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# TECHNICAL DATA

## Mine Dewatering Pumps P20CE

Dwg: DS-A16-001 Rev: 5 Date: 2/23/2026

### Motor Specifications

<b>Motor Design</b>	NEMA design B, squirrel cage induction, air filled
<b>Motor Type</b>	Enclosed submersible, IP 68
<b>Maximum submergence</b>	65 feet (20m)
<b>Insulation Class</b>	Class F, rated at 155° C
<b>Motor Protection</b>	Bi-metallic Thermal Switch
<b>Bi-Metallic Temp Trip</b>	130° C ± 5° C
<b>Service Factor</b>	1.15
<b>Max. Liquid Temperature</b>	104°F (40°C)
<b>Voltage Tolerance</b>	± 10% from nominal
<b>MSHA Approval</b>	2G-3018



### Motor Data, 60Hz

Model	Phase	Output Power BHP	Volts	Full Load Amps	Locked Rotor Amps	Nema Code Letter	100% Load		Pole/Speed (Rpm)
							Power Factor	Motor Efficiency	
P20CE	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	1.5	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 Constuction

	Standard
<b>Upper Motor Lid</b>	356-T6 Aluminum
<b>Motor Housing</b>	356-T6 Aluminum
<b>Oil Chamber</b>	AISI 304 Stainless Steel
<b>Strainer</b>	AISI 304 Stainless Steel
<b>Volute</b>	356-T6 Aluminum - Rubber Lined
<b>External Hardware</b>	AISI 304 Stainless Steel
<b>O-Rings</b>	NBR
<b>Motor Shaft</b>	AISI 416 Stainless Steel
<b>Upper Bearing</b>	Deep groove ball bearing, double sealed
<b>Lower Bearing</b>	Double row angular contact ball bearing, double shielded
<b>Shaft Seal</b>	SiC/SiC
<b>Impeller</b>	AISI 316 Stainless Steel

### DIMENSIONS, WEIGHT, AND MISC.

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

### CABLE SPECIFICATIONS

Model	Phase/Voltage	Power Cable*	Length*	Outer Jacket	
P20CE	1Ø	120V	Drill Cord SOOW 14/5	Per MSHA Approval	CPE, Heavy Duty
		230V	Drill Cord SOOW 14/5	Per MSHA Approval	CPE, Heavy Duty
	3Ø	230V	Drill Cord SOOW 14/5	Per MSHA Approval	CPE, Heavy
		460V	Drill Cord SOOW 14/5	Per MSHA Approval	CPE, Heavy Duty
		575V	Drill Cord SOOW 14/5	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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# PERFORMANCE CURVE

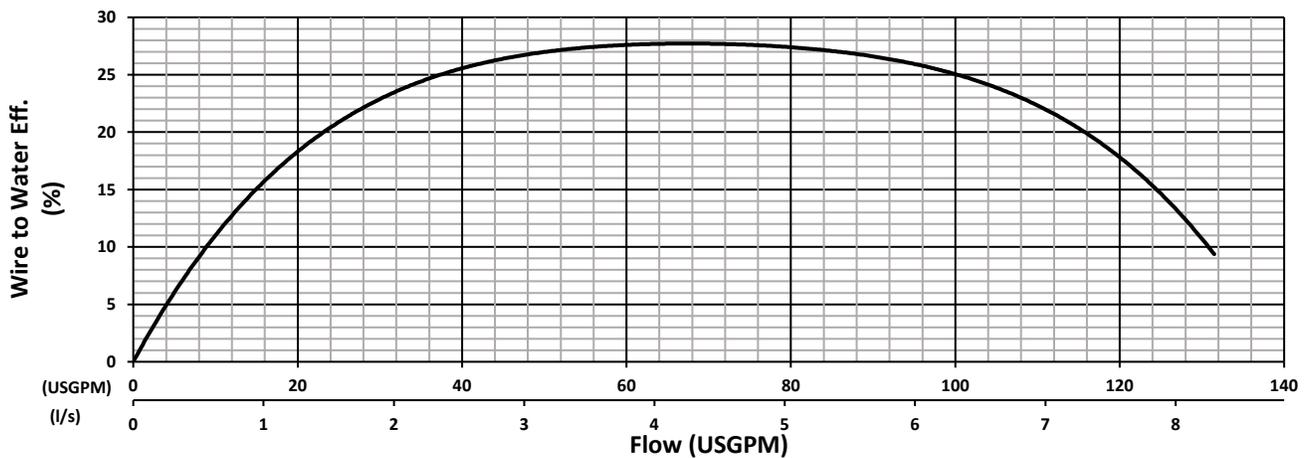
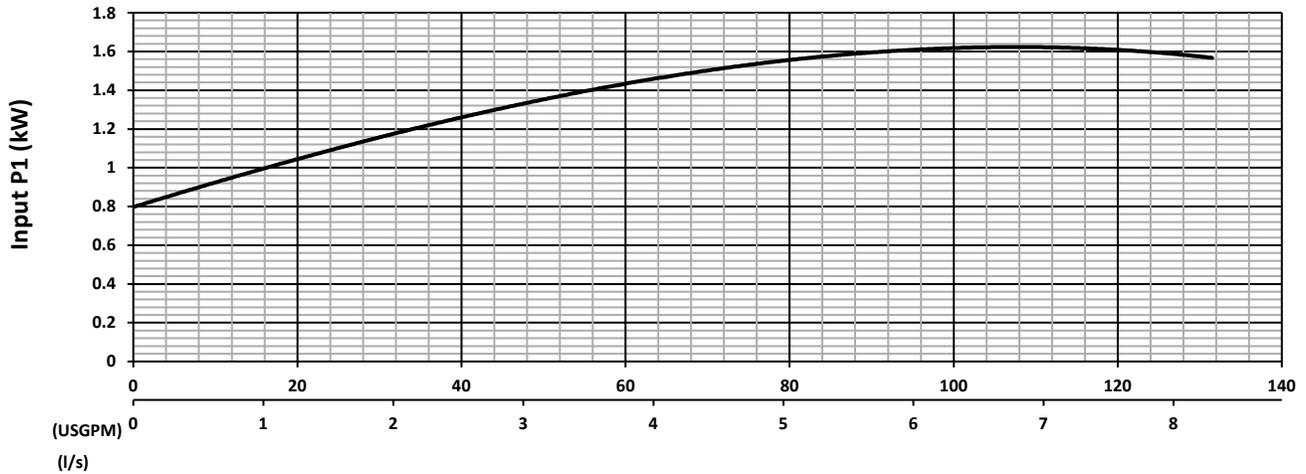
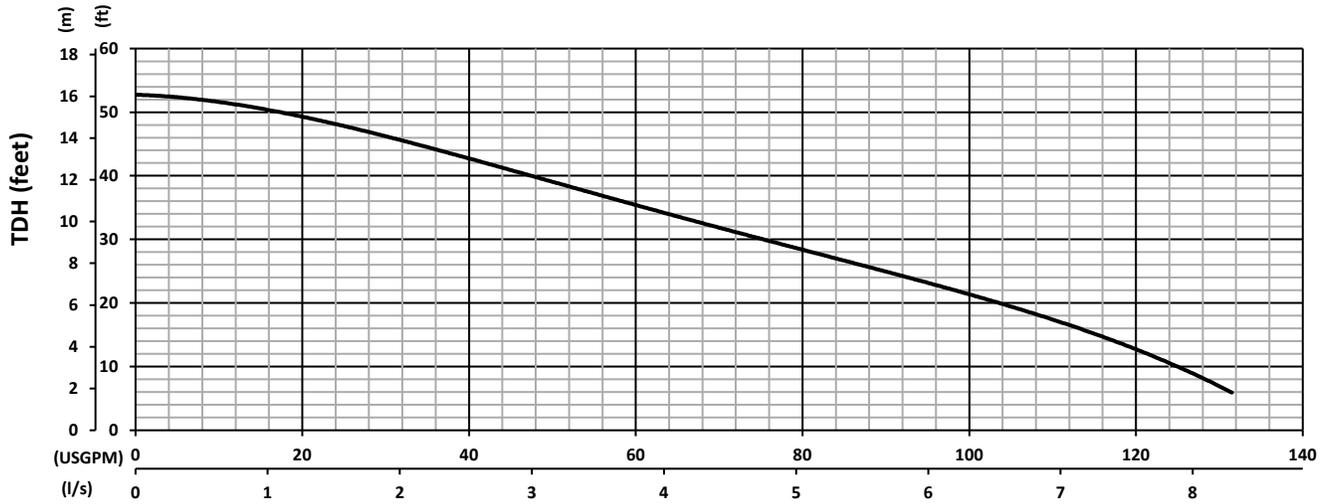
# Stancor® Mine Dewatering Pump P20CE

Dwg: DS-A16-003

Rev: 5

Date: 12/18/2025

12/18/2025



Test Standard : HI 11.6 Gr 3B

Tested with water at 20°C

Specifications subject to change without notice

Mine Dewatering Pump P20CE - Dual Units

Frequency 60 Hz

Pump Speed 3450 RPM

Impeller 215mm

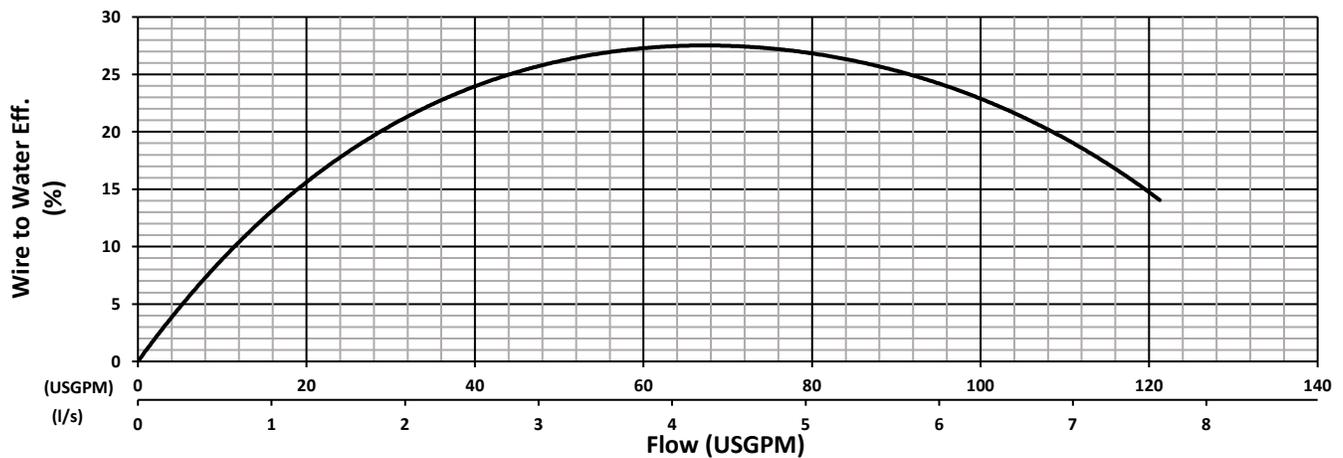
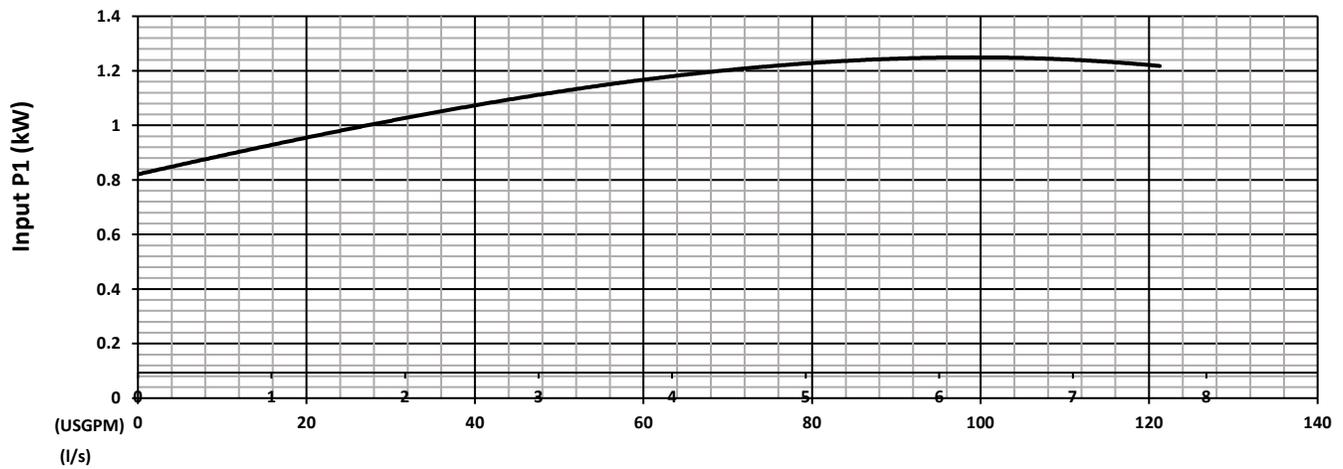
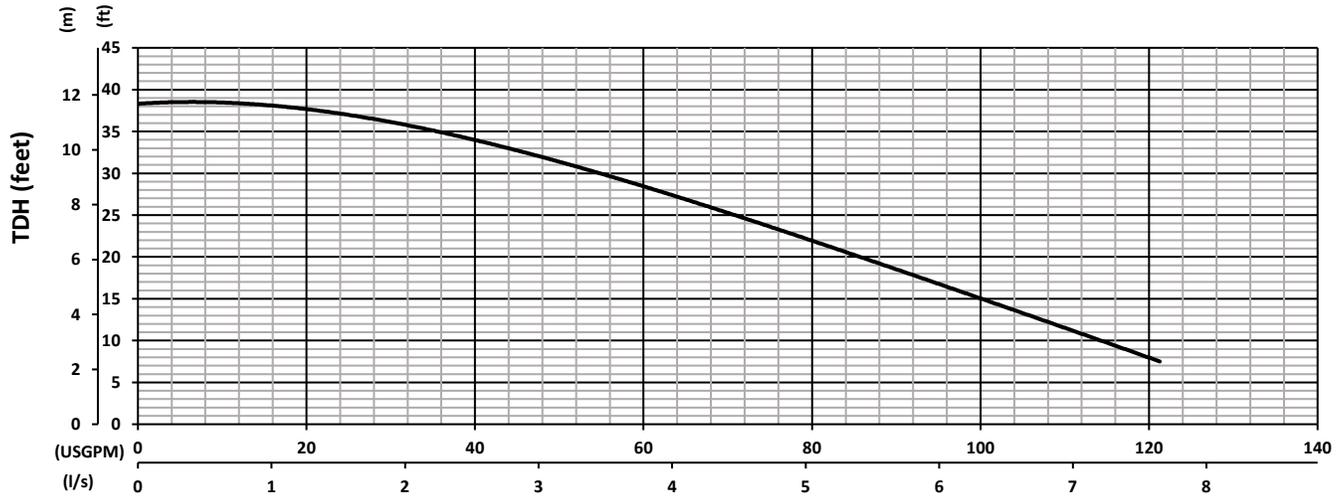


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# PERFORMANCE CURVE

## Stancor® Mine Dewatering Pumps P20CE 1Ø

Dwg:	DS-A16-131	Rev:	3	Date:	12/18/2025
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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 95mm

Specifications subject to change without notice