

Submittal Data

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

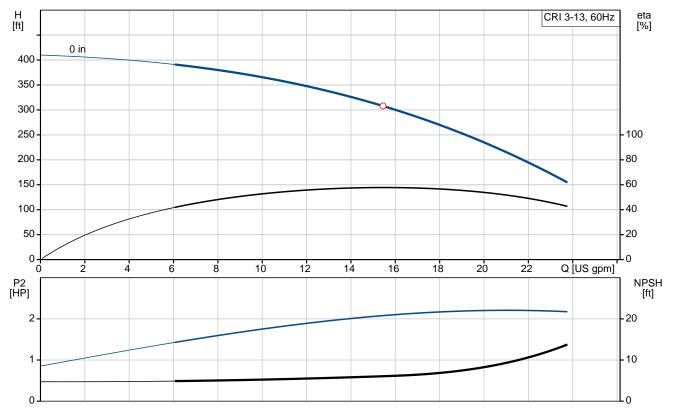


CRI 3-13

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

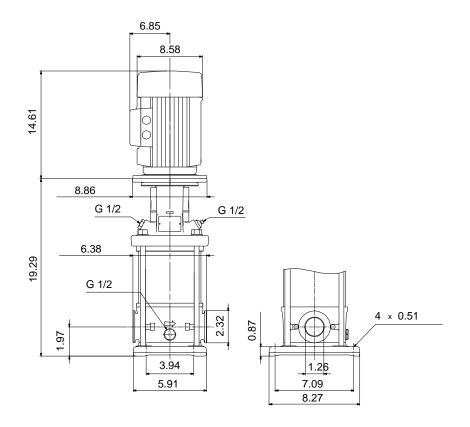
Product photo could vary from the actual product

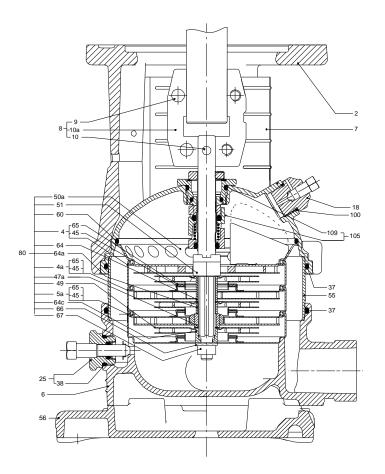
Conditions of Service		Pump Data	Motor Data		
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	Water 68 °F ft 1.000	Max pressure at stated temperature: Maximum ambient temperature: Approvals: Shaft seal: Product number:	363 psi / 250 °F 104 °F CURUS,NSF61 HQQE 96083401	Rated power - P2: Rated voltage: Main frequency: Insulation class: Motor protection: Motor type:	3 HP 115/208-230 V 60 Hz F NONE BALDOR



Submittal Data







M	ate	rıa	IS:

Base:

Impeller:

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AISI 304 EN 1.4301

EN 1.4408

AISI 316

Stainless steel

Stainless steel

Material code: I Code for rubber: E



Tender Text



Product No.: 96083401 CRI 3-13 A-CA-I-E-HQQE Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: - Impellers, intermediate chambers and outer sleeve are made of - Pump head cover and base are made of The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. flanges/couplings. The motor is a 1-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature during operation: 68 °F Density: 62.29 lb/ft3 Technical: Speed for pump data: 3457 rpm Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4301 AISI 304 Bearing material: SIC Installation: Maximum ambient temperature: 104 °F Max pressure at stated temperature: 363 psi / 250 °F 363 psi / -4 °F

FlexiClamp

Type of connection:



DN 32

8.26 ft³

Company name: Created by: Phone:

Date:

2/20/2018

Size of suction port: Size of outlet connection: Size of outlet port: Pressure rating: Flange size for motor:	1 1/4 inch DN 32 1 1/4 inch PN 25 182TC
Electrical data:	
Motor standard:	NEMA
Motor type:	BALDOR
IE Efficiency class:	NA
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:	29/16-14,5 A
Rated speed:	3450 rpm
Number of poles:	2
Insulation class (IEC 85):	F
Others:	
Net weight:	110 lb
Gross weight:	124 lb
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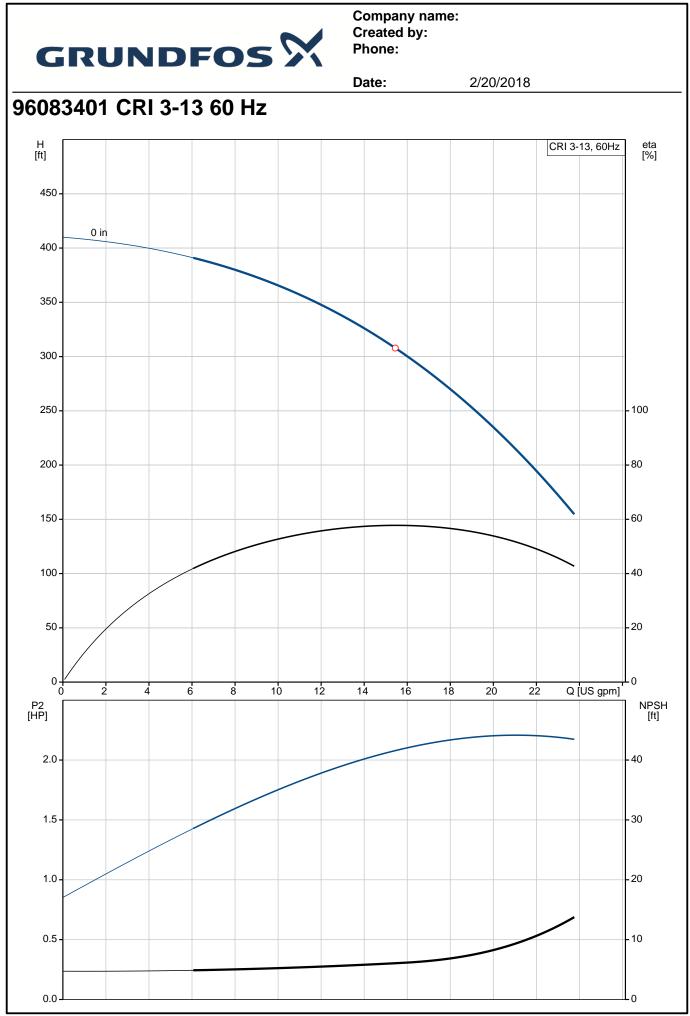
Size of inlet connection:

Shipping volume:

G	RU	INDFOS	Company nam Created by: Phone:	ne:	
			Date:	2/20/2018	
Position	Count	Description			
	1	CRI 3-13 A-CA-I-E-HQQE			
		Product No.: 96083401 Vertical, non-self-priming, multis centrifugal pump for installation and mounting on a foundation.			
		The pump has the following cha - Impellers, intermediate ch sleeve are made of - Pump head cover and ba - The shaft seal has assem according to EN 12756. - Power transmission is via coupling. flanges/couplings.	nambers and outer ise are made of nbly length		
		The motor is a 1-phase AC motor	Dr.		
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature during opera Density:	Water tion: 68 °F 62.29 lb/ft ³		
		Technical: Speed for pump data: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3457 rpm Vertical Single HQQE CURUS,NSF61 ISO9906:2012 3B		
		Materials: Base:	Stainless steel EN 1.4408		
		Impeller:	AISI 316 Stainless steel EN 1.4301 AISI 304		
		Bearing material:	SIC		
		Installation: Maximum ambient temperature: Max pressure at stated tempera			
		Type of connection: Size of inlet connection:	FlexiClamp DN 32		



			Date:	2/20/2018
Position	Count	Description		
		Size of suction port:	1 1/4 inch	
		Size of outlet connection:	DN 32	
		Size of outlet port:	1 1/4 inch	
		Pressure rating:	PN 25	
		Flange size for motor:	182TC	
		Electrical data: Motor standard:	NEMA	
		Motor type:	BALDOR	
		IE Efficiency class:	NA	
		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:	29/16-14,5 A	
		Rated speed:	3450 rpm	
		Number of poles: Insulation class (IEC 85):	2 F	
		Others:		
		Net weight:	110 lb	
		Gross weight:	124 lb	
		Shipping volume:	8.26 ft ³	



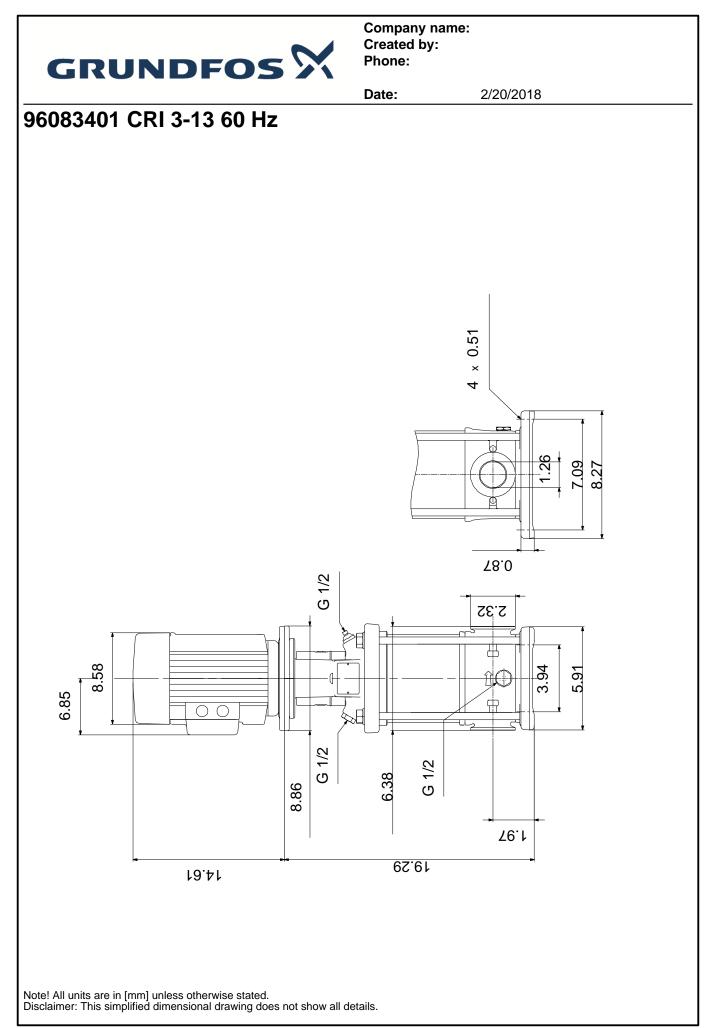


		Date:	:	2/20/2018		
Description	Value	H [ft]			CRI 3-13, 60Hz	eta [%]
General information:		450 -				
Product name:	CRI 3-13 A-CA-I-E-HQQE	-	0 in			
Product No.:	96083401	400 -	UIN			
EAN:	5700395185997	-				
		350 -				_
Technical:		_				
Speed for pump data:	3457 rpm	300 -		τ		_
Stages:	13	-				
Impellers:	13	250 -				100
Low NPSH:	Ν	-				
Pump orientation:	Vertical	200 -				- 80
Shaft seal arrangement:	Single	150				
Code for shaft seal:	HQQE	150 -				- 60
Approvals on nameplate:	CURUS,NSF61	100				40
Curve tolerance:	ISO9906:2012 3B	100 -				- 40
Pump version:	A	50 -				20
Model:	A	50-				20
Cooling:	TEFC	- ₀ /				\bot_0
Cooling.	1210	0	5	10 15	20 Q [US gpm]	
Materials:		P2 [HP]				NPSH [ft]
Base:	Stainless steel	2.0 -				40
	EN 1.4408	2.0-				
	AISI 316	1.5 -				- 30
Impeller:	Stainless steel	- 1.5				– ³⁰
impener.	EN 1.4301	1.0 -				- 20
	AISI 304	- 1.0				20
Material code:	AISI 304	0.5 -				10
Code for rubber:	E	0.5				
		0.0				
Bearing material:	SIC					-0
Installation:			6.85			
Maximum ambient temperature:	104 °F		8.58	- 1		
Max pressure at stated temperature:	363 psi / 250 °F			-		
max pressure at stated temperature.	363 psi / -4 °F			-		
Type of connection:	FlexiClamp	14.61	Lõ			
Connect code:	CA	-				
Size of inlet connection:	DN 32		8.86 G 1/2	<u> </u>		
Size of suction port:	1 1/4 inch	-	<u> </u>	G 1/2		
Size of outlet connection:	DN 32	19.29	6.38	₩ _		
Size of outlet connection: Size of outlet port:	1 1/4 inch	- 19	G 1/2			
	PN 25	-		687 232	4 × 0.51	
Pressure rating:	182TC	-				
Flange size for motor:	10210	_	3.94		<u>26</u>)9	
Liquid:			B 0.01	8.2		
Pumped liquid:	Water					
Liquid temperature during operation:	68 °F	LN	ı ÷			
Density:	62.29 lb/ft ³	- Ц П	ļ			
Density.	02.23 W/11-	- Ш	1			
Electrical data:		-	i			
Motor standard:	NEMA	-	I			
Motor type:	BALDOR	-	ļ			
IE Efficiency class:	NA	-				
Rated power - P2:	3 HP	-	i			
Power (P2) required by pump:	3 HP	-	ļ			
	3 HP 60 Hz	-	1			
Main frequency:		- []	1			
Rated voltage:	1 x 115/208-230 V	- \ /	/			
Service factor:	1,15		1			
Rated current:	29/16-14,5 A	_ (M) 1~)			
Load current:	31,8/18-16,9 A	\sim	,			

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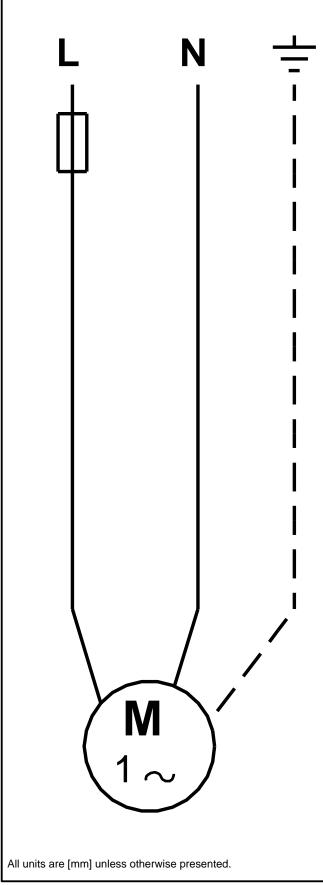
		-		
		Date:	2/20/2018	
Description	Value			
Rated speed:	3450 rpm			
Number of poles:	2			
Insulation class (IEC 85):	F			
Motor protection:	NONE			
Motor Number:	84Z04014			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	110 lb			
Gross weight:	124 lb			
Shipping volume:	8.26 ft ³			





2/20/2018

96083401 CRI 3-13 60 Hz





2/20/2018

Order Data:

Product name: CRI 3-13 A-CA-I-E-HQQE Amount: 1 Product No.: 96083401

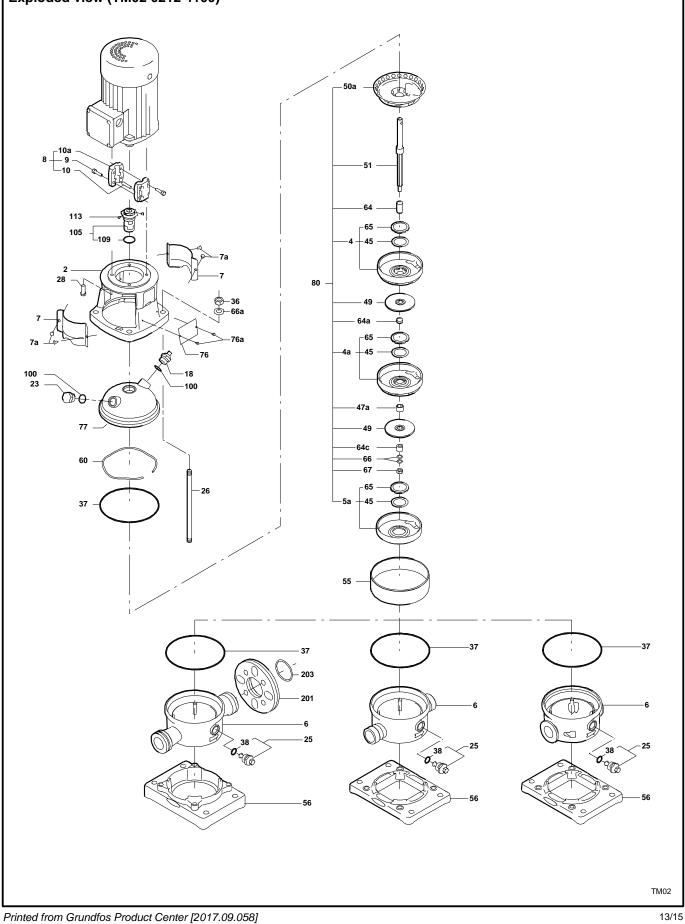
Total: Price on request

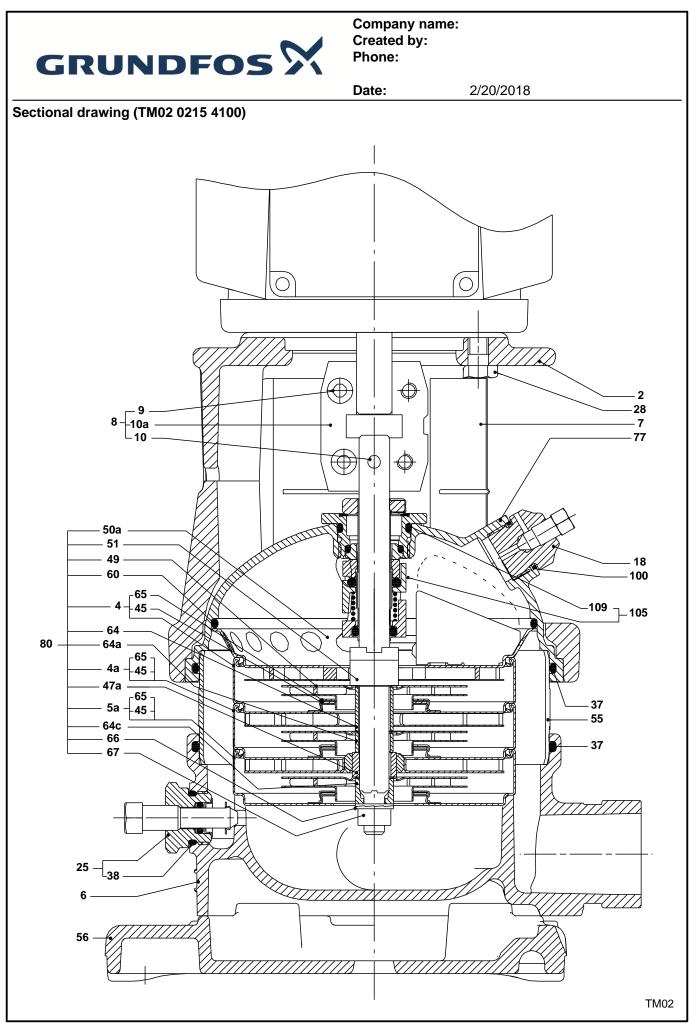


2/20/2018

Date:

Exploded view (TM02 0212 4100)





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2/20/2018

Parts list CRI 3-13, Prod number 96083401 Valid from 1.1.2004 (0401)

	Position	Description	Annotation	Classification data	Part No.		
		Motor				1	pcs
+		Base cpl.				1	pcs
-		Sealing parts				1	pcs
-	25	Drain plug w/bypass valve				1	
	38	O-ring		Diameter: 16,3			
		~		Material type: EPDM			
				Thickness: 2,4			
	37	O-ring				2	
	100	O-ring		Diameter: 16,3		2	
	100	O-mily		Material type: EPDM		2	
	2	Dump bood onl		Thickness: 2,4		1	n
-	2	Pump head cpl.				1	pcs
	2	Motor stool				1	
	7	Coupling guard				2	
	7a	Thread cutting screw				4	
-	18	Air vent screw				1	
		Plug					
		Spindle					
-	25	Drain plug				1	
	23	Pipe plug					
	25	Drain plug					
	28	Hex head cap screw		Length: 25		4	
				Thread: UNC 1/2"		-	
	60	Formed wire spring				1	
						1	
	77	Pump cover					
+		Coupling cpl.		1 (1 000		1	pcs
	26	Staybolt		Length: 328		4	pcs
				Thread: M12			
	36a	Washer		Designation: DIN 125 A		4	pcs
				Inner diameter: 13			
				Outer diameter: 24			
				Thickness: 2,5			
	55	Outer sleeve				1	pcs
	66a	Nut		Thread: M12		4	pcs
+	80	Chamber stack				1	pcs
-	105	Shaft seal		Material type: HQQE		1	pcs
	100	O-ring		Matchar type. Hook		1	pus
		0				1	
		O-ring					
		Seal driver, upper				1	
		Seal driver, lower				1	
		Spacer ring				1	
		Pipe				1	
		Plug				1	
		Plug				1	
		Compression spring				1	
		Socket set screw				1	
	102	O-ring		Diameter: 22,00		1	
		- 5		Material type: EPDM		•	
				Thickness: 2,75			
	103	Seal ring stationary		1110(11000. 2,10		1	
		Seal ring, stationary					
	105	Seal ring, rotating				1	
	107	O-ring				1	
	113	Driver				1	