



INDUSTRIAL
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TECHNICAL DATA

Stancor® Dewatering Pumps S6000 HV, HH & MR

Dwg: DS-A18-060 Rev: 5 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	Motor Efficiency		Pole/ Speed (Rpm)
							Power Factor	100% Load	
S6000 HH&MR	3Ø	60	460V	77	462	M	0.85	0.89	2/3450
			575V	62	372	G	0.85	0.89	2/3450
			950V	37	222	G	0.85	0.89	2/3450
S6000HV	3Ø	60	460V	77	462	M	0.85	0.89	4/1750
			575V	62	372	G	0.85	0.89	4/1750
			950V	37	222	G	0.85	0.89	4/1750

Materials of Constuction

	Standard	High Chrome
Upper Motor Lid	356-T6 Aluminum	356-T6 Aluminum
Motor Housing	356-T6 Aluminum	356-T6 Aluminum
Lower Seal Housing	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium
Volute	356-T6 Aluminum - Rubber Lined	356-T6 Aluminum - Rubber Lined
Wear Plate	356-T6 Aluminum - Rubber Lined	356-T6 Aluminum - Polyurethane Lined
External Hardware	AISI 304 Stainless Steel	AISI 304 Stainless Steel
O-Rings	NBR	NBR
Motor Shaft	AISI 416 Stainless Steel	AISI 416 Stainless Steel
Upper Bearing	Deep groove ball bearing, double sealed	Deep groove ball bearing, double sealed
Lower Bearing(s)	Two heavy duty angular contact ball bearings	Two heavy duty angular contact ball bearings
Upper Shaft Seal	Carbon/Ceramic	Carbon/Ceramic
Lower Shaft Seal	SiC/SiC	SiC/SiC
Impeller HH	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium
Impeller MR & HV	17-4 PH	ASTM A532 Class III Type Chromium

DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable) HV	1200 lbs (545 kg)
Pump weight (without cable) HH & MR	1140 lbs (517kg)
Discharge size, HH	6 inch NPT male vertical (8", 10" optional)
Discharge size, MR & HV	8 inch NPT male vertical (6", 10" optional)

CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length	Outer Jacket	
S6000 HH&MR	3Ø	460V	4/3 G-GC	50' Standard	CPE, Heavy Duty
		575V	4/3 G-GC	50' Standard	CPE, Heavy Duty
		950V	10/3 SHD-GC	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 S6000 HH

Dwg:

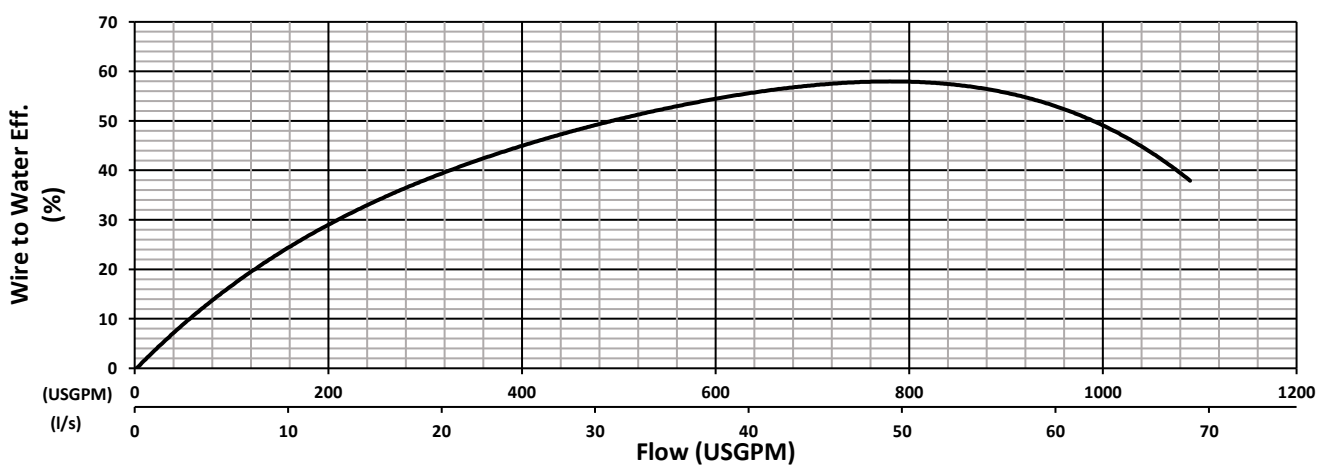
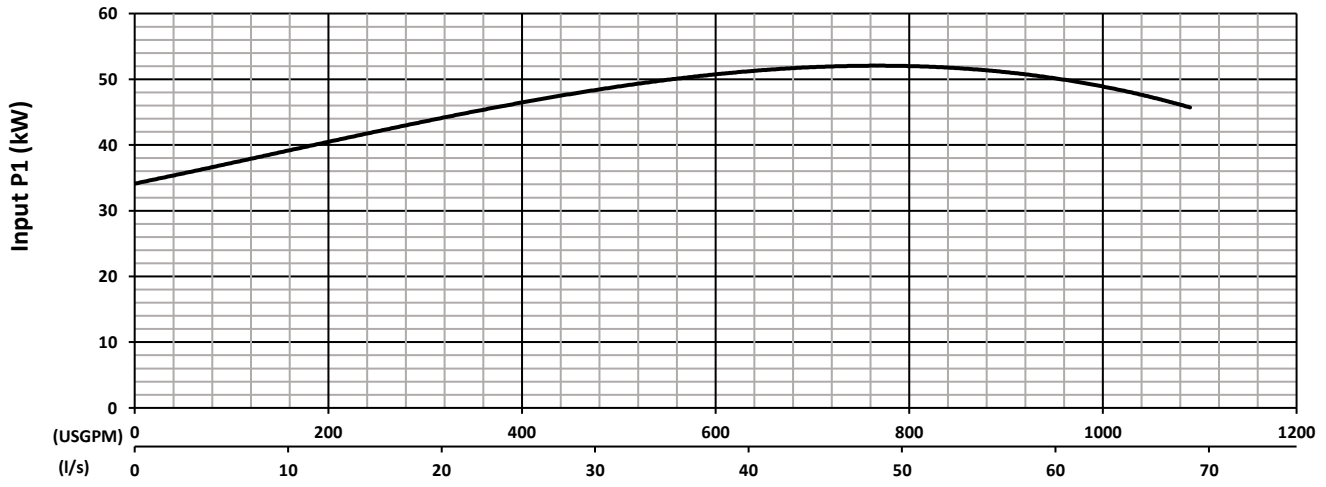
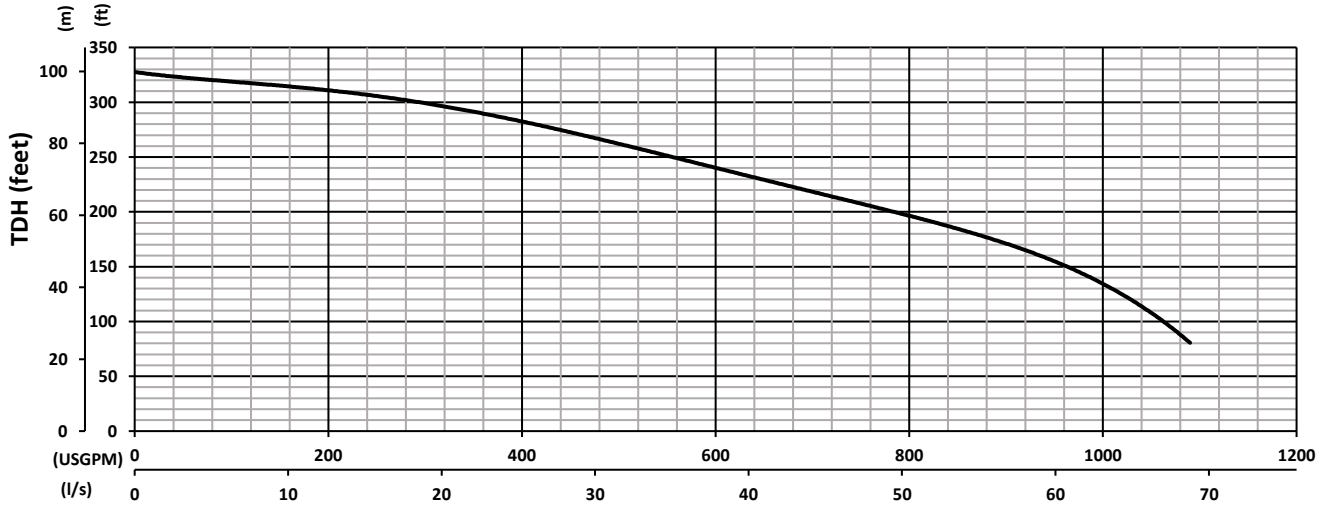
DS-A18-045

Rev:

4

Date:

12/18/25



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Dewatering Pumps S6000 HH - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	239mm

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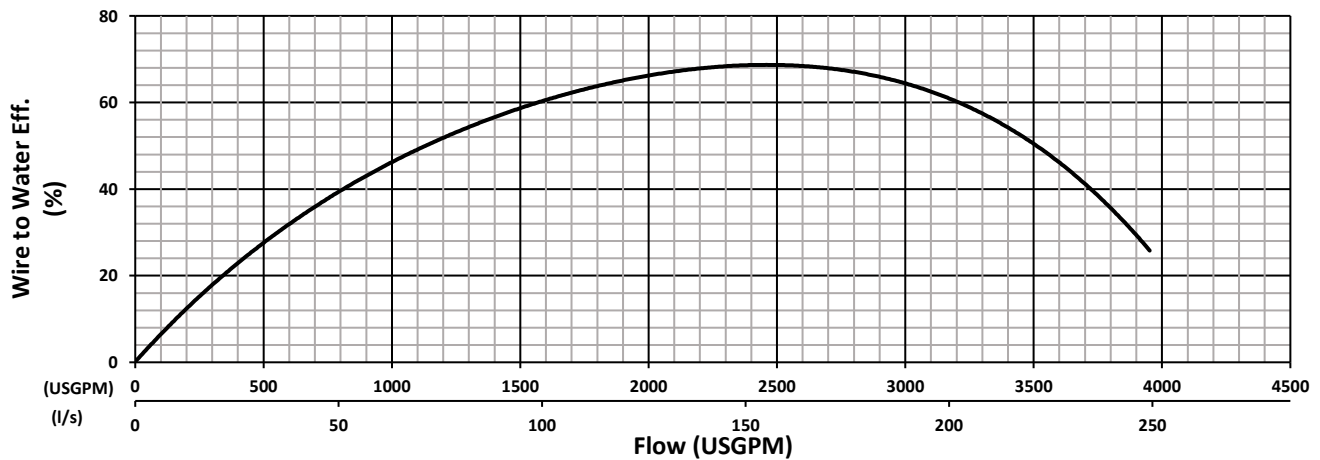
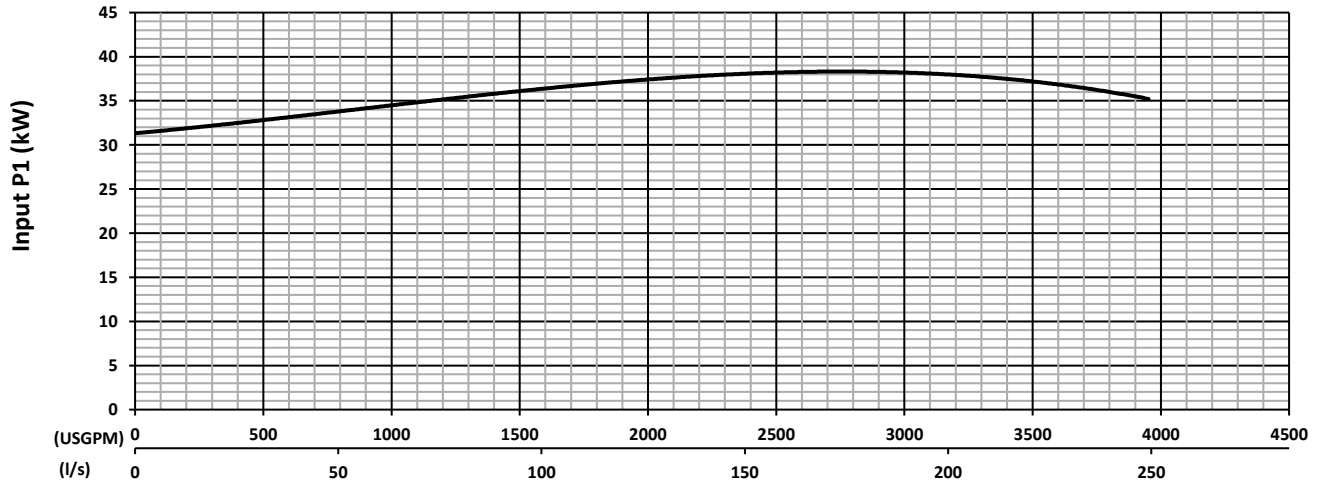
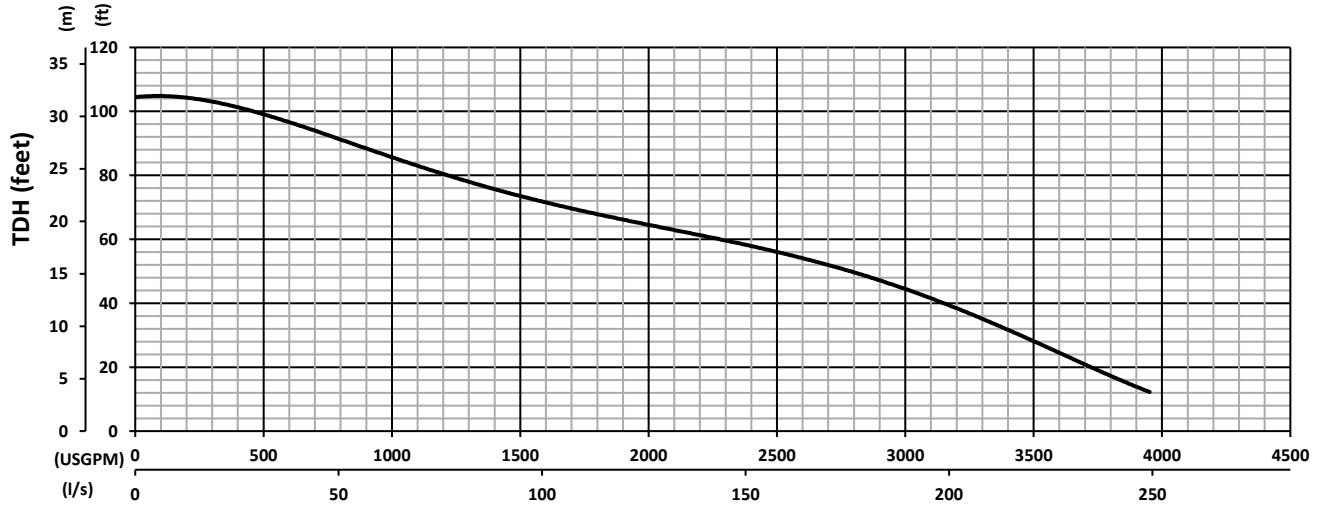


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Stancor® Dewatering Pumps S6000 HV

Dwg:	DS-A18-046	Rev:	3	Date:	12/18/25
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Test Standard : HI 11.6 Gr 3B
 Tested with water at 20°C

Dewatering Pumps S6000 HV - Dual Units

Frequency 60 Hz
 Pump Speed 1750 RPM
 Impeller 264mm

Specifications subject to change without notice

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Stancor® Dewatering Pumps S6000 MR

Dwg:

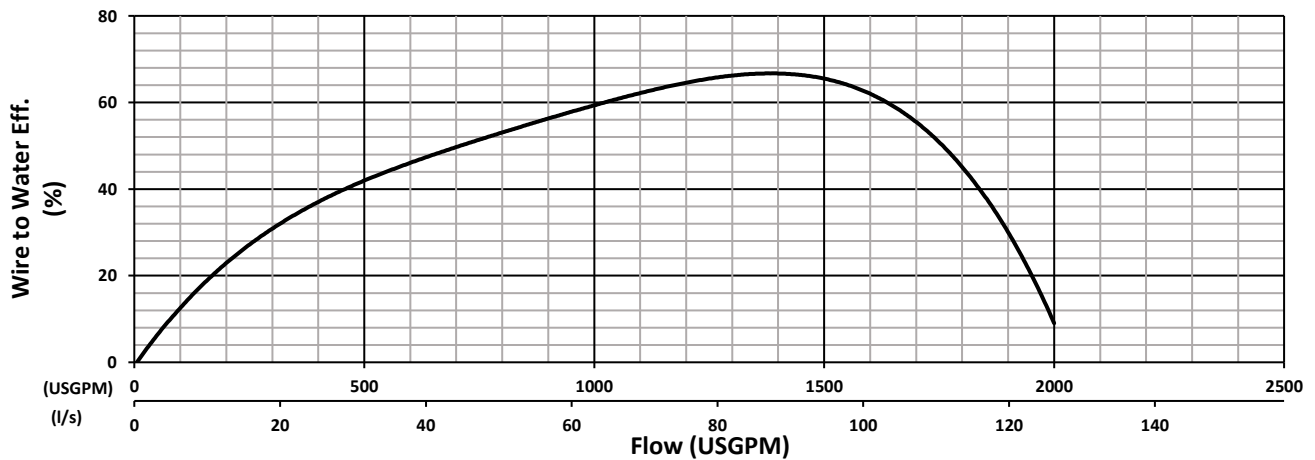
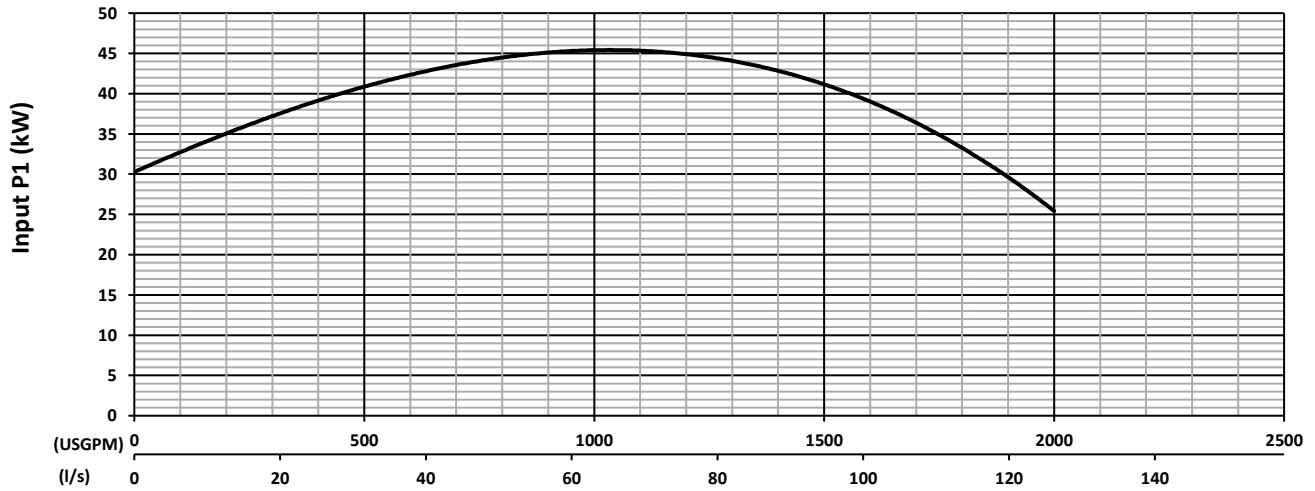
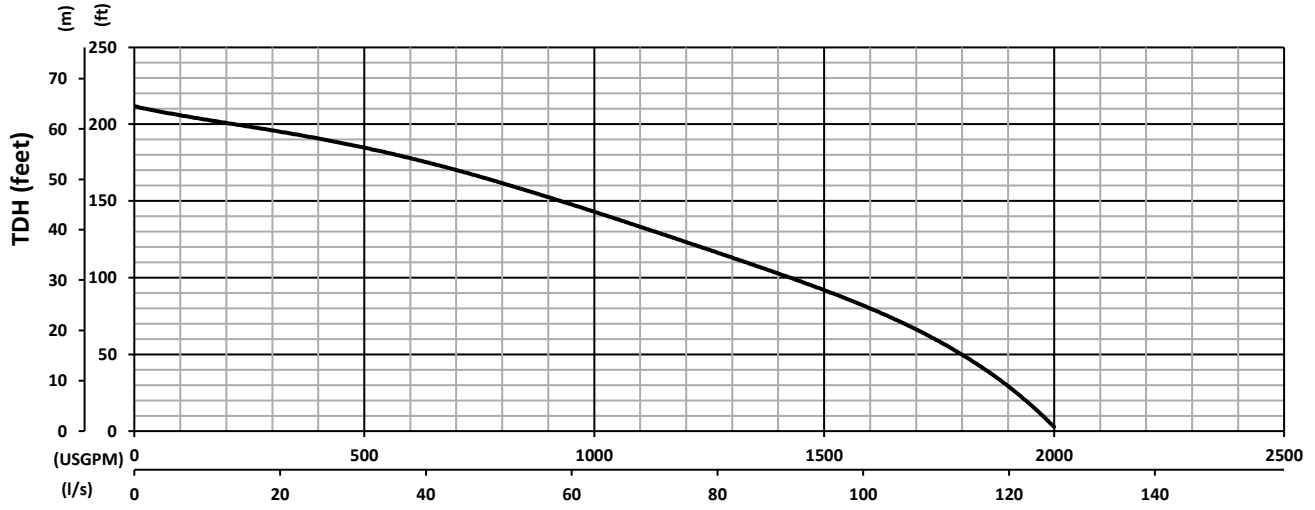
DS-A18-103

Rev:

2

Date:

12/18/25



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Dewatering Pumps S6000 MR - Dual Units Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 198mm

Specifications subject to change without notice

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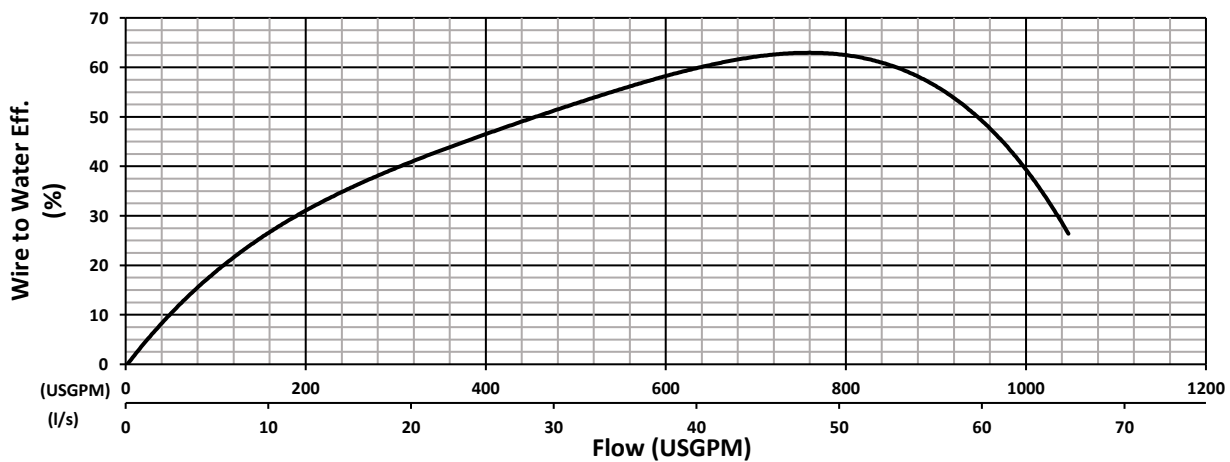
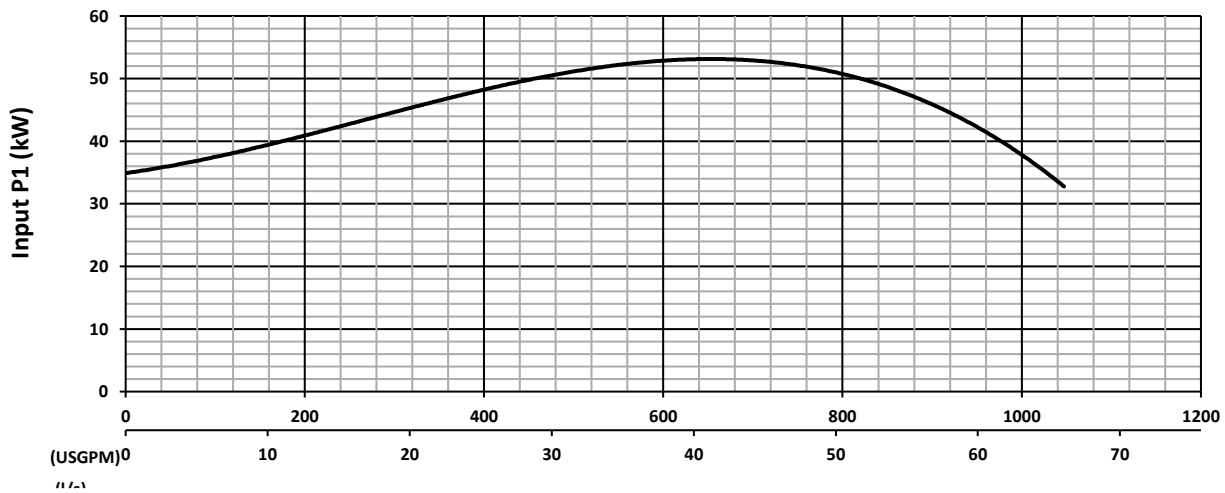
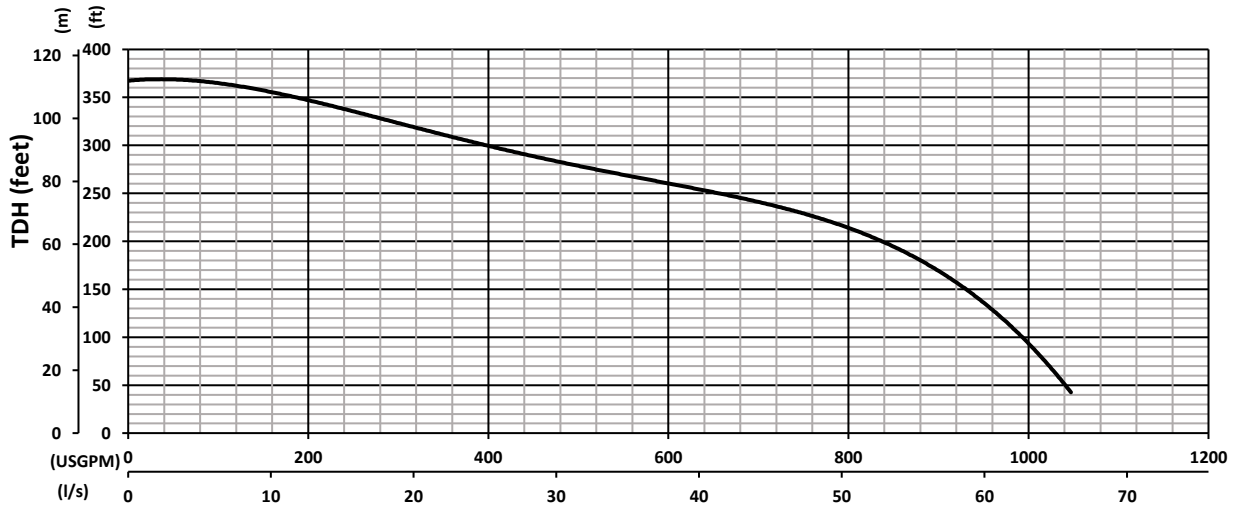


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Stancor® Dewatering Pumps S6000 HH

Dwg:	DS-A18-171	Rev:	2	Date:	12/18/25
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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	257mm

Specifications subject to change without notice

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