



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

Mine Dewatering Pumps SX2000 HH/HV/MR V2

Dwg: DS-A16-052 Rev: 7 Date: 2/23/2026

Motor Specifications

Motor Design	NEMA design B, squirrel cage induction, air filled
Motor Type	Enclosed submersible, IP 68
Maximum Submergence	65 feet (20m)
Minimum Submergence	2.5 feet (0.8m)
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
MSHA Approval	2G-3142A-0



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)
							100% Load			
SX-2000	3Ø	18	230V	49	242.3	F	0.87	0.87	2/3450	
			460V	24.5	121.1	F	0.87	0.87	2/3450	
			575V	17.25	84.3	E	0.87	0.87	2/3450	
			950V	13	75	H	0.87	0.87	2/3450	

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 304 Stainless Steel	ASTM A532 Class III Type Chromium
Volute	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	Double row angular contact ball bearing, double	Double row angular contact ball bearing, double
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 HV	17-4PH Stainless Steel	ASTM A532 Class III Type Chromium
Impeller MR	AISI 316 Stainless Steel	ASTM A532 Class III Type Chromium

DIMENSIONS, WEIGHT, AND MISC.

Pump weight (without cable)	282 lbs (127.9 kg)
Discharge size, HH	4 inch NPT male vertical
Discharge size, HV	6 inch NPT male vertical
Discharge size, MR	4 inch NPT male vertical / 6 inch NPT male vertical

CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length*	Outer Jacket	
SX-2000	3Ø	230V	8/3, 6/3, 4/3 G-GC	Per MSHA Approval	CPE, Heavy Duty
		460V	8/3, 6/3, 4/3 G-GC	Per MSHA Approval	CPE, Heavy Duty
		575V	8/3, 6/3, 4/3 G-GC	Per MSHA Approval	CPE, Heavy Duty
		950V	6/3, 4/3 SHD-GC	Per MSHA Approval	CPE, Heavy Duty

* Cable size and length per MSHA approval.



Specifications subject to change without notice

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PERFORMANCE CURVE

Stancor® Mine Dewatering Pumps SX2000 HH

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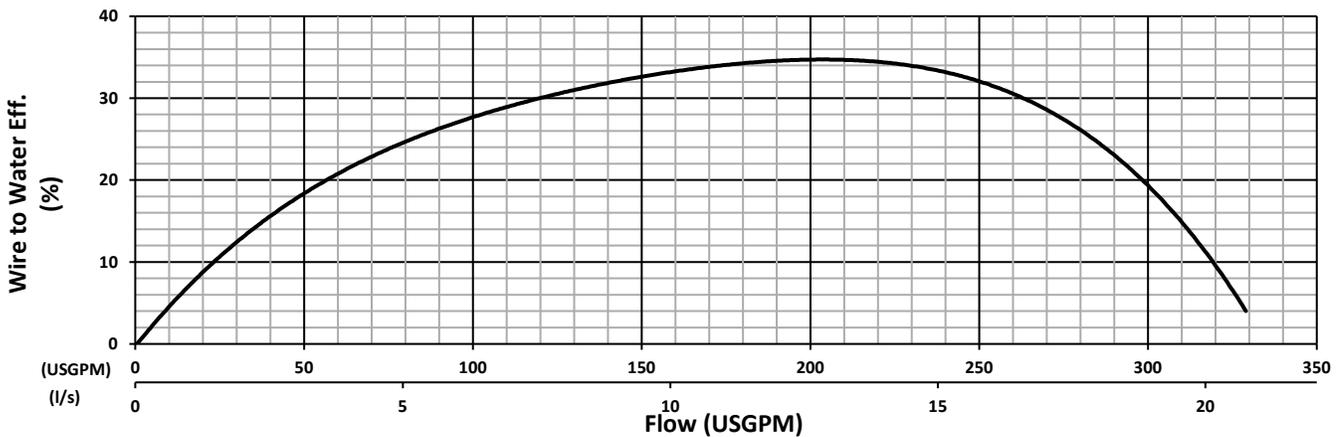
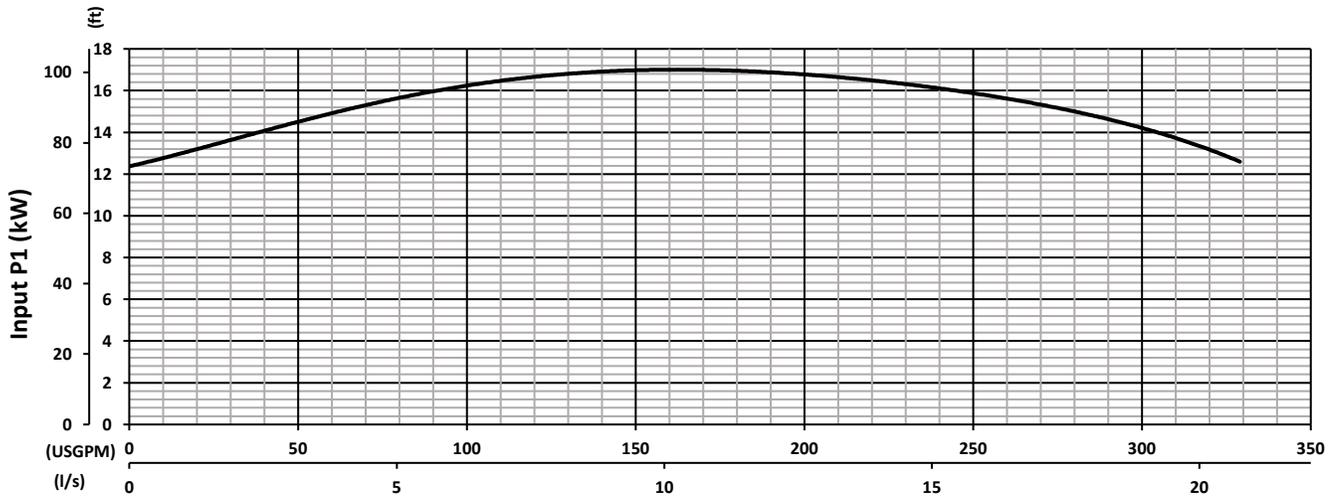
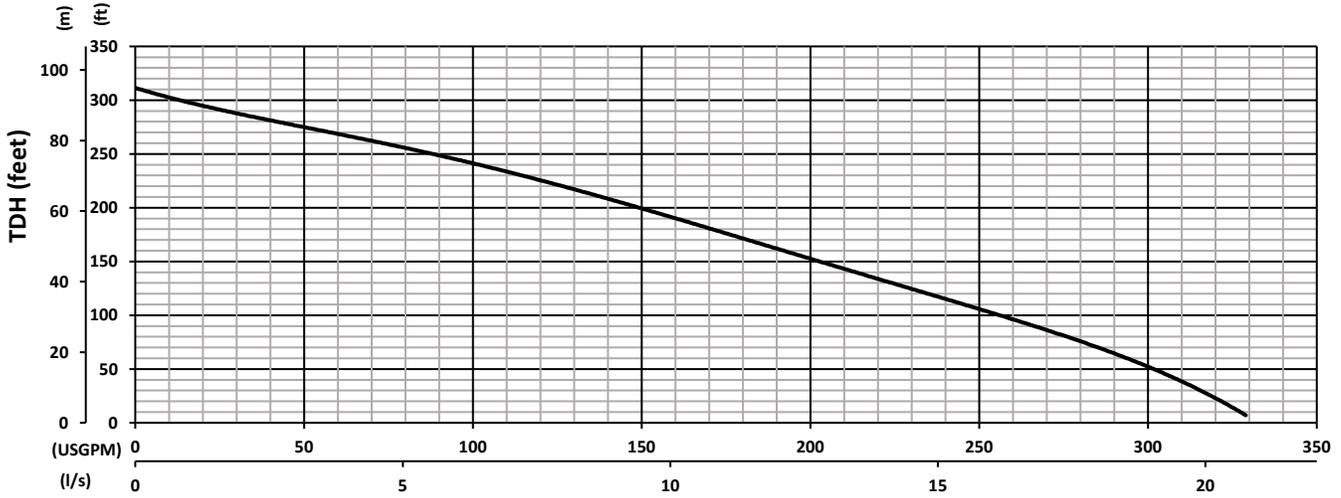
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Rev:

5

Date:

12/18/2025



Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

Mine Dewatering Pumps SX2000 HH - Dual Units

Frequency	60 Hz
Pump Speed	3450 RPM
Impeller	185 / 178mm

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INDUSTRIAL FLOW SOLUTIONS™

PERFORMANCE CURVE

Stancor® Mine Dewatering Pumps SX2000 HV

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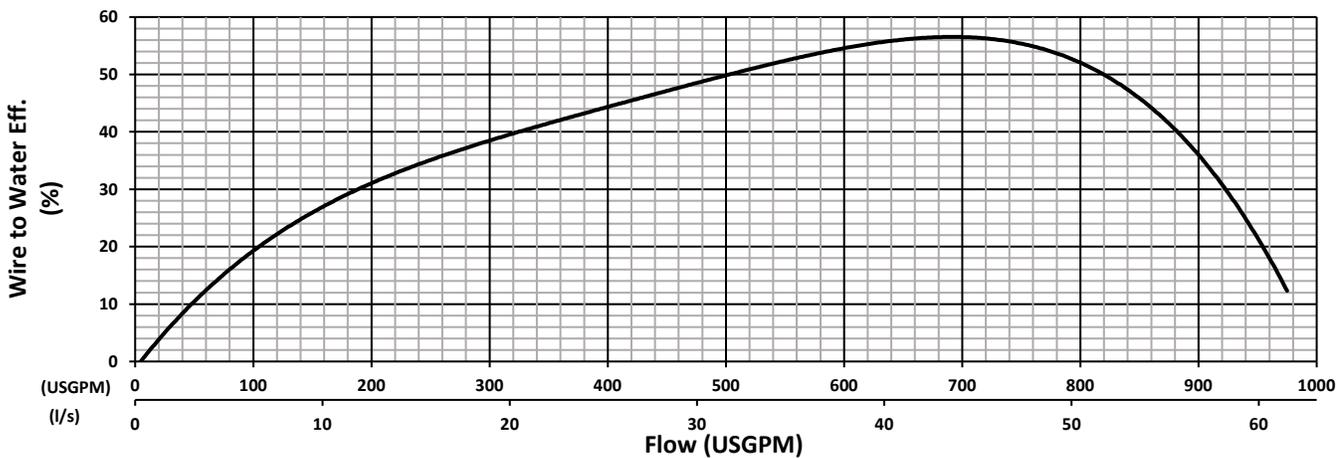
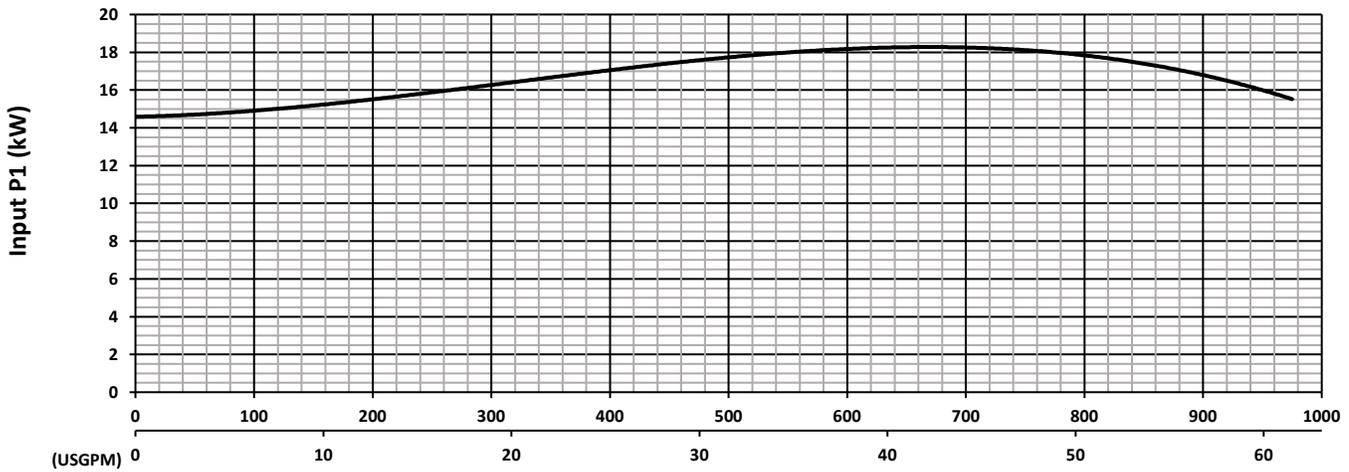
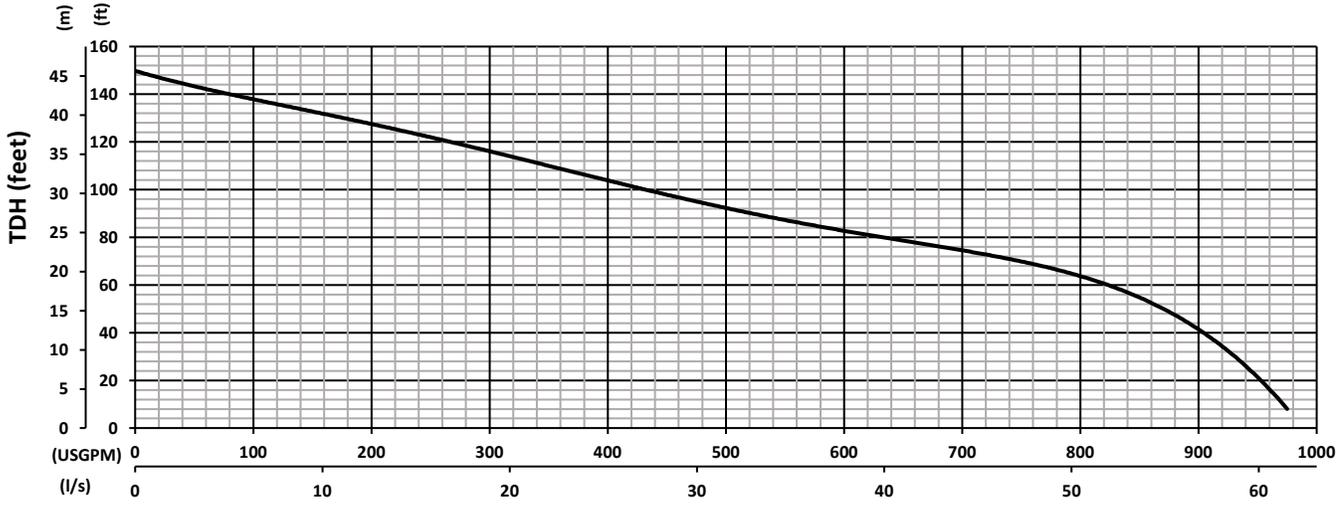
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Rev:

4

Date:

12/18/2025



Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

Mine Dewatering Pumps SX2000 HV - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller 160mm

Specifications subject to change without notice

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INDUSTRIAL FLOW SOLUTIONS™

PERFORMANCE CURVE

Stancor® Mine Dewatering Pumps SX2000 MR

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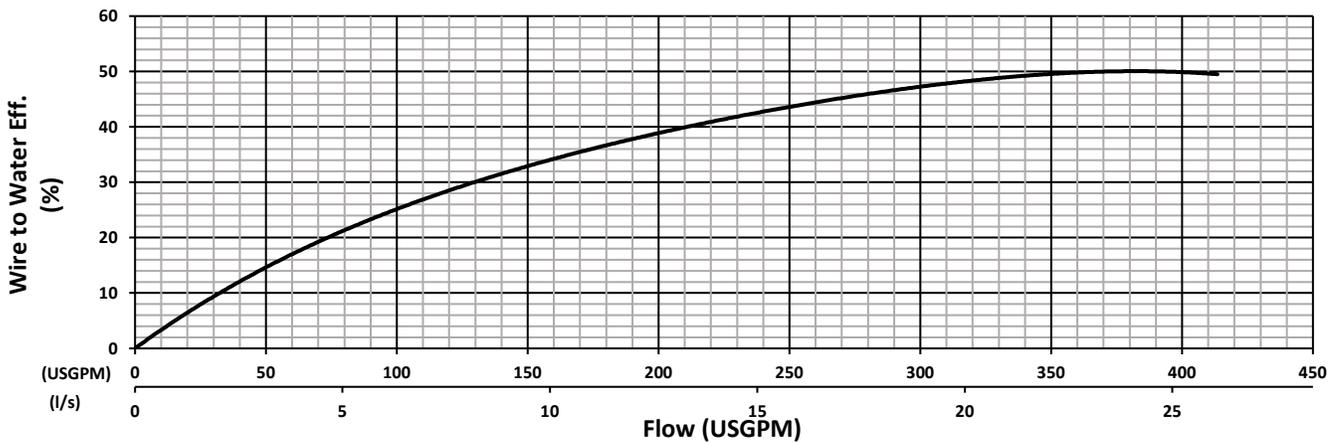
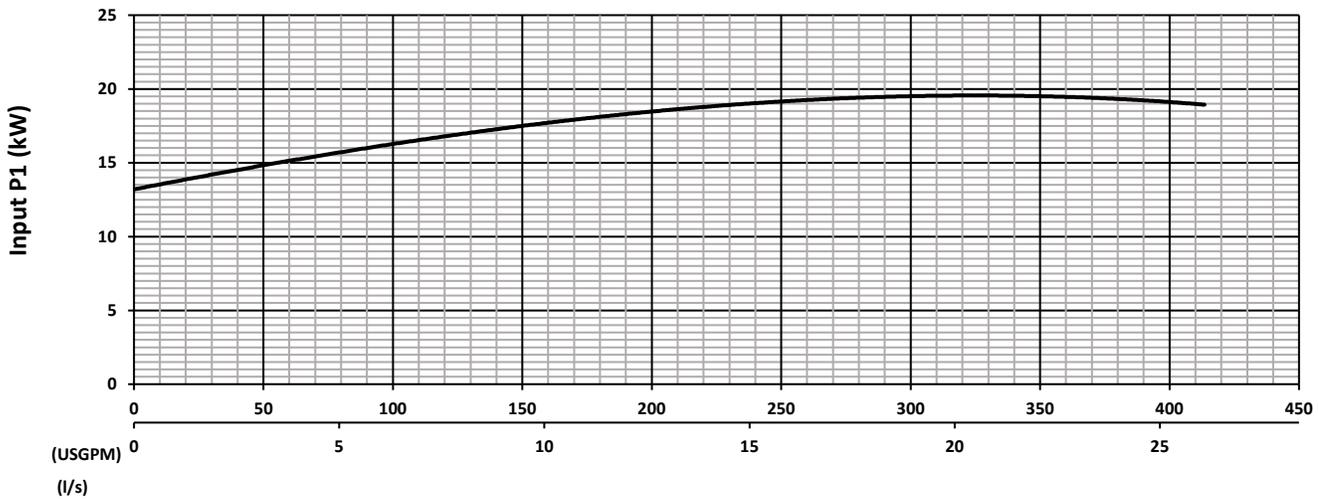
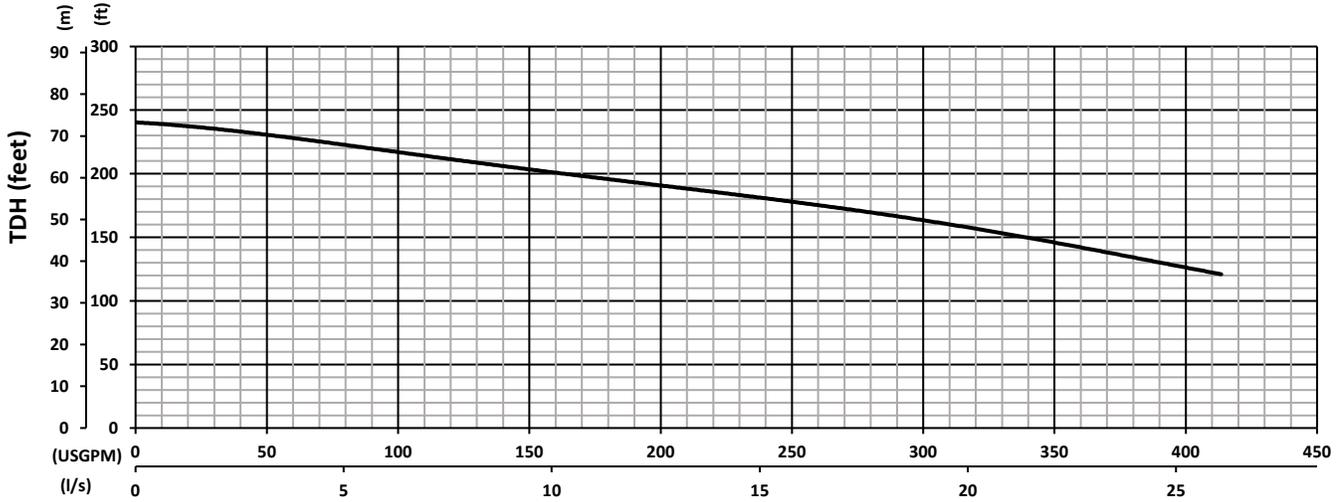
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Rev:

2

Date:

12/18/2025



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Mine Dewatering Pumps - Dual Units

Frequency 60 Hz

Pump Speed 3450 RPM

Impeller 215mm

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