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## TECHNICAL DATA

## Stancor® Dewatering Pumps S500 HH & HV

Dwg: DS-A18-006 Rev: 7 Date: 2/23/2026

### Motor Specifications

<b>Motor Design</b>	NEMA design B, squirrel cage induction, air filled
<b>Motor Type</b>	Enclosed submersible, IP 68
<b>Maximum</b>	65 feet (20m)
<b>Insulation Class</b>	Class H, rated at 180° C (356° F)
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	130° C ± 5° C (266° F ± 41° F)
<b>Service Factor</b>	1.15
<b>Max. Liquid</b>	104°F (40°C)
<b>Voltage Tolerance</b>	± 10% from nominal
<b>CSA Approval</b> (Optional Upon Request)	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	Motor Efficiency	Pole/ Speed (Rpm)
S500	1Ø	4.6	230V	18	122.4	G	0.83	0.76	2/3450
			208V	14.4	97.8	H	0.83	0.76	2/3450
	3Ø		230V	13	88.4	J	0.83	0.76	2/3450
			460V	6.5	44.2	J	0.83	0.76	2/3450
			575V	4.8	35.4	J	0.83	0.76	2/3450

### Materials of Construction

	Standard	High Chrome
<b>Upper Motor Lid</b>	356-T6 Aluminum	356-T6 Aluminum
<b>Motor Housing</b>	356-T6 Aluminum	356-T6 Aluminum
<b>Lower Seal Housing</b>	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium
<b>Strainer</b>	AISI 304 Stainless Steel	AISI 304 Stainless Steel
<b>Volute</b>	356-T6 Aluminum - Rubber Lined	356-T6 Aluminum- Polyurethane Lined
<b>External Hardware</b>	AISI 304 Stainless Steel	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR	NBR
<b>Motor Shaft</b>	AISI 416 Stainless Steel	AISI 416 Stainless Steel
<b>Upper Bearing</b>	Deep groove ball bearing, double shielded	Deep groove ball bearing, double shielded
<b>Lower Bearing</b>	Double row angular contact ball bearing, double shielded	Double row angular contact ball bearing, double shielded
<b>Shaft Seal</b>	SiC/SiC	SiC/SiC
<b>Impeller</b>	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium

### DIMENSIONS, WEIGHT, AND MISC.

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

### CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length	Outer Jacket	
S500	1Ø	230V	SOOW 10/4	50' Standard	CPE, Heavy Duty
		208V	SOOW 12/4	50' Standard	CPE, Heavy Duty
	3Ø	230V	SOOW 12/4	50' Standard	CPE, Heavy Duty
		460V	SOOW 12/4	50' Standard	CPE, Heavy Duty
		575V	SOOW 12/4	50' Standard	CPE, Heavy Duty

\* Additional cable sizes and materials available for standard and CSA models upon request.

Specifications subject to change without notice

Industrial Flow Solutions Operating, LLC • 104 John W Murphy Drive, New Haven, CT 06513, USA • 860-399-5937 •

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# PERFORMANCE CURVE

# Stancor® Dewatering Pumps S500 HV

Dwg:

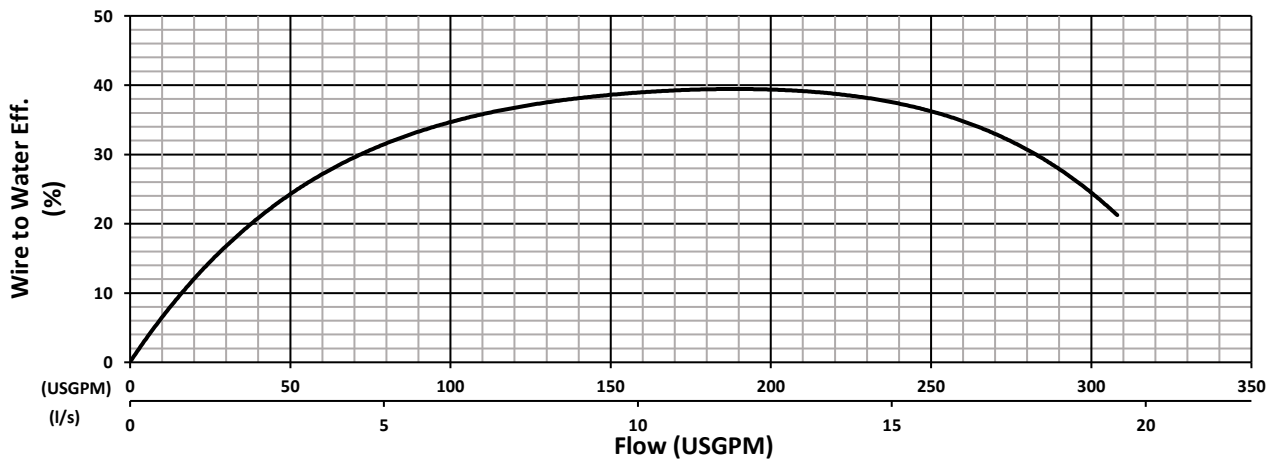
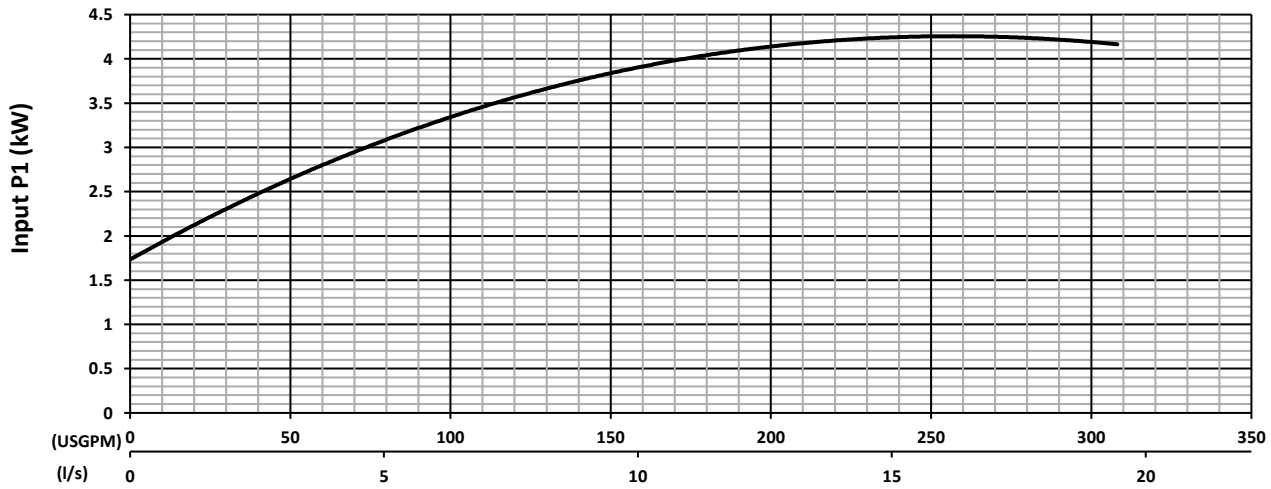
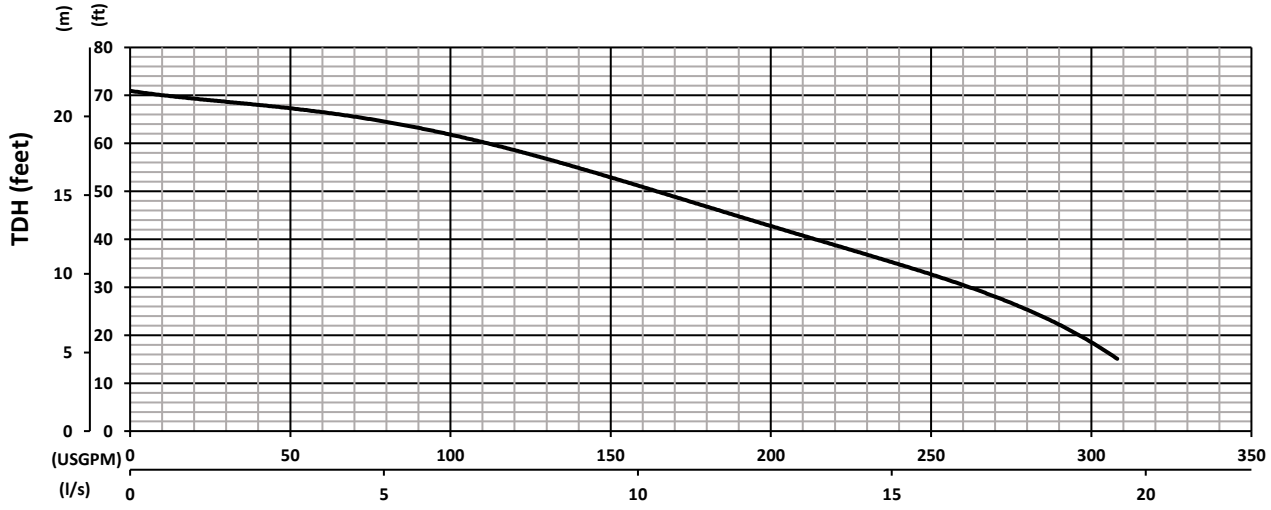
DS-A18-008

Rev:

5

Date:

12/18/25



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Dewatering Pumps S500 HV - Dual Units

Frequency

60 Hz

Pump Speed

3450 RPM

Impeller

125mm

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