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# TECHNICAL DATA

## Stancor® Dewatering Pumps S150

Dwg: DS-A18-001 Rev: 4 Date: 2/23/2026

### Motor Specifications

Motor Design	NEMA design B, squirrel cage induction, air filled
Motor Type	Enclosed submersible, IP 68
Maximum	65 feet (20m)
Insulation Class	Class H, rated at 180° C (356° F)
Motor Protection	Bi-metallic Thermal Switch
Bi-Metallic Temp Trip	130° C ± 5° C (266° F ± 41° F)
Service Factor	1.15
Max. Liquid	104°F (40°C)
Voltage Tolerance	± 10% from nominal
CSA Approval (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)
S150	1Ø	1.5	120V	13	133.9	T	0.78	0.76	2/3450
			230V	4.8	49.6	P	0.78	0.76	2/3450
	3Ø		230V	4.8	49.6	P	0.78	0.76	2/3450
			460V	2.4	24.8	P	0.78	0.76	2/3450
			575V	2.2	22.7	R	0.78	0.76	2/3450

### Materials of Construction

	Standard
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 shielded
Shaft Seal	SiC/SiC
Impeller	AISI 316 Stainless Steel

### DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable)	41 lbs (18.5kg)
Discharge size, standard	2-inch NPT male vertical
Strainer Opening	6 mm

### CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length	Outer Jacket	
S150	1Ø	120V	SOOW 14/4	50' Standard	CPE, Heavy Duty
		230V	SOOW 14/4	50' Standard	CPE, Heavy Duty
	3Ø	230V	SOOW 14/4	50' Standard	CPE, Heavy Duty
		460V	SOOW 14/4	50' Standard	CPE, Heavy Duty
		575V	SOOW 14/4	50' Standard	CPE, Heavy Duty

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

Specifications subject to change without notice

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# PERFORMANCE CURVE

## Stancor® Dewatering Pumps S150

Dwg:

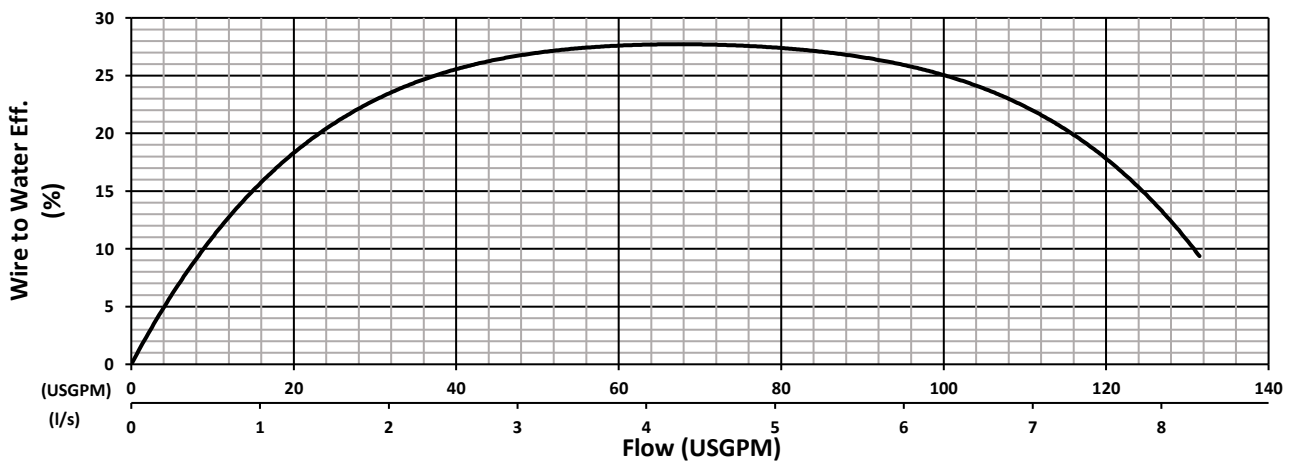
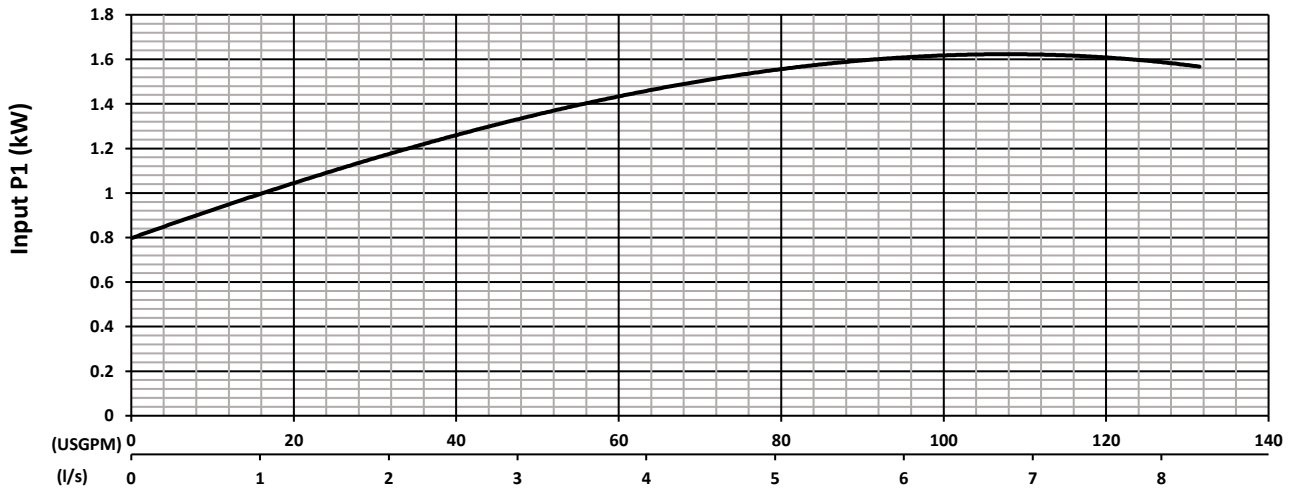
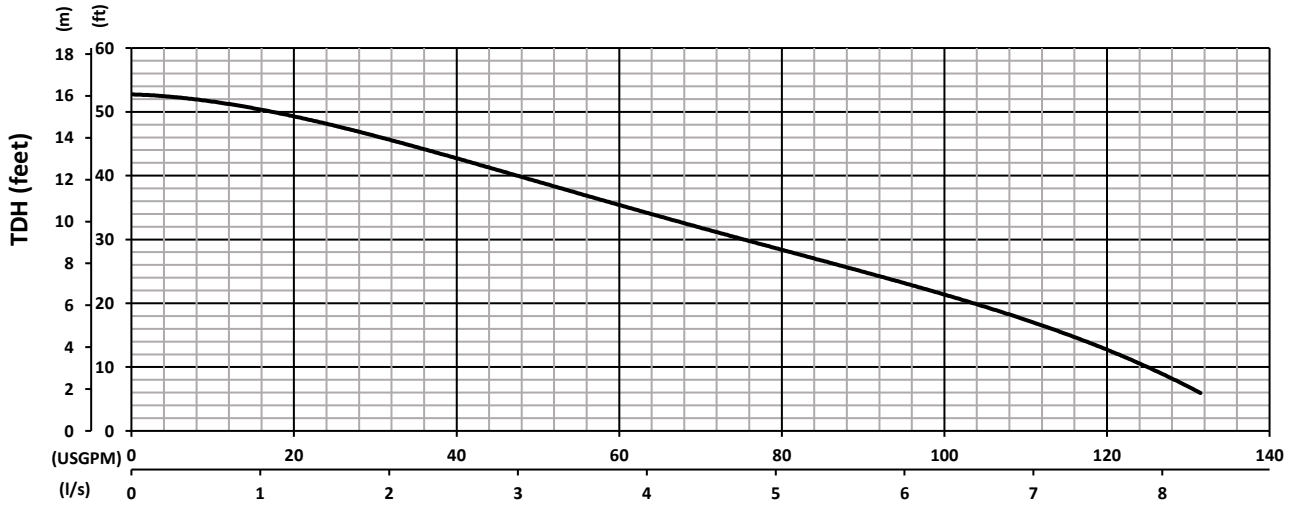
DS-A18-003

Rev:

5

Date:

12/18/25



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Dewatering Pumps - Dual Units

Frequency 60 Hz

Pump Speed 3450 RPM

Impeller 115mm

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