Heavy Duty |

Specifications subject to change without notice