



INDUSTRIAL
FLOW
SOLUTIONS™

TECHNICAL DATA

Stancor® Mine Trash Pumps P50CSE-2

Dwg: DS-A17-007 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 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-3912A-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		
P50CSE-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	356-T6 Aluminum
Motor Housing	356-T6 Aluminum
Oil Chamber	AISI 304 Stainless Steel
Strainer	AISI 304 Stainless Steel
Volute	ASTM A-48, Class 35B
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)	152 lbs (69kg)
Discharge size	3 or 4 inch NPT male vertical
Solids size	0.75" (18.90mm)

CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length*	Outer Jacket	
P50CSE-2	3Ø	460V	Drill Cord SOOW 12/5	Per MSHA Approval	CPE, Heavy Duty
		575V	Drill Cord SOOW 12/5	Per MSHA Approval	CPE, Heavy Duty

* Cable size and length per MSHA approval.



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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INDUSTRIAL
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PERFORMANCE CURVE

Stancor® Mine Trash Pumps P50CSE-2 Curve

Dwg:

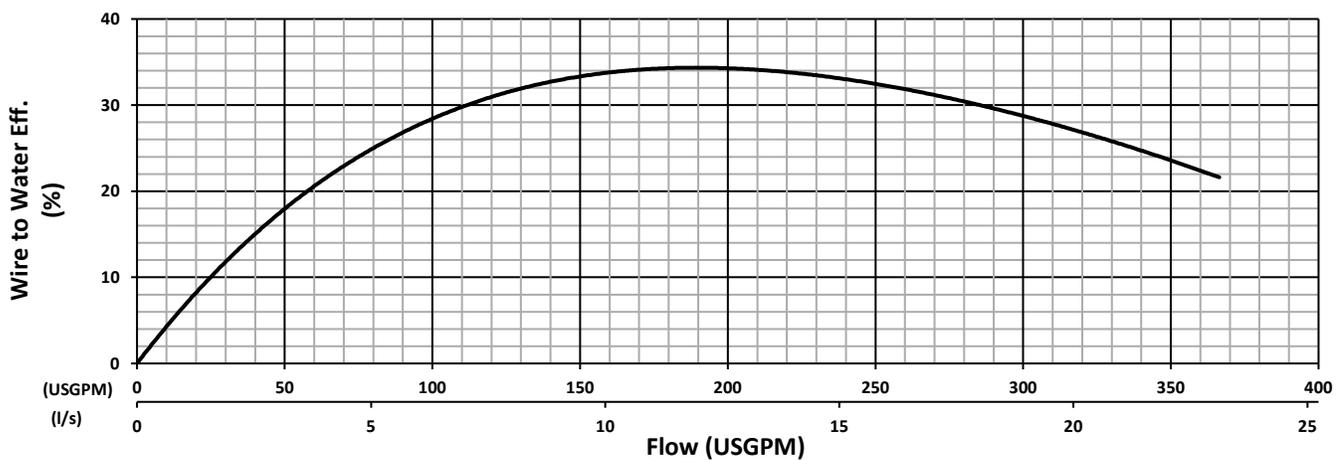
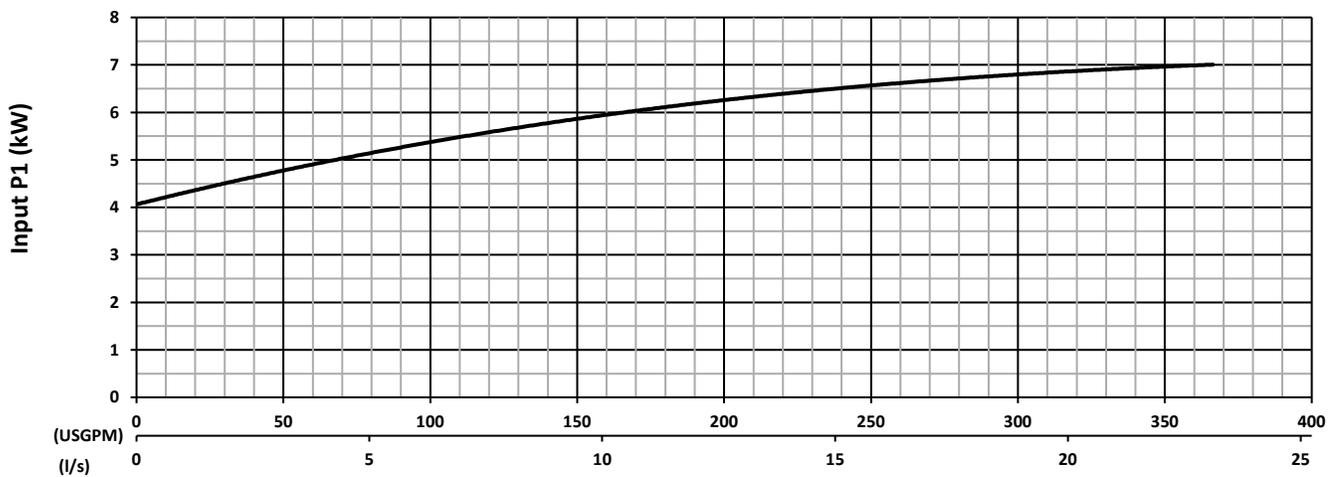
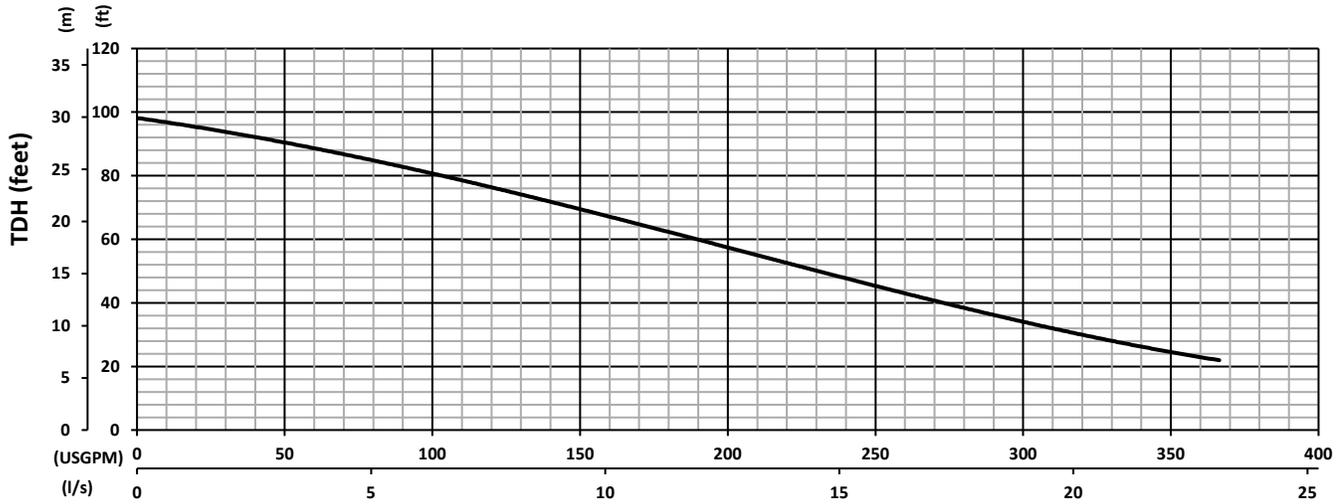
DS-A17-013

Rev:

4

Date:

12/18/2025



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Mine Trash Pumps P50CSE-2 Curve - Dual Units

Frequency

60 Hz

Pump Speed

3450 RPM

Impeller

155mm

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