

Submittal Data

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

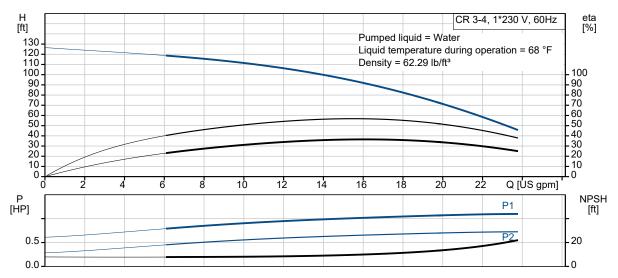


CR 3-4 A-FGJ-A-V-HQQV

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)

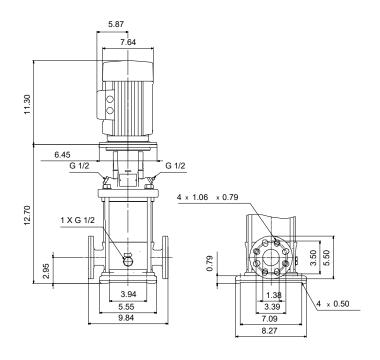
Product photo could vary from the actual product

Conditions	s of Service	Pump Data		Motor	Data
Efficiency:		Max pressure at stated temperature:	363 psi / 194 °F	Rated power - P2:	0.75 HP
Liquid:	Water	Liquid temperature range:	-4 194 °F	Rated voltage:	115/208-230 V
Temperature:	68 °F	Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
NPSH required:	ft	Approvals:	CURUS	Enclosure class:	IP55
Specific Gravity:	1.000	Shaft seal:	HQQV	Insulation class:	F
		Product number:	99916295	Motor protection:	PTO
				Motor type:	WEG
				Eff. 1/1:	66.0 %



Submittal Data



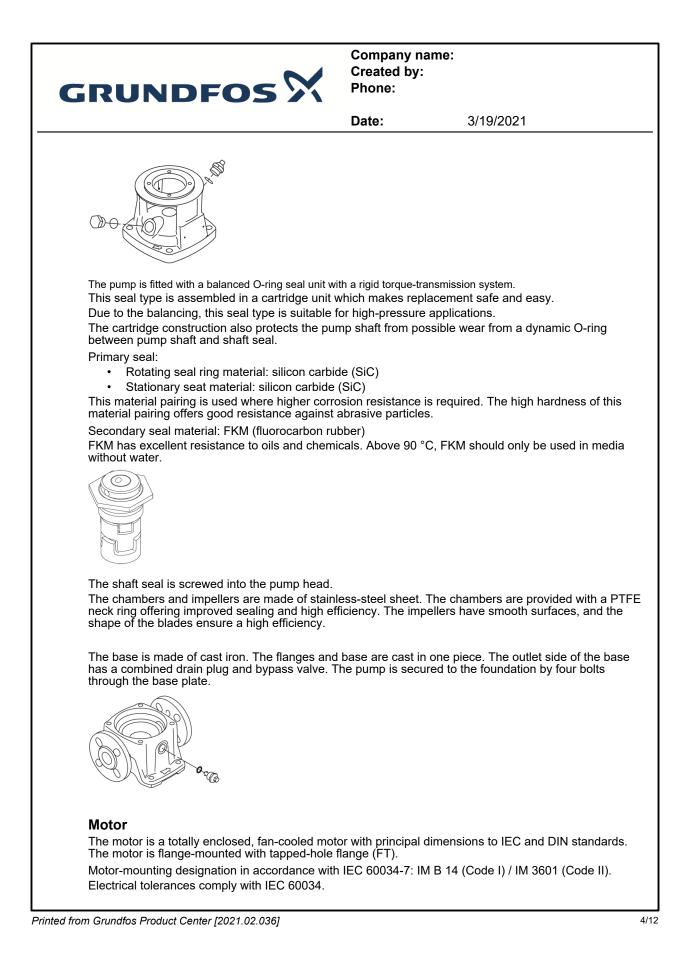


Materials:

- Base:Cast inBase:EN 15Base:ASTMImpeller:StainleImpeller:AISI 3Impeller:EN 1.4Material code:ACode for rubber:V
- Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A



	Date: 3/19/2021	
Count	Description	
1	CR 3-4 A-FGJ-A-V-HQQV	
	Product No.: 99916295	
	Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump hear 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 combined DIN-ANSI-JIS flanges.	₹d
	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. 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.	
	Pump	
	A standard split coupling connects the pump and motor shaft. It is enclosed in the pump head/motor sto by means of two coupling guards.	ol
	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.	Ł

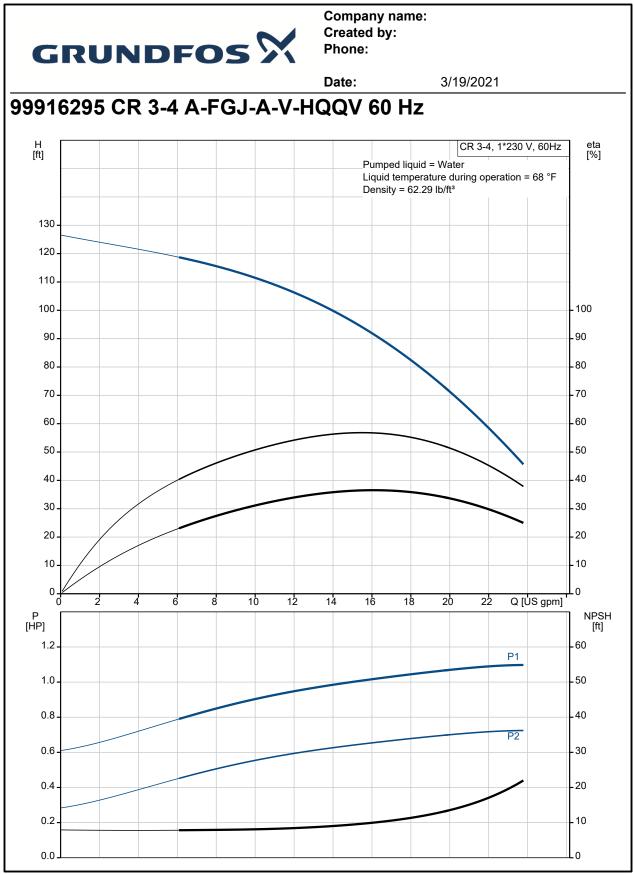


G	RUNDFO	5 🗙	Company na Created by: Phone:	
			Date:	3/19/2021
ount	Description			
	The motor has built-in thermal pro 60034-11 and requires no further temperatures, e.g. constant over	motor protecti	on. The protection	perature sensors) in accordance with IEC on reacts to both slow- and quick-rising
	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:	-4 194 °F		
	Selected liquid temperature:	68 °F		
	Density:	62.29 lb/ft ³		
	Technical:			
	Rated pump speed:	3464 rpm		
	Rated flow:	15.4 US gpm		
	Rated head:	90.56 ft		
	Pump orientation:	Vertical		
	Shaft seal arrangement:	Single		
	Code for shaft seal:	HQQV		
	Approvals on nameplate:	CURUS		
	Curve tolerance:	ISO9906:2012	2 3B	
	Materials:			
	Base:	Cast iron		
		EN 1561 EN-	GJL-200	
		ASTM A48-25	5B	
	Impeller:	Stainless stee	el	
		EN 1.4301		
		AISI 304		
	Bearing:	SIC		
		SIC		
	Installation:			
	Maximum ambient temperature:	104 °F		
	Maximum operating pressure:	362.59 psi		
	Max pressure at stated temperate			
	Type of connection:	DIN / ANSI / J		
	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:	56C		
	Electrical data:			
	Motor standard:	NEMA		
	Motor type:	WEG		
	Rated power - P2:	0.75 HP		

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		Date:	3/19/2021	
ount	Description			
	Power (P2) required by pump:	0.75 HP		
	Main frequency:	60 Hz		
	Rated voltage:	1 x 115/208-230 V		
	Service factor:	1.15		
	Rated current:	8/4,42-4 A		
	Starting current:	800-800 %		
	Cos phi - power factor:	0.91		
	Rated speed:	3500 rpm		
	IE efficiency:	66.0%		
	Motor efficiency at full load:	66.0 %		
	Motor efficiency at 3/4 load:	62.0 %		
	Motor efficiency at 1/2 load:	52.0 %		
	Number of poles:	2		
	Enclosure class (IEC 34-5):	IP55		
	Insulation class (IEC 85):	F		
	Motor Number:	99882378		
	Controls:			
	Frequency converter:	NONE		
	Others:			
	Net weight:	67.3 lb		
	Gross weight:	78.3 lb		
	Shipping volume:	4.94 ft³		
	Country of origin:	US		
	Custom tariff no.:	8413.70.2040		



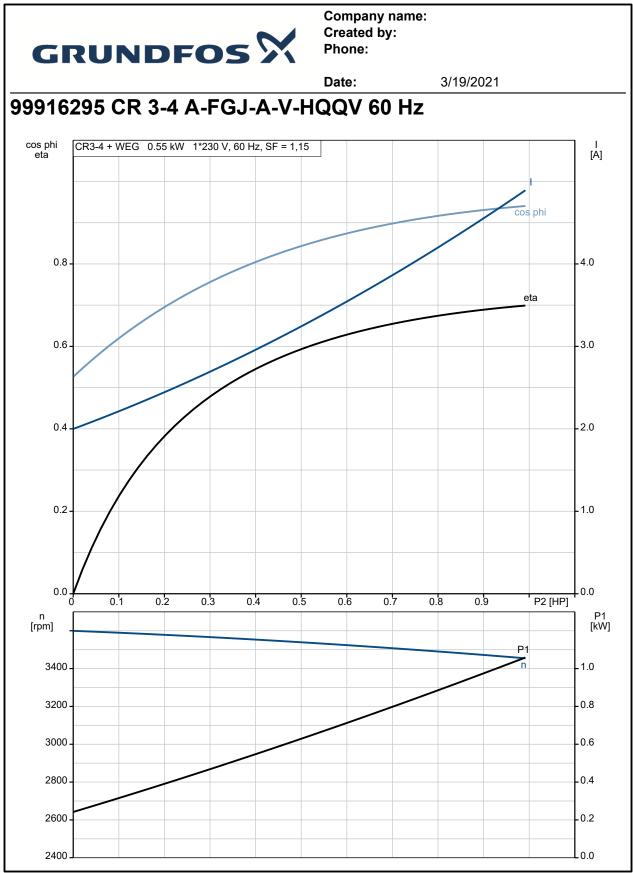


		Date:	3/19/2021	
Description	Value	H [ft]	CR 3-4, 1*230 V, 60Hz	eta [%
General information:	T GIUV		Pumped liquid = Water	1.7
Product name:	CR 3-4	130 -	Liquid temperature during operation = 68 °F Density = 62.29 lb/ft ³	
roduct name.	A-FGJ-A-V-HQQV	120 -		
Product No.:	99916295	120 -		
EAN:	5715114110433	100 -		100
Technical:		90 -		90
Rated pump speed:	3464 rpm	80 -		90 80
Rated flow:	15.4 US gpm	70 -		70
Rated head:	90.56 ft	60 -		60
Maximum head:	124.3 ft	50 -		50
Stages:	4	40 -		40
Impellers:	4	30 -		40 30
Number of reduced-diameter	0	20 -		30 20
mpellers:	v	10		20 10
Low NPSH:	Ν			
Pump orientation:	Vertical		5 10 15 Q [US gpm]	J
Shaft seal arrangement:	Single	P [HP]		NP: [f
Code for shaft seal:	HQQV	[, ,,]	P1	U
Approvals on nameplate:	CURUS	1.0		40
Curve tolerance:	ISO9906:2012 3B			
Pump version:	Α	-	P2	
Model:	Α	0.5		20
Cooling:	IC 411	-		
Materials:		_		
Base:	Cast iron			0
Base:	EN 1561 EN-GJL-200	_	_	
Base:	ASTM A48-25B	5.	8/ 7.84	
Impeller:	Stainless steel		+	
Impeller:	EN 1.4301	0 1130		
Impeller:	AISI 304	- 1 <u>4</u>		
Material code:	A	6.45 G 1/2	G 1/2	
Code for rubber:	V			
Bearing:	SIC	R 1 X G 1/2		
Bearing:	SIC			
Installation:		58		
Maximum ambient temperature:	104 °F	_	3.94 5.55 9.84 9.84 4 × 0.50	
Maximum operating pressure:	362.59 psi	L	8.27	
Max pressure at stated temperature:				
max pressure at stated temperature.	363 psi / 194 °F			_
Max pressure at stated temperature:	363 psi / -4 °F			
Type of connection:	DIN / ANSI / JIS			Ĭ
Size of inlet connection:	DN 25/32	T1-BLUE	T2-WHITE T3-ORANGE T8-RED 1178 278	375
Size of outlet connection:	DN 25/32	T4-YELLOW	T5-BLACK 7P2-BROWN WINDING PROTECT	TION
Pressure rating for connection:	PN 25			
Flange rating inlet:	250 lb			
Flange size for motor:	56C			
Connect code:	FGJ			
Liquid:	-			

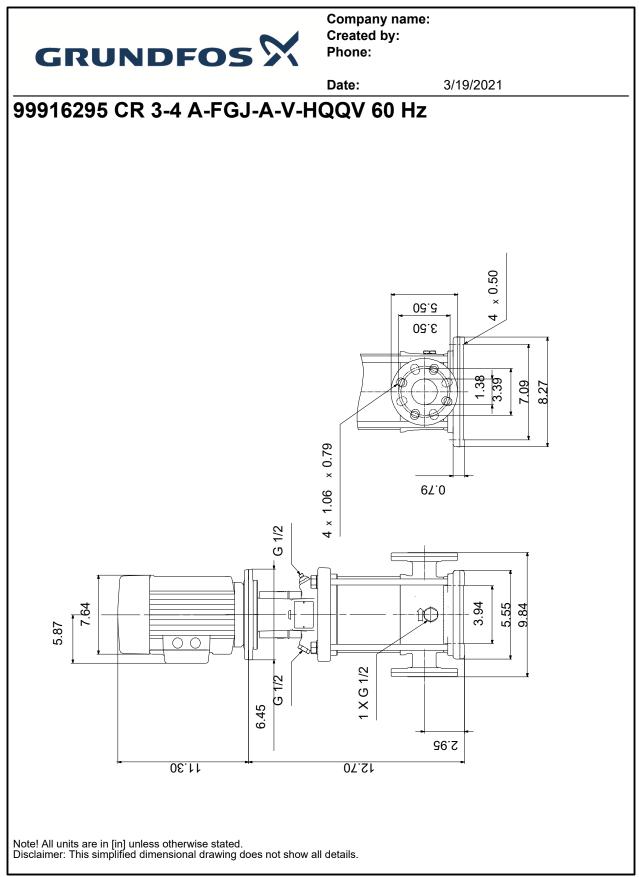
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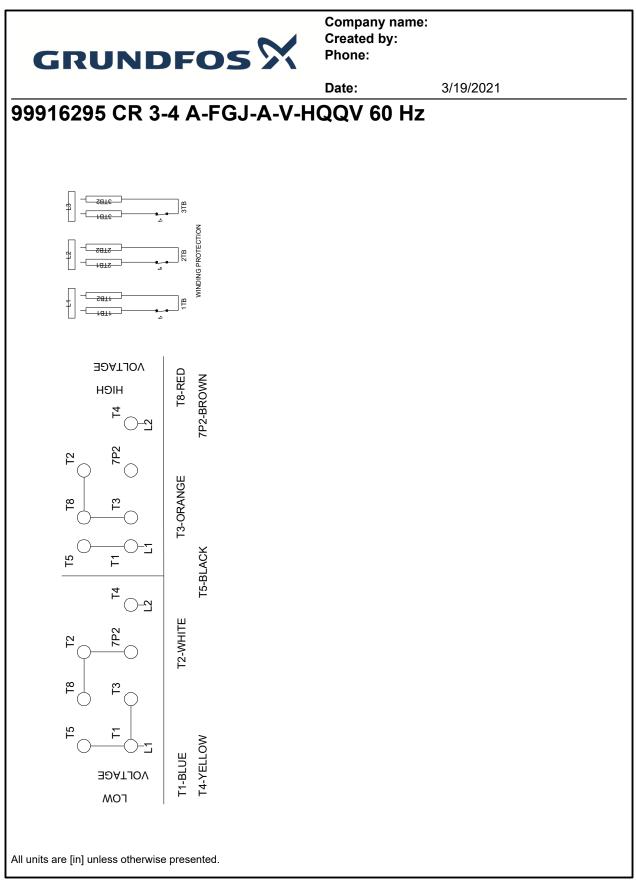


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Starting current:	800-800 %		
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