

Submittal Data

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

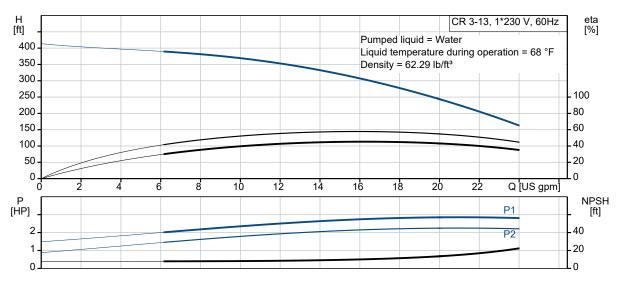


CR 3-13 A-FGJ-A-E-HQQE

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)

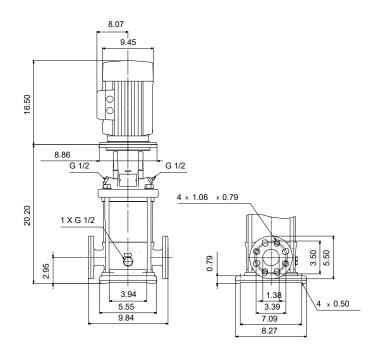
Product photo could vary from the actual product

Conditions	s of Service	Pump Data		Motor	Data
Efficiency:		Max pressure at stated temperature:	363 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	Approvals:	CURUS,NSF61	Enclosure class:	IP55
Specific Gravity:	1.000	Shaft seal:	HQQE	Insulation class:	F
		Product number:	99916285	Motor protection:	PTO
				Motor type:	WEG
				Eff. 1/1:	80.0 %



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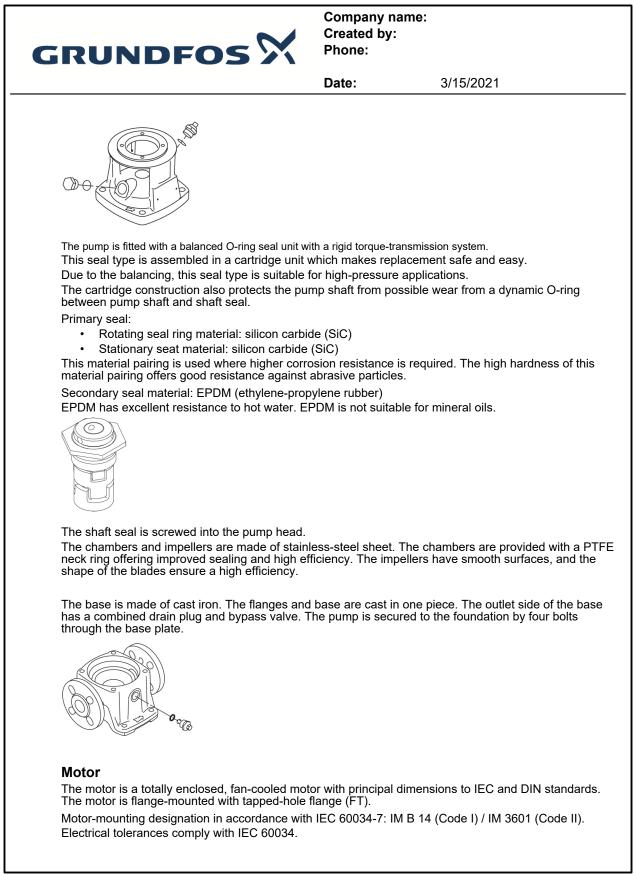
Materials:

Base:CastBase:EN 1Base:ASTMImpeller:StainImpeller:AISI 3Impeller:EN 1Material code:ACode for rubber:E

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



		Date:	3/15/2021
Count	Description		
1	CR 3-13 A-FGJ-A-E-HQQE		
	Product No.: 99916285		
	Vertical, multistage centrifugal pump with inlet ar and base are in cast iron – all other wetted parts high reliability, safe handling, and easy access a coupling. Pipe connection is via combined DIN-A	are in stainless steel. nd service. Power trar	A cartridge shaft seal ensures
	The pump is fitted with a 1-phase, fan-cooled as	ynchronous motor.	
	Further product details		
	Steel, cast iron and aluminium components have electro-deposition (CED) process.	an epoxy-based coat	ing made in a cathodic
	CED is a high-quality dip-painting process where deposition of paint particles as a thin, well-control	an electrical field arould a lectrical field around a lectrical field around a lectrical field around a lectric and the surfative structure an	und the products ensures ce.
	An integral part of the process is a pretreatment.		
	The entire process consists of these elements: 1) Alkaline-based cleaning.		
	2) Zinc phosphating.		
	3) Cathodic electro-deposition.4) Curing to a dry film thickness 18-22 my m.		
	The colour code for the finished product is NCS	9000/RAL 9005.	
	Duran		
	Pump A standard split coupling connects the pump and by means of two coupling guards.	motor shaft. It is encl	osed in the pump head/motor stool
	Cana Co		
	The pump head, pump head cover and flange fo has a combined 1/2" priming plug and vent screw	r motor mounting is ma v.	ade in one piece. The pump head

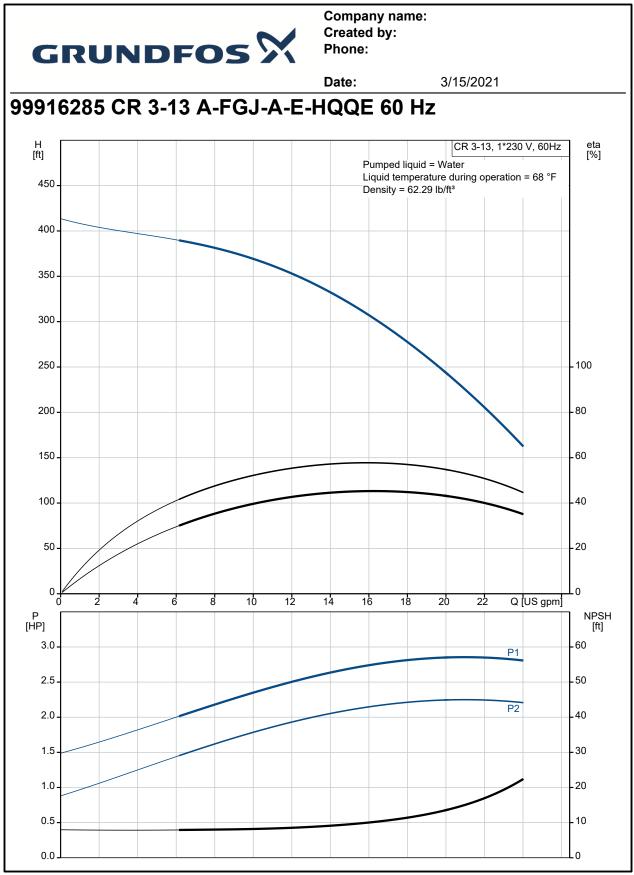


G	RUNDFO	5 🗙	Company n Created by: Phone:	
			Date:	3/15/2021
ount	Description			
	The motor has built-in thermal pro 60034-11 and requires no further temperatures, e.g. constant overl	motor protecti	on. The protecti	perature sensors) in accordance with IEC on reacts to both slow- and quick-rising
	As the thermal protection incorpo ensures that the automatic reset Technical data	rates automati cannot cause a	c reset, the moto accidents.	or must be connected in a way which
	Liquid: Pumped liquid:	Water		
	Liquid temperature range:	-4 248 °F		
	Selected liquid temperature:	68 °F		
	Density:	62.29 lb/ft3		
	Technical:			
	Rated pump speed:	3457 rpm		
	Rated flow:	15.4 US gpm		
	Rated head:	308.4 ft		
	Pump orientation:	Vertical		
	Shaft seal arrangement:	Single		
	Code for shaft seal:	HQQE		
	Approvals on nameplate:	CURUS,NSF		
	Curve tolerance:	ISO9906:201	2 3B	
	Materials:			
	Base:	Cast iron		
		EN 1561 EN-		
		ASTM A48-2	-	
	Impeller:	Stainless stee	el	
		EN 1.4301		
	Description	AISI 304		
	Bearing:	SIC SIC		
	Installation:	404.05		
	Maximum ambient temperature:	104 °F		
	Maximum operating pressure:	362.59 psi		
	Max pressure at stated temperate	ure: 363 psi . 363 psi .		
	Type of connection:	DIN / ANSI / .		
	Size of inlet connection:	DN 25/32		
	Size of outlet connection:	DN 25/32		
	Pressure rating for connection:	PN 25		
	Flange rating inlet:	250 lb		
	Flange size for motor:	182TC		
	Electrical data:			
	Motor standard:	NEMA		
	Motor type:	WEG		
	Rated power - P2:	3 HP		

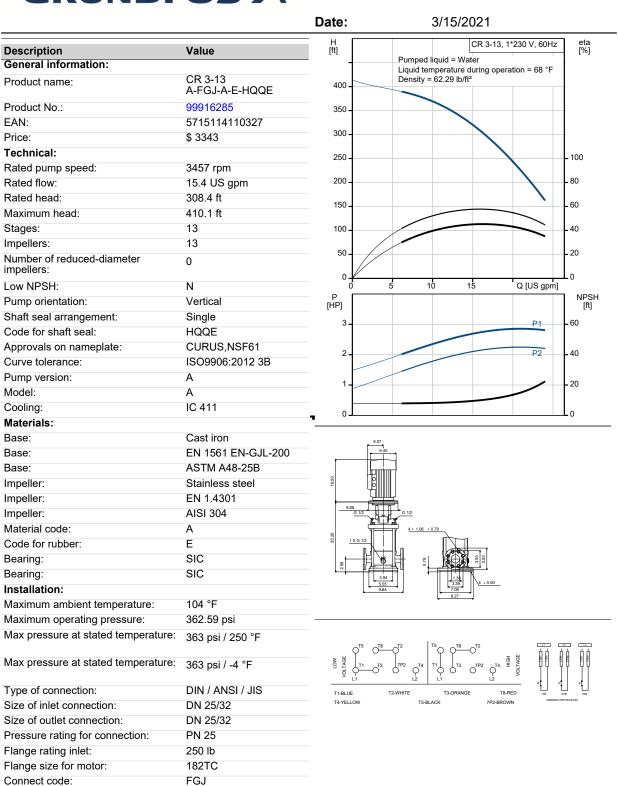
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		Date:	3/15/2021
ount	Description		
	Power (P2) required by pump:	3 HP	
	Main frequency:	60 Hz	
	Rated voltage:	1 x 115/208-230 V	
	Service factor:	1.15	
	Rated current:	24,2/19,7-12,1 A	
	Starting current:	700-700 %	
	Cos phi - power factor:	0.99	
	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	
	Motor Number:	99883322	
		33003322	
	Controls:		
	Frequency converter:	NONE	
	Others:		
	Net weight:	120 lb	
	Gross weight:	135 lb	
	Shipping volume:	8.26 ft ³	
	Country of origin:	US	
	Custom tariff no.:	8413.70.2040	



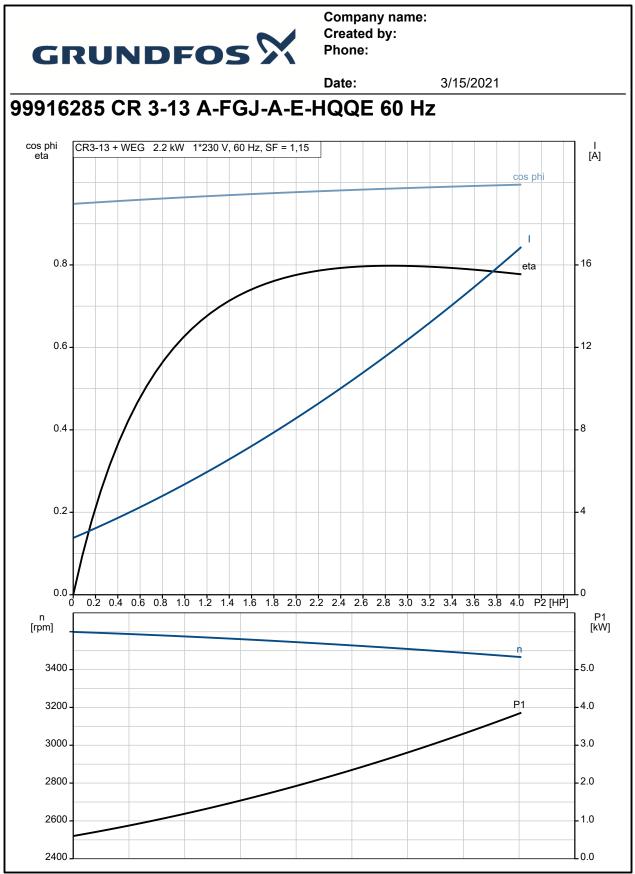




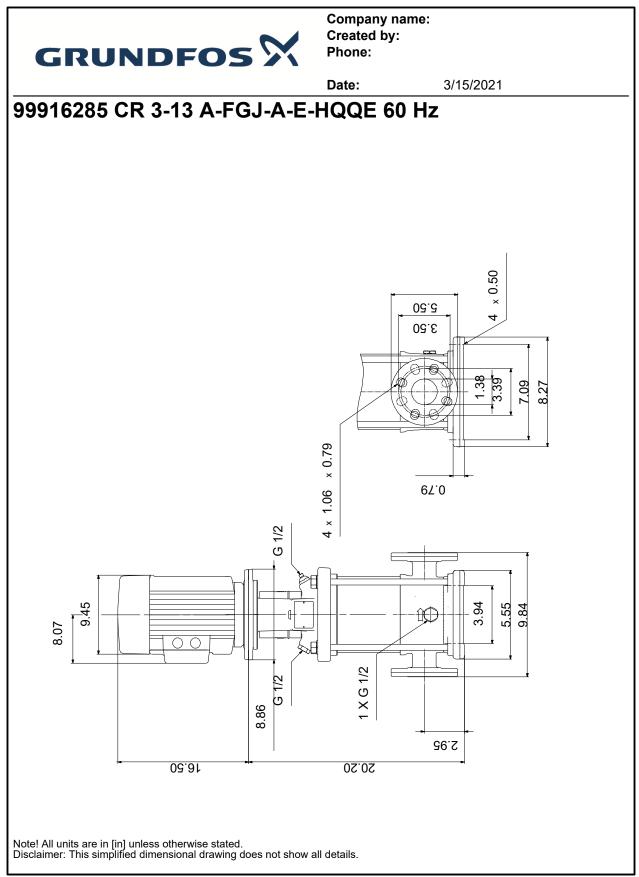
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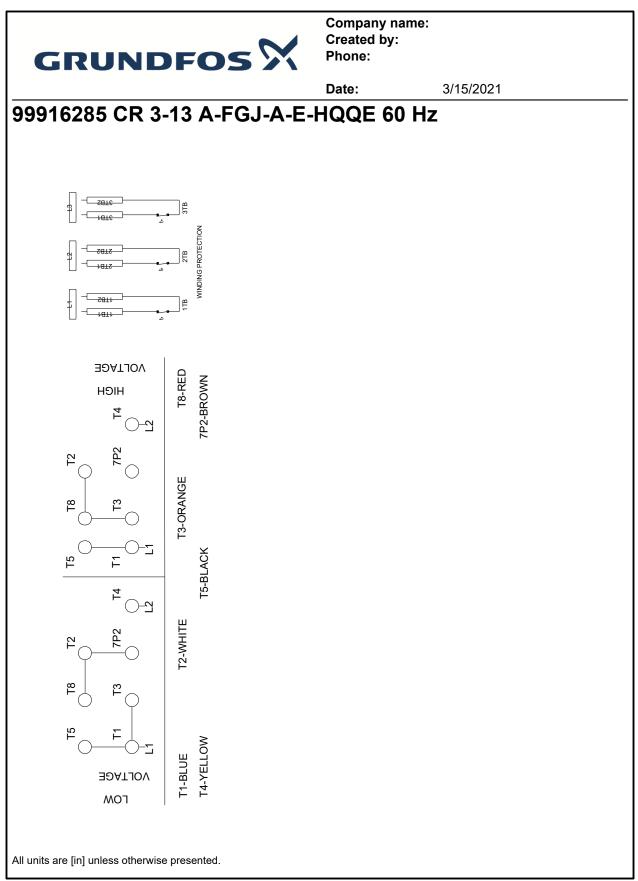
		Date:	3/15/2021
Description	Value		
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-4 248 °F		
Selected liquid temperature:	68 °F		
Density:	62.29 lb/ft ³		
Electrical data:			
Motor standard:	NEMA		
Motor type:	WEG		
Rated power - P2:	3 HP		
Power (P2) required by pump:	3 HP		
Main frequency:	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 %		
Load 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		
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