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## TECHNICAL DATA

## Stancor® Mine Trash Pumps P50CSSE-2

Dwg: DS-A17-045 Rev: 2 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)
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-2796A (460Volt), 2G-2796A-1(575 Volt)



### 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		
P50CSSE-2	3Ø	10	460V	14	88	H	0.88	0.85	2/3450
			575V	11	71	H	0.88	0.85	2/3450

### Materials of Construction

	Standard
Upper Motor Lid	AISI 304 Stainless Steel
Motor Housing	AISI 304 Stainless Steel
Oil Chamber	AISI 304 Stainless Steel
Strainer	AISI 304 Stainless Steel
Volute	AISI 304 Stainless Steel
External Hardware	AISI 304 Stainless Steel
O-Rings	Viton ®
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)	230 lbs (69kg)
Discharge size	3 inch NPT male vertical
Solids size	0.75" (18.90mm)

### CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length*	Outer Jacket	
P50CSSE-2	3Ø	460V	Drill Cord SOOW 10/5, 12/4	50' Standard	CPE, Heavy Duty
		575V	Drill Cord SOOW 10/5, 12/4	50' Standard	CPE, Heavy Duty

\* Cable size and length per MSHA approval.



Specifications subject to change without notice

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# PERFORMANCE CURVE

# Stancor® Mine Trash Pumps P50CSSE-2 Curve

Dwg:

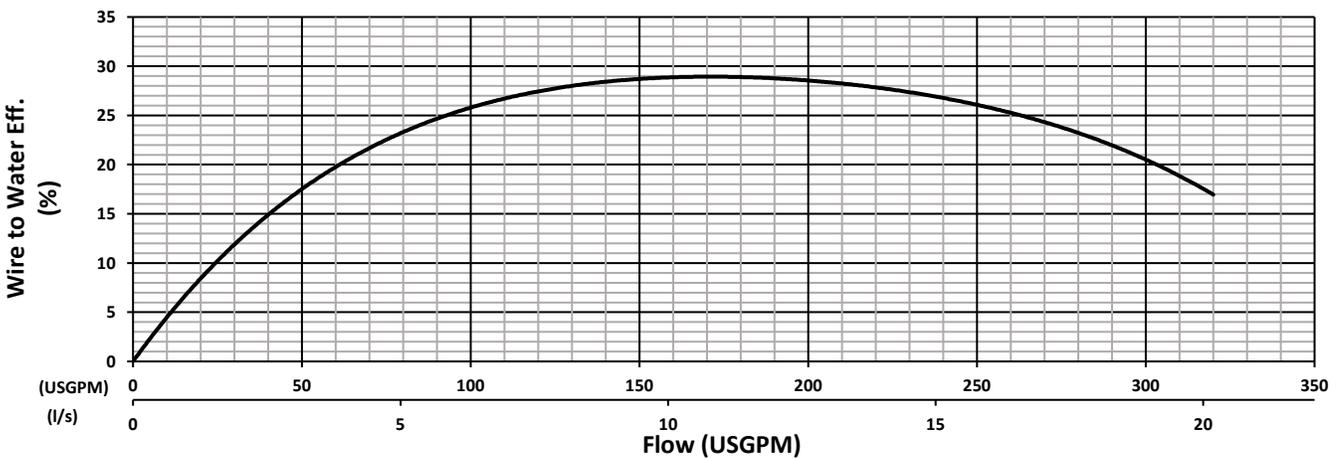
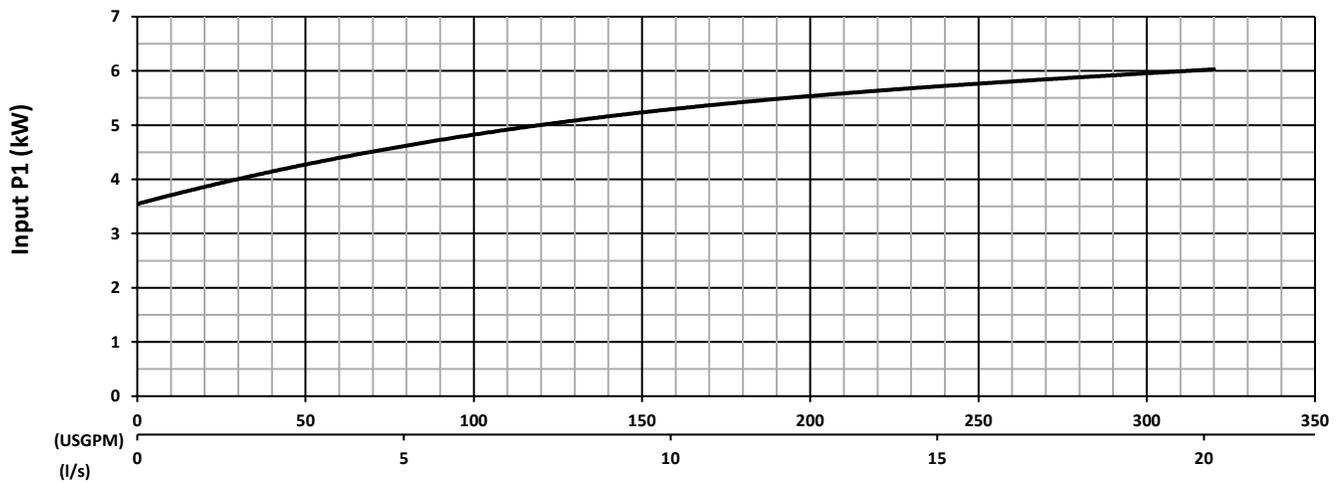
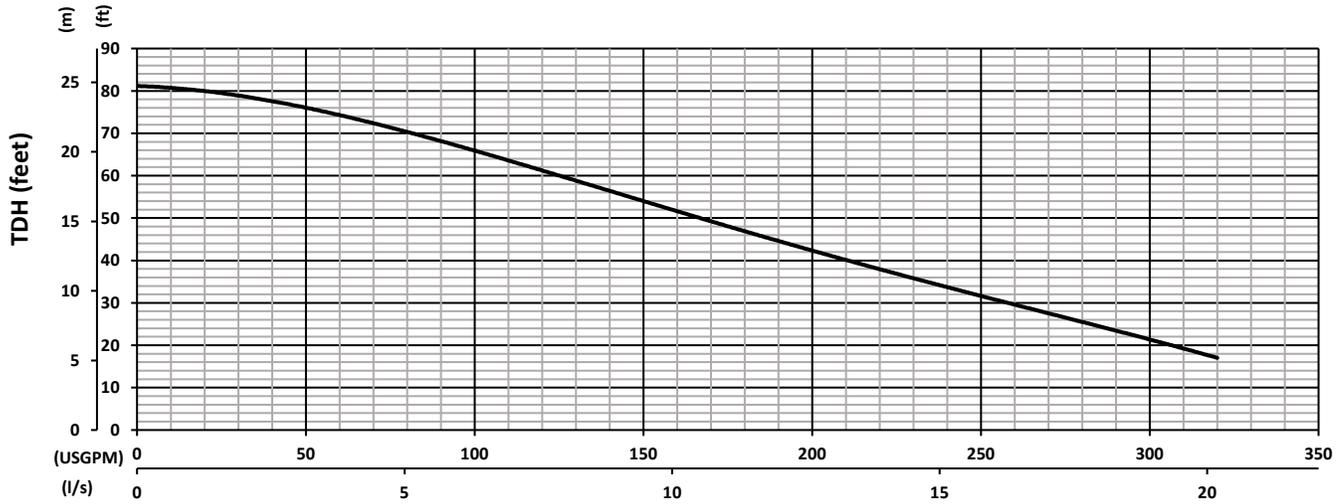
DS-A17-026

Rev:

2

Date:

12/18/2025



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

### Mine Trash Pumps P50CSSE-2 Curve - Dual Units

Frequency 60 Hz  
Pump Speed 3450 RPM  
Impeller 140mm

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