

## Submittal Data

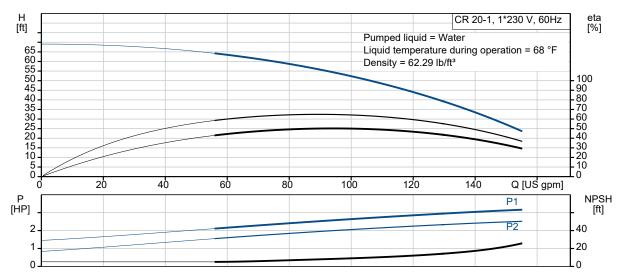
PROJECT:	UNIT TAG:	QUANTITY:	
	TYPE OF SERVICE:		
REPRESENTATIVE:	SUBMITTED BY:	 DATE:	
ENGINEER:	APPROVED BY:	 DATE:	
CONTRACTOR:	ORDER NO .:	DATE:	



CR 20-1 A-B-A-E-HQQE

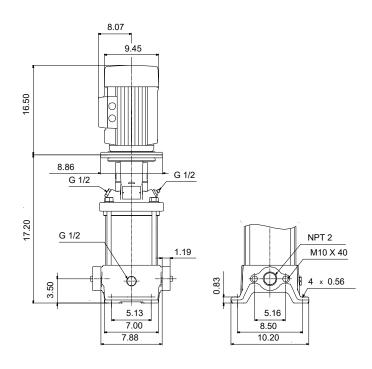
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

Conditions of Service		Pump Data	Pump Data		Motor Data	
Efficiency:		Max pressure at stated temperature:	145 psi / 250 °F	Rated power - P2:	3 HP	
Liquid:	Water	Liquid temperature range:	-4 248 °F	Rated voltage:	115/208-230 V	
Temperature:	68 °F	Maximum ambient temperature:	104 °F	Main frequency:	60 Hz	
NPSH required:	ft	Shaft seal:	HQQE	Enclosure class:	IP55	
Specific Gravity:	1.000	Product number:	99917688	Insulation class:	F	
				Motor protection:	РТО	
				Motor type:	WEG	
				Eff. 1/1:	80.0 %	



## Submittal Data





Materials:

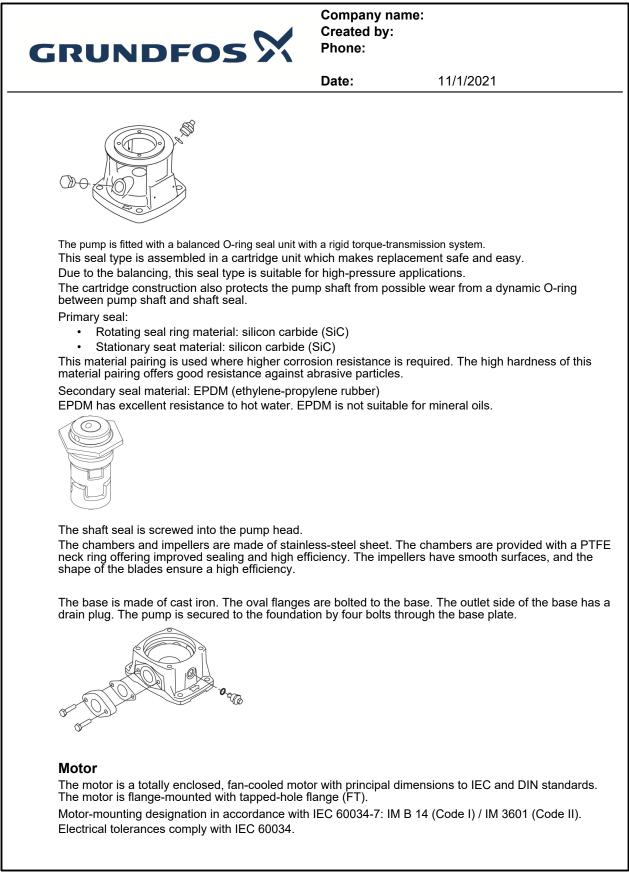
Base:Cast iBase:EN 15Base:ASTMImpeller:StainlImpeller:AISI 3Impeller:EN 1.Material code:ACode for rubber:E

Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

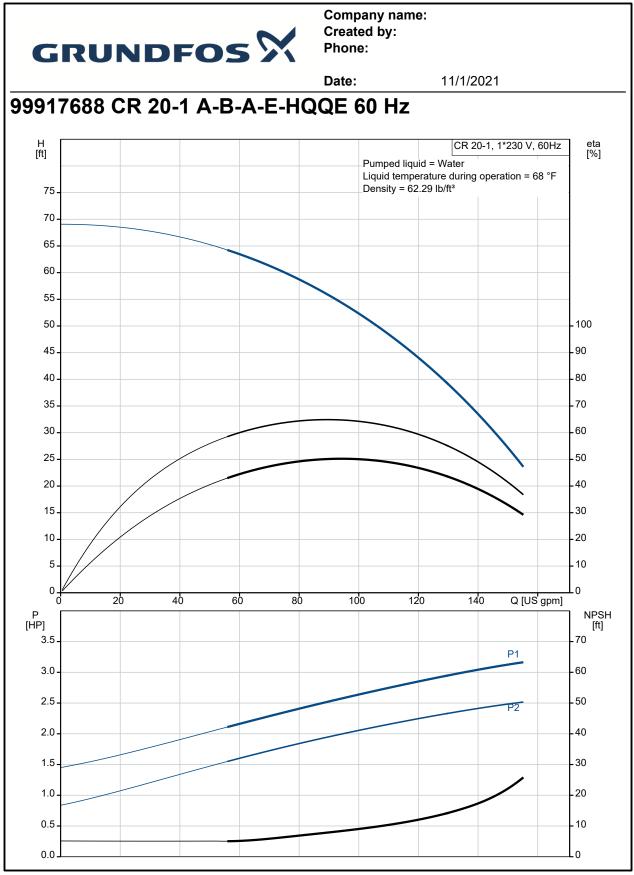


Company name: Created by: Phone:

	Date: 11/1/2021
Count	Description
1	CR 20-1 A-B-A-E-HQQE
	Product No.: 99917688
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via oval flanges with internal NPT threads.
	The pump is fitted with a 1-phase, fan-cooled asynchronous motor.
	Further product details
	Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process.
	CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface.
	An integral part of the process is a pretreatment.
	The entire process consists of these elements: 1) Alkaline-based cleaning.
	2) Zinc phosphating.
	<ul><li>3) Cathodic electro-deposition.</li><li>4) Curing to a dry film thickness 18-22 my m.</li></ul>
	The colour code for the finished product is NCS 9000/RAL 9005.
	<b>Pump</b> A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor stool by means of two coupling guards.
	The pump head, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.



G	RUNDFO	5 🕅	Company name: Created by: Phone:			
			Date:	11/1/2021		
Count	Description					
	60034-11 and requires no further temperatures, e.g. constant over	motor protecti load and stalled	on. The protection read d conditions.			
	As the thermal protection incorpor ensures that the automatic reset <b>Technical data</b>	he thermal protection incorporates automatic reset, the motor must be connected in a way which ures that the automatic reset cannot cause accidents.				
	Liquid: Liquid temperature range: Selected liquid temperature:	-4 248 °F 68 °F				
	Technical:					
	Materials:					
	Installation: t max amb: Maximum operating pressure: Max pressure at stated temperat	104 °F 145.04 psi ure: 145 psi / 145 psi /				
	Electrical data: Power (P2) required by pump: Starting current:	3 HP 700-700 %				
	Controls: Frequency converter:	NONE				
	Others: Country of origin: Custom tariff no.:	US 8413.70.2040				





Description

Product name:

Product No .:

Technical:

Rated flow:

Rated head:

Maximum head:

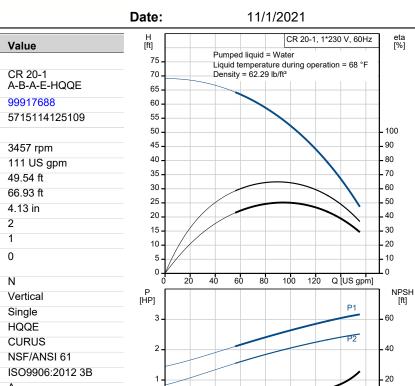
Actual impeller diameter:

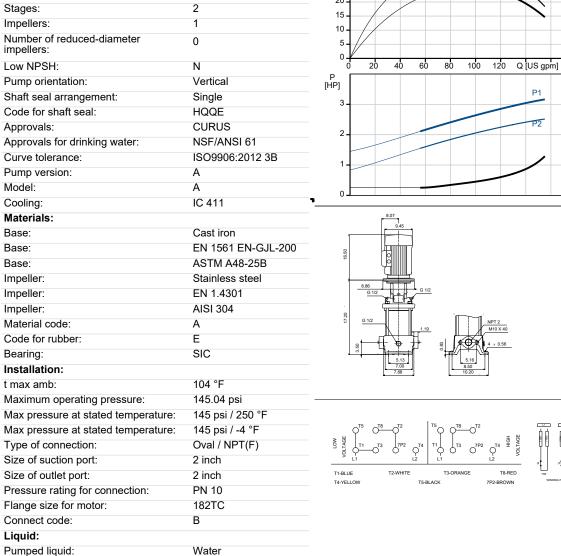
Rated pump speed:

EAN:

General information:

Company name: Created by: Phone:





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-4 .. 248 °F

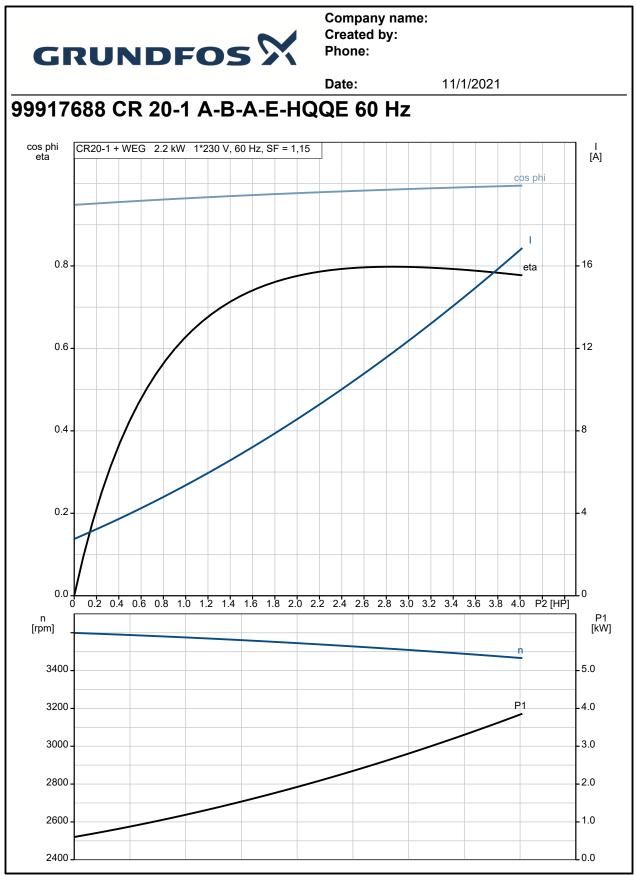
Liquid temperature range:

and and

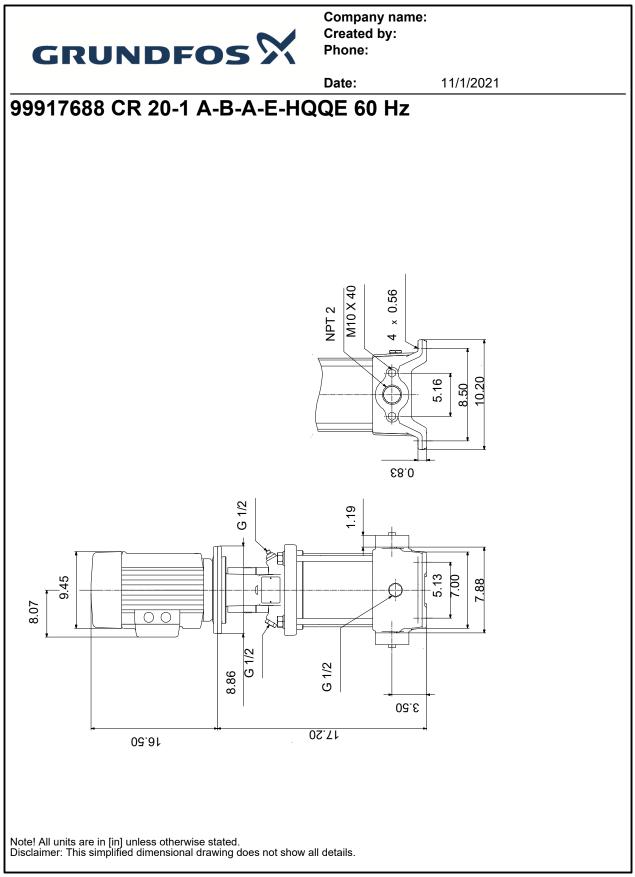


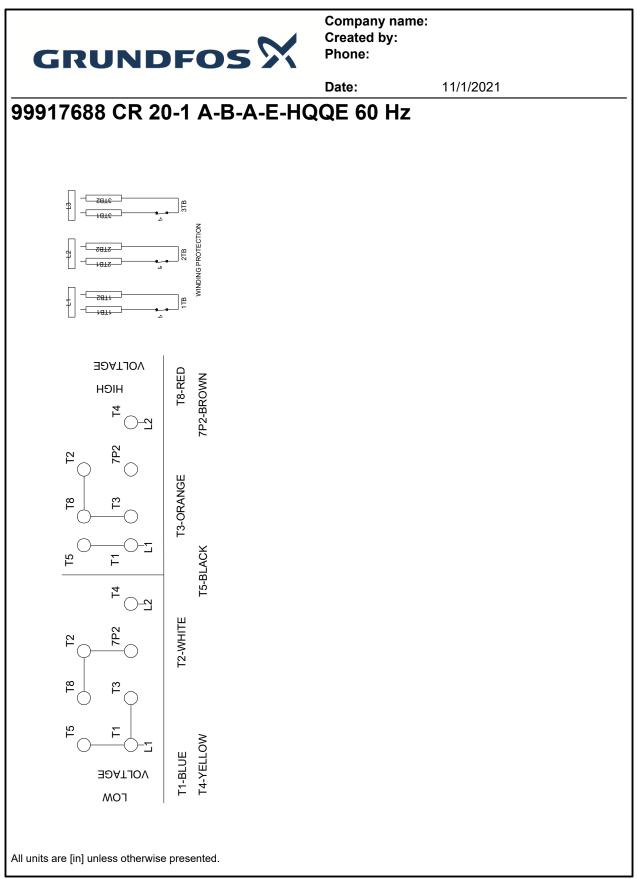
Company name: Created by: Phone:

		Date:	11/1/2021
Description	Value		
Selected liquid temperature:	68 °F		
Density:	62.29 lb/ft <sup>3</sup>		
Electrical data:			
Motor standard:	NEMA		
Motor type:	WEG		
Rated power - P2:	3 HP		
Power (P2) required by pump:	3 HP		
Main frequency:	60 Hz		
Rated voltage:	1 x 115/208-230 V		
Service factor:	1.15		
Rated current:	24,2/19,7-12,1 A		
Starting current:	700-700 %		
Full load SF current:	27.8/12.1 A		
Cos phi - power factor:	0.99		
Rated speed:	3510 rpm		
IE efficiency:	80.0%		
Motor efficiency at full load:	80.0 %		
Motor efficiency at 3/4 load:	78.0 %		
Motor efficiency at 1/2 load:	73.0 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	IP55		
Insulation class (IEC 85):	F		
Built-in motor protection:	PTO		
Motor Number:	99883322		
Controls:			
Frequency converter:	NONE		
Others:			
DOE Pump Energy Index CL:	0.91		
Net weight:	163 lb		
Gross weight:	179 lb		
Shipping volume:	8.26 ft <sup>3</sup>		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		



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