

Submittal Data

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

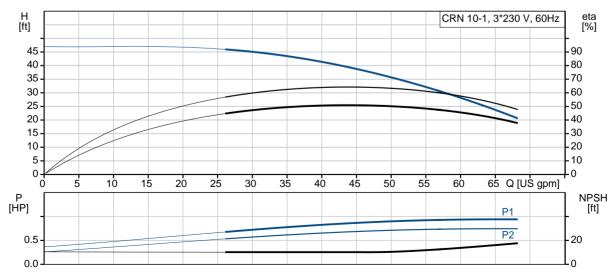


CRN 10-1 A-FGJ-A-E-HQQE

Vertical, multistage centrifugal pump with suction and discharge ports on same the level. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401) (AISI 316)

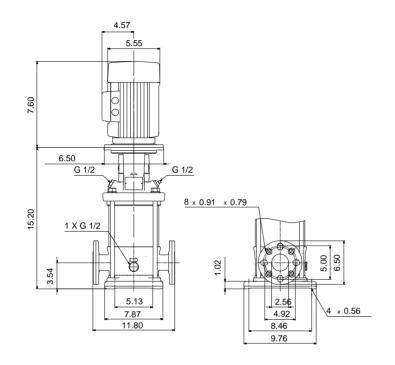
Product photo could vary from the actual product

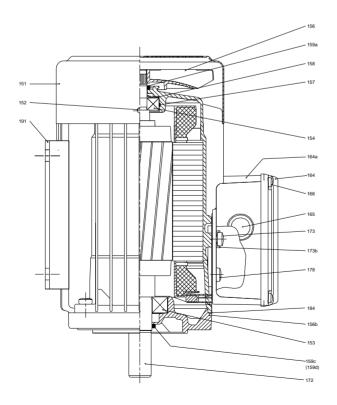
Condition	s of Service	Pu	Imp Data		Moto	or Data
Flow:		Max pressure at stated ter	mperature:	363 psi / 250 °F	Rated power - P2:	0.75 HP
Head:		Liquid temperature range:		-4 248 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temper	ature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:		CURUS	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:		HQQE	Insulation class:	F
NPSH required:	ft	Product number:		96523117	Motor protection:	NONE
Viscosity:					Motor type:	71BA
Specific Gravity:	1.000	-			Motor_efficiency:	80.6-81.6 %



Submittal Data



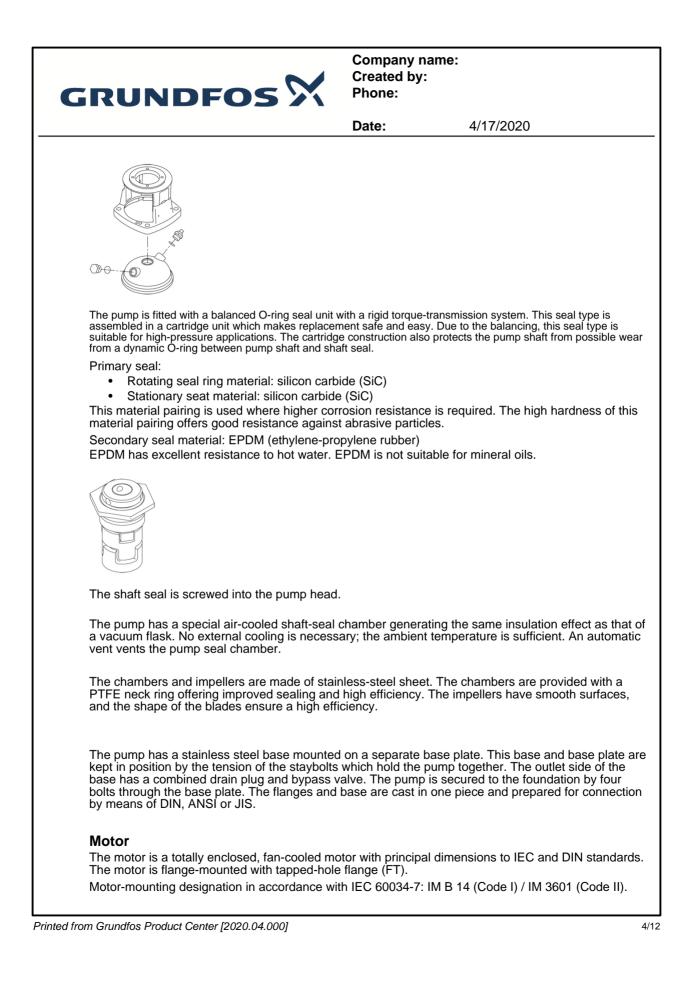




Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	AISI 316
	EN 1.4401
Material code:	A
Code for rubber:	E



		Date:	4/17/2020
Count	Description		
1	CRN 10-1 A-FGJ-A-E-HQQE		
	Product No.: 96523117		
	Vertical, multistage centrifugal pump with in materials in contact with the liquid are in hig reliability, safe handling, and easy access a Pipe connection is via combined DIN-ANSI-	h-grade stainless steel. nd service. Power transr	A cartridge shaft seal ensures high
	The pump is fitted with a 3-phase, fan-coole	ed asynchronous motor.	
	 Further product details Steel, cast iron and aluminium components electro-deposition (CED) process. CED is a around the products ensures deposition of p surface. An integral part of the process is a elements: 1) Alkaline-based cleaning. 2) Zinc phosphating. 3) Cathodic electro-deposition. 4) Curing to a dry film thickness 18-22 my n 	high-quality dip-painting paint particles as a thin, v pretreatment. The entire	process where an electrical field well-controlled layer on the
	The colour code for the finished product is N	NCS 9000/RAL 9005.	
	Pump A standard split coupling connects the pump stool by means of two coupling guards.	o and motor shaft. It is er	nclosed in the pump head/motor
	The pump head and flange for motor mount is a separate component (stainless steel). T screw.	ing is made in one piece he pump head has a coi	e (cast iron). The pump head cover mbined 1/2" priming plug and vent

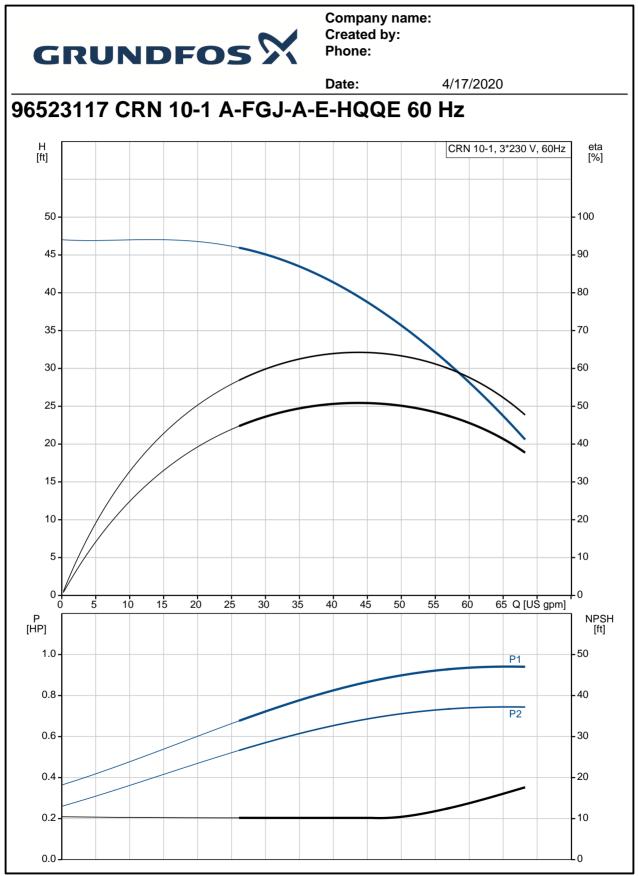


C	RUNDFO	- 🗙	Company na Created by: Phone:	ame:
			Date:	4/17/2020
Count	Description			
	Electrical tolerances comply with The motor efficiency is classified The motor does not incorporate breaker which can be manually the rated current of the motor (11	l as premium e motor protectio reset. The mot	on and must be	ordance with EISA2007. connected to a motor-protective circuit cuit breaker must be set according to
	Technical data			
	l invitate			
	Liquid: Pumped liquid:	Water		
	Liquid temperature range:	-4 248 °F		
	Selected liquid temperature:	-4240 г 68°F		
	Density:	62.29 lb/ft ³		
	Technical:			
	Rated pump speed:	3439 rpm		
	Rated flow:	53.3 US gpm		
	Rated head:	32.81 ft		
	Actual impeller diameter:	3.66 in		
	Pump orientation:	Vertical		
	Shaft seal arrangement:	Single		
	Code for shaft seal:	HQQE		
	Approvals on nameplate:	CURUS		
	Curve tolerance:	ISO9906:201	2 3B	
	Materials:			
	Base:	Stainless stee	el	
		EN 1.4408		
		AISI 316		
	Impeller:	Stainless stee	el	
		EN 1.4401		
		AISI 316		
	Bearing:	SIC		
	Installation:			
	Maximum ambient temperature:	104 °F		
	Maximum operating pressure:	362.59 psi		
	Max pressure at stated tempera		250 °E	
		363 psi /		
	Type of connection:	DIN / ANSI / 、		
	Size of inlet connection:	DN 50		
	Size of outlet connection:	DN 50		
	Pressure rating for connection:	PN 25		
	Flange rating inlet:	300 lb		
	Flange size for motor:	56C		
	Electrical data:			
	Motor standard:	NEMA		
	Motor type:	71BA		
	IE Efficiency class:		um / IE3 60Hz	

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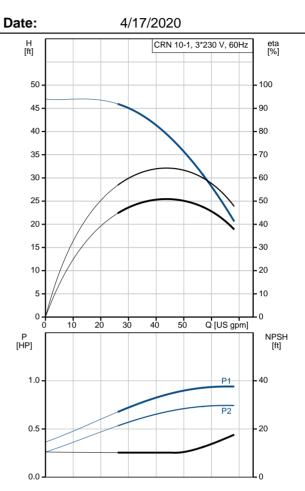
		Date:	4/17/2020
Count	Description		
	Rated power - P2:	0.75 HP	
	Power (P2) required by pump:	0.75 HP	
	Main frequency:	60 Hz	
	Rated voltage:	3 x 208-230YY/460Y V	
	Service factor:	1.25	
	Rated current:	2,40-2,30/1,20 A	
	Starting current:	590-650 %	
	Cos phi - power factor:	0.84-0.78	
	Rated speed:	3430-3460 rpm	
	Motor efficiency at full load:	80.6-81.6 %	
	Motor efficiency at 3/4 load:	78.6 %	
	Motor efficiency at 1/2 load:	75.7 %	
	Number of poles:	2	
	Enclosure class (IEC 34-5):	55 Dust/Jetting	
	Insulation class (IEC 85):	F	
	Motor Number:	85900702	
	Controls:		
	Frequency converter:	NONE	
	Others:		
	DOE Pump Energy Index CL:	0.87	
	Net weight:	81.6 lb	
	Gross weight:	97 lb	
	Shipping volume:	4.94 ft ³	
	Country of origin:	US	
	Custom tariff no.:	8413.70.2040	



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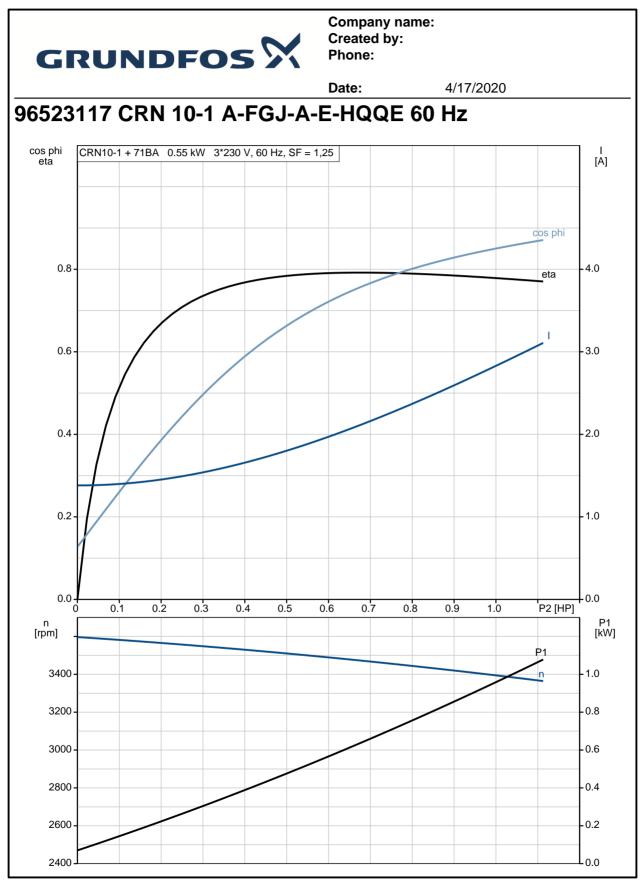
Description	Value
Description	Value
General information:	
Product name:	CRN 10-1 A-FGJ-A-E-HQQE
Product No.:	96523117
EAN:	5700396898926
	5700396898926
Technical:	
Rated pump speed:	3439 rpm
Rated flow:	53.3 US gpm
Rated head:	32.81 ft
Maximum head:	46.92 ft
Actual impeller diameter:	3.66 in
Stages:	2
Impellers:	1
Number of reduced-diameter impellers:	0
Low NPSH:	Ν
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CURUS
Curve tolerance:	ISO9906:2012 3B
Pump version:	Α
Model:	Α
Cooling:	TEFC
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4401
	AISI 316
Material code:	Α
Code for rubber:	E
Bearing:	SIC
Installation:	
Maximum ambient temperature:	104 °F
Maximum operating pressure:	362.59 psi
Max pressure at stated temperature:	363 psi / 250 °F
	363 psi / -4 °F
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 50
Size of outlet connection:	DN 50
Pressure rating for connection:	PN 25
Flange rating inlet:	300 lb
Flange size for motor:	56C
Connect code:	FGJ
Liquid:	



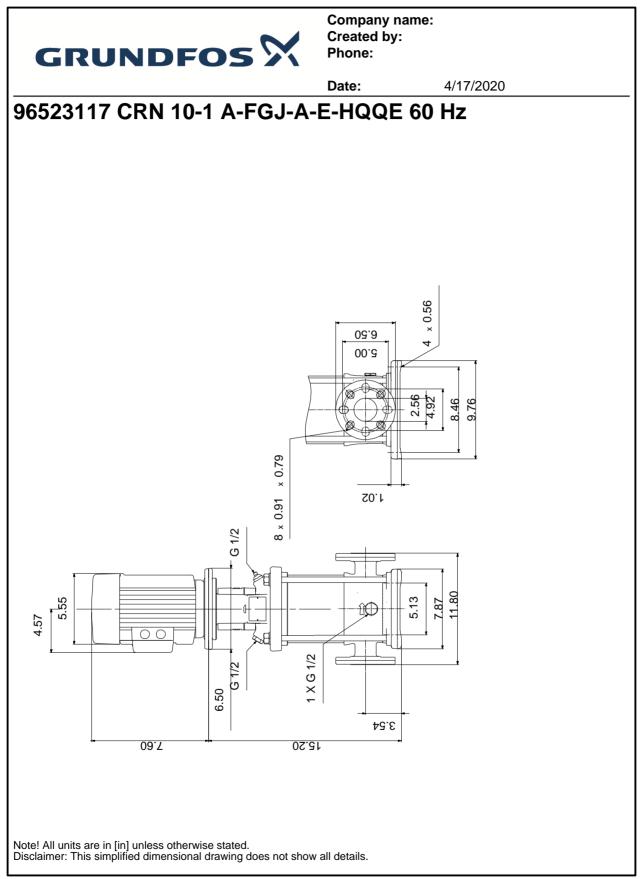
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		Date:	4/17/2
Description	Value		
Pumped liquid:	Water	-	
Liquid temperature range:	-4 248 °F		
Selected liquid temperature:	68 °F		
Density:	62.29 lb/ft ³		
Electrical data:			
Motor standard:	NEMA		
Motor type:	71BA		
IE Efficiency class:	NEMA Premium / IE3 60Hz		
Rated power - P2:	0.75 HP		
Power (P2) required by pump:	0.75 HP		
Main frequency:	60 Hz		
Rated voltage:	3 x 208-230YY/460Y V		
Service factor:	1.25		
Rated current:	2,40-2,30/1,20 A		
Starting current:	590-650 %		
Load current:	2,9-2,75/1,4 A		
Cos phi - power factor:	0.84-0.78		
Rated speed:	3430-3460 rpm		
Motor efficiency at full load:	80.6-81.6 %		
Motor efficiency at 3/4 load:	78.6 %		
Motor efficiency at 1/2 load:	75.7 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protection:	NONE		
Motor Number:	85900702		
Controls:			
Frequency converter:	NONE		
Others:			
DOE Pump Energy Index CL:	0.87		
Net weight:	81.6 lb		
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