

Submittal Data

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

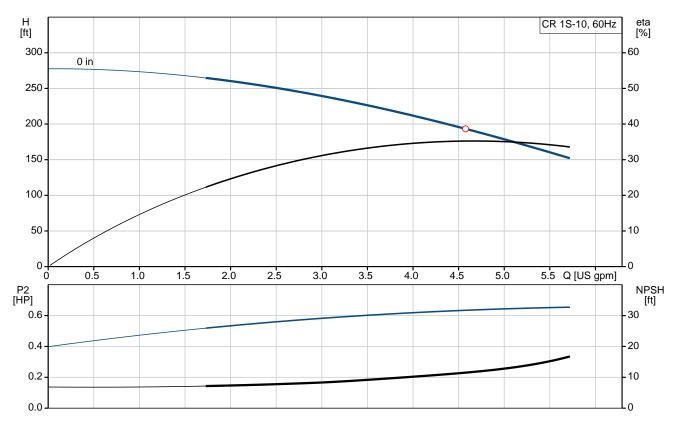


CR 1S-10

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)

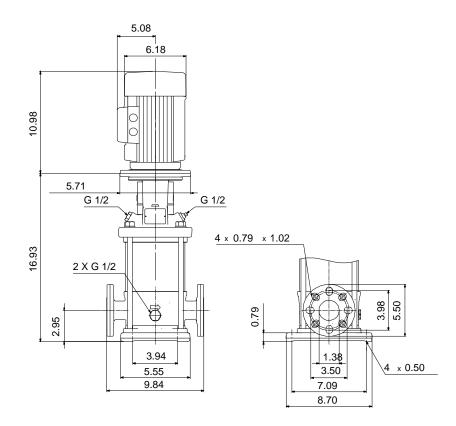
Product photo could vary from the actual product

Conditions of Service		Pump Data	Motor Data		
Flow:		Max pressure at stated temperature:	363 psi / 194 °F	Rated power - P2:	0.75 HP
Head:		Maximum ambient temperature:	104 °F	Rated voltage:	115/208-230 V
Efficiency:		Approvals:	CURUS	Main frequency:	60 Hz
Liquid:	Water	Shaft seal:	HQQV	Enclosure class:	54 Dust/Splashing
Temperature:	68 °F	Product number:	96081131	Insulation class:	В
NPSH required:	ft			Motor protection:	NONE
Viscosity:				Motor type:	BALDOR
Specific Gravity:	1.000				



Submittal Data





Materials:

Impeller:

Material code:

Code for rubber: V

Base:

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

2/16



Tender Text



Product No.: 96081131 CR 1S-10 A-FGJ-A-V-HQQV 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 and intermediate chambers are made of The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. 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: 3464 rpm Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CURUS Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing material: SIC Installation: Maximum ambient temperature: 104 °F Max pressure at stated temperature: 363 psi / 194 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of suction port: 1 1/4 inch Size of outlet connection: DN 25/32

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2/20/2018



Date:

2/20/2018

Size of outlet port: Pressure rating: Flange size for motor: Flange rating inlet:	1 1/4 inch PN 25 56C 250 lb
Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor: Rated voltage: Service factor: Rated current: Rated speed: Number of poles: Enclosure class (IEC 34-5): Insulation class (IEC 85):	60 Hz 1 x 115/208-230 V 1.25 9,60/5,00-4,80 A 3450 rpm 2
Others: Net weight: Gross weight:	71.9 lb 82.9 lb

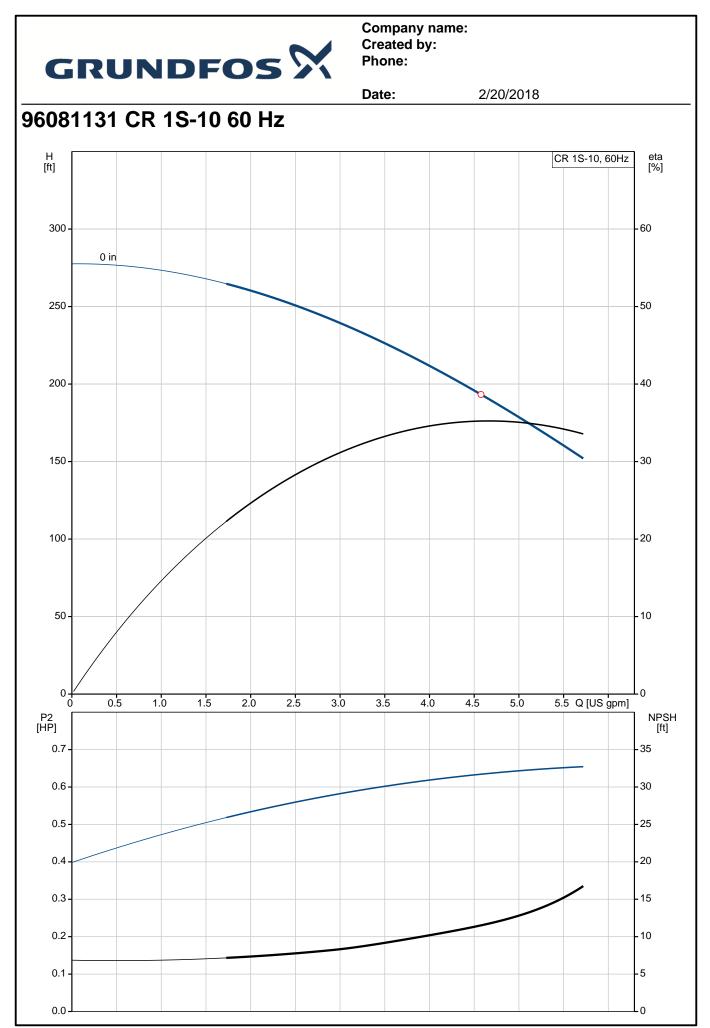
6.11 ft³

Shipping volume:

G	RU		Company nam Created by: Phone:	ie:	
			Date:	2/20/2018	
Position	Count	Description			
	1	CR 1S-10 A-FGJ-A-V-HQQV			
		Product No.: 96081131 Vertical, non-self-priming, multist centrifugal pump for installation i and mounting on a foundation.			
		The pump has the following char - Impellers and intermediat - The shaft seal has assem according to EN 12756. - Power transmission is via coupling.	e chambers are made of bly length		
		The motor is a 1-phase AC moto	r.		
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature during operat Density:	Water tion: 68 °F 62.29 lb/ft³		
		Technical: Speed for pump data: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3464 rpm Vertical Single HQQV CURUS ISO9906:2012 3B		
		Materials: Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B		
		Impeller:	Stainless steel EN 1.4301		
		Bearing material:	AISI 304 SIC		
		Installation: Maximum ambient temperature: Max pressure at stated temperat			
		Type of connection: Size of inlet connection: Size of suction port: Size of outlet connection: Size of outlet port:	DIN / ANSI / JIS DN 25/32 1 1/4 inch DN 25/32 1 1/4 inch		



			Date:	2/20/2018
Position	Count	Description		
		Pressure rating:	PN 25	
		Flange size for motor:	56C	
		Flange rating inlet:	250 lb	
		Electrical data:		
		Motor standard: Motor type:	NEMA BALDOR	
		IE Efficiency class:	NA	
		Rated power - P2:	0.75 HP	
		Power (P2) required by pump: Main frequency:	0.75 HP 60 Hz	
		Rated voltage:	1 x 115/208-230 V	
		Service factor:	1.25	
		Rated current:	9,60/5,00-4,80 A	
		Rated speed: Number of poles:	3450 rpm 2	
		Enclosure class (IEC 34-5):	54 Dust/Splashing	
		Insulation class (IEC 85):	В	
		Others:		
		Net weight:	71.9 lb	
		Gross weight: Shipping volume:	82.9 lb 6.11 ft³	
	-			

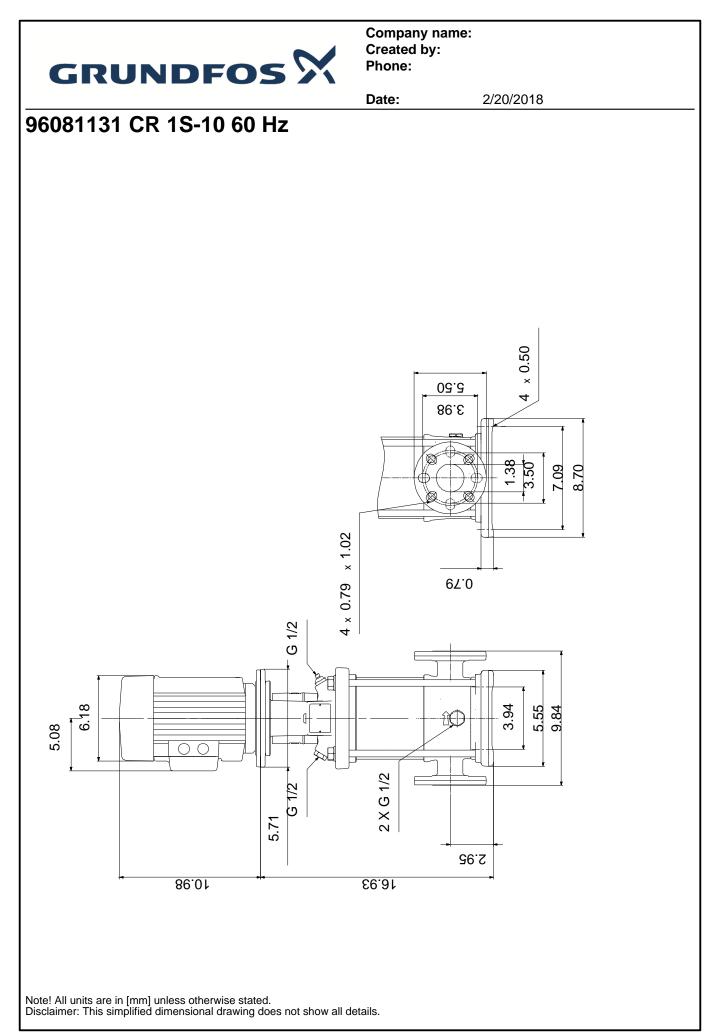




		Date:	2/20/2018
Description	Value	H [ft]	CR 1S-10, 60Hz eta
General information:		69	
Product name:	CR 1S-10 A-FGJ-A-V-HQQV	300 -	
Product No.:	96081131		0 in
EAN:	5700395155952		
	5700595153932	250 -	50
Technical:			
Speed for pump data:	3464 rpm	200 -	40
Stages:	10	200-	
Impellers:	10		
Low NPSH:	N	150 -	30
Pump orientation:	Vertical		
Shaft seal arrangement:	Single		
Code for shaft seal:	HQQV	100 -	- 20
Approvals on nameplate:	CURUS		
Curve tolerance:	ISO9906:2012 3B		
Pump version:	A	50 -	10
Model:	A		
	TEFC	0 -	
Cooling:		(0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 Q[USgpm]
Materials:		P2 [HP]	NPSH [ft]
Base:	Cast iron	[1.11]	
	EN 1561 EN-GJL-200	0.6 -	30
		0.5 -	25
	ASTM A48-25B		
Impeller:	Stainless steel	0.4 -	20
	EN 1.4301	0.3 -	15
	AISI 304	0.2 -	10
Material code:	A	0.1 -	5
Code for rubber:	V		
Bearing material:	SIC	0.0-	
Installation:			5.08
Maximum ambient temperature:	104 °F		6.18
Max pressure at stated temperature:		ſ	
max pressure at stated temperature.	505 par/ 194 1	96.0	
	363 psi / -4 °F	-	
Type of connection:	DIN / ANSI / JIS	•	
Connect code:	FGJ		<u>G 1/2</u> <u>G 1/2</u>
Size of inlet connection:	DN 25/32		
Size of suction port:	1 1/4 inch	16.93	2 X G 1/2
Size of outlet connection:	DN 25/32		
Size of outlet port:	1 1/4 inch		
Pressure rating:	PN 25	é.	3.94
-			5.55 9.84 7.09
Flange size for motor:	56C		8.70
Flange rating inlet:	250 lb		
Liquid:		L	N ÷
Pumped liquid:	Water	Ļ	Ï I
Liquid temperature during operation:		Ш	
	~~ ·	T	
Density:	62.29 lb/ft ³		
Electrical data:			
Motor standard:	NEMA		
Motor type:	BALDOR		l i
IE Efficiency class:	NA		
Rated power - P2:	0.75 HP		
Power (P2) required by pump:	0.75 HP	\	
Main frequency:	60 Hz		大/
		(M	
Rated voltage:	1 x 115/208-230 V	<u> </u>	~/



		Date:	2/20/2018
Description	Value		
Service factor:	1.25		
Rated current:	9,60/5,00-4,80 A		
Load current:	11.4/6.0-5.7 A		
Rated speed:	3450 rpm		
Number of poles:	2		
Enclosure class (IEC 34-5):	54 Dust/Splashing		
Insulation class (IEC 85):	В		
Motor protection:	NONE		
Motor Number:	84Z04001		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	71.9 lb		
Gross weight:	82.9 lb		
Shipping volume:	6.11 ft ³		

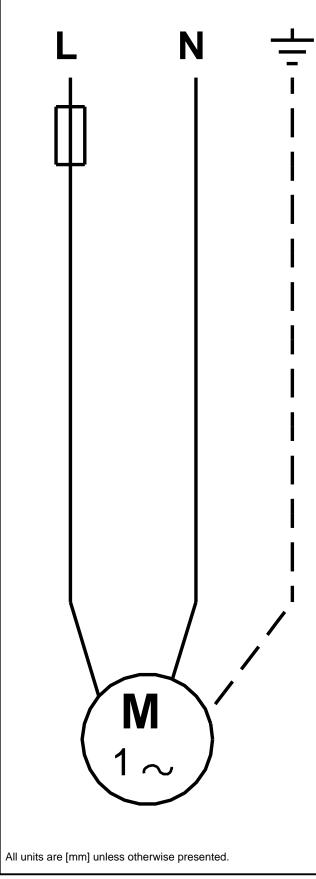




Date:

2/20/2018

96081131 CR 1S-10 60 Hz



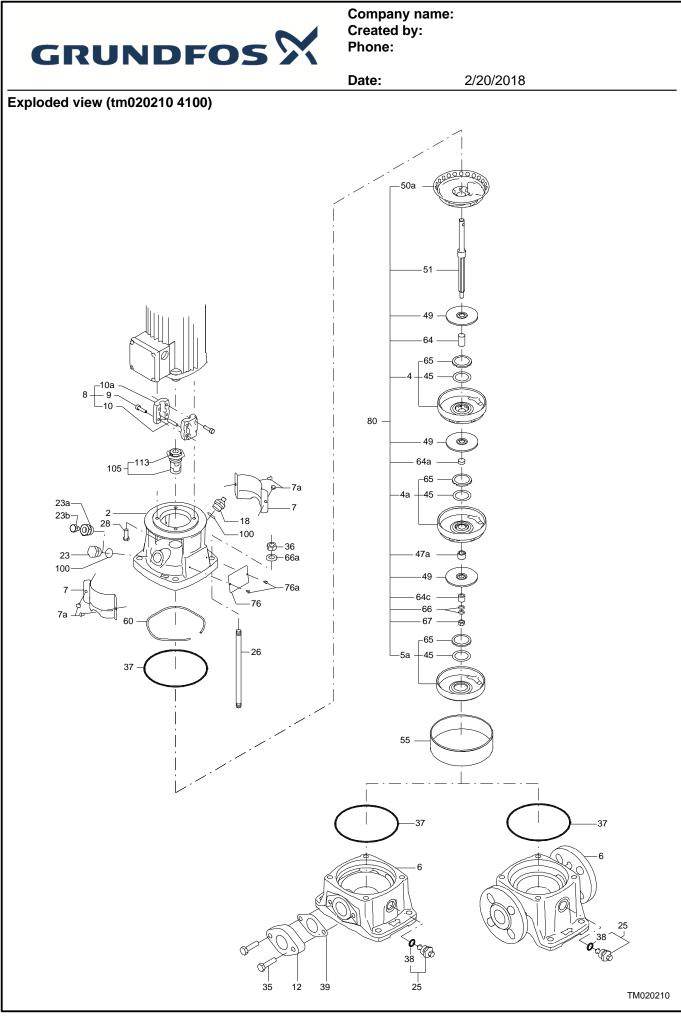


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Order Data:

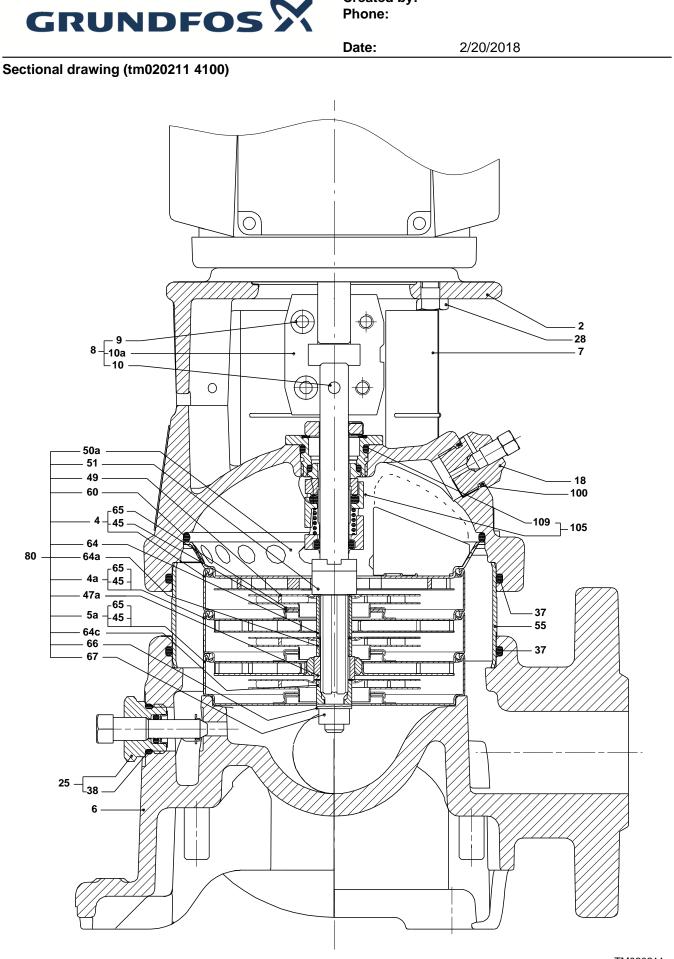
Product name: CR 1S-10 A-FGJ-A-V-HQQV Amount: 1 Product No.: 96081131

Total: Price on request





Company name: Created by:



TM020211



2/20/2018

Parts list CR 1S-10, Prod number 96081131 Valid from 1.1.2004 (0401)

	Position		Annotation	Classification data	Part No.		ount	
		Motor				1		pcs
-		Base cpl.				1		pcs
	6	Base					1	
-		Sealing parts				1		pcs
-	25	Drain plug w/bypass valve					1	
	38	O-ring		Diameter: 16,3				
				Material type: FKM				
				Thickness: 2,4				
	37	O-ring		Diameter: 137,5			2	
				Material type: FKM				
				Thickness: 3,3				
	100	O-ring		Diameter: 16,3			2	
				Material type: FKM				
				Thickness: 2,4				
-	2	Pump head cpl.		,		1		pcs
	2	Pump head				-	1	1. 50
	7	Coupling guard					2	
	7 7a	Thread cutting screw					4	
_	7a 18	Air vent screw					4	
-	10						1	
		Plug Spindle						
	25						1	
-	25	Drain plug					1	
	23	Pipe plug						
	25	Drain plug						
	28	Hex head cap screw		Length: 25			4	
				Thread: UNC 3/8"				
	60	Formed wire spring					1	
+		Coupling cpl.				1		pcs
	26	Staybolt		Length: 205		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
-		Guide vane cpl.					1	•
		Plate						
	50a	Guide vane						
	50b	Top plate						
-	4	Chamber cpl.					7	
	•	Guide vane					•	
		Plate						
		Retainer						
		Intermediate chamber						
	45	Vane						
	45	Neck ring						
	65	Retainer					_	
-	4a	Chamber w. bearing cpl.					2	
		Guide vane						
		Retainer for bearing						
		Bearing bush						



			Date:	2/2	0/2018	8
Position	Description	Annotation	Classification data	Part No.	Count	Unit
	Retainer					
	Intermediate chamber					
	Vane					
45	Neck ring					
65	Retainer					
5a	Chamber cpl.				1	
	Retainer					
	Intermediate chamber					
	Vane					
45	Neck ring					
65	Retainer					
36	Lock nut		Thread: M8		1	
47a	Bearing ring, rotating				2	
49	Impeller cpl.				10	
49	Impeller					
51	Shaft, spline, cpl.				1	
64a	Spacing pipe				7	
64a	Spacing pipe		Inner diameter: 12,85	5	2	
			Outer diameter: 15,85			
			Length: 4,50			
64c	Clamp, splined		Inner diameter: 8,5		1	
			Outer diameter: 15			
66	Wedge lock washer				1	
105	Shaft seal		Material type: HQQV		1	pcs
	O-ring				1	
	O-ring				1	
	O-ring				1	
	Seal driver, upper				1	
	Seal driver, lower				1	
	Spacer ring				1	
	Pipe				1	
	Plug				1	
	Plug				1	
	Compression spring				1	
	Socket set screw				3	
103	Seal ring, stationary				1	
105	Seal ring, rotating				1	
109	O-ring				1	
113	Driver				1	