

Submittal Data

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

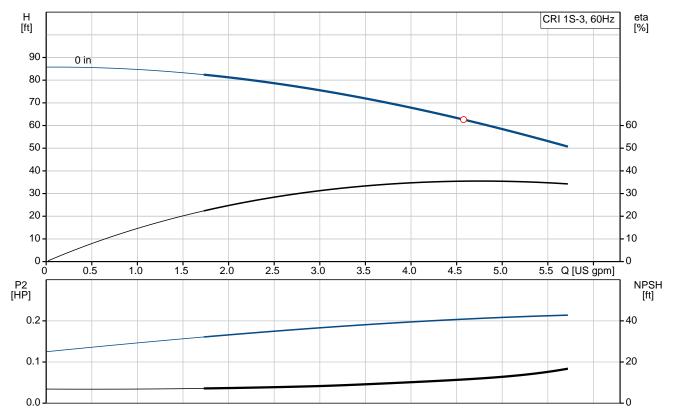


CRI 1S-3

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)

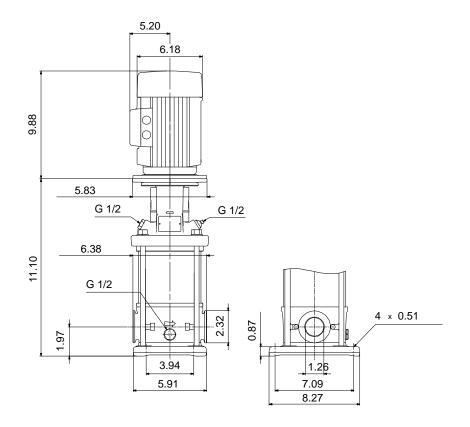
Product photo could vary from the actual product

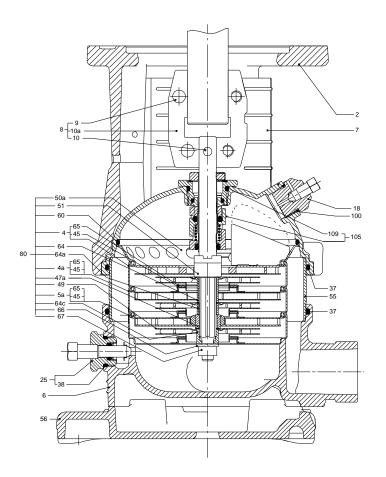
Conditions	of Service	Pump Data		Motor Da	ata
Flow: Head:		Max pressure at stated temperature: Maximum ambient temperature:	363 psi / 194 °F 104 °F	Rated power - P2: Rated voltage:	0.33 HP 115/230 V
Efficiency: Liquid:	Water	Approvals: Shaft seal:	CURUS HQQV	Main frequency: Insulation class:	60 Hz B
Temperature: NPSH required: Viscosity:	68 °F ft	Product number:	96081307	Motor type:	BALDOR
Specific Gravity:	1.000				



Submittal Data







M	ate	eria	al	s:

Base:

Impeller:

EN 1.4408 AISI 316 Stainless steel AISI 304 EN 1.4301

Stainless steel

Material code: I Code for rubber: V



Date:

2/20/2018

Tender Text



Product No.: 96081307 CRI 1S-3 A-CA-I-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, 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: 3436 rpm Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CURUS 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 / 194 °F 363 psi / -4 °F Type of connection: FlexiClamp



DN 32

Company name: Created by: Phone:

Date:

2/20/2018

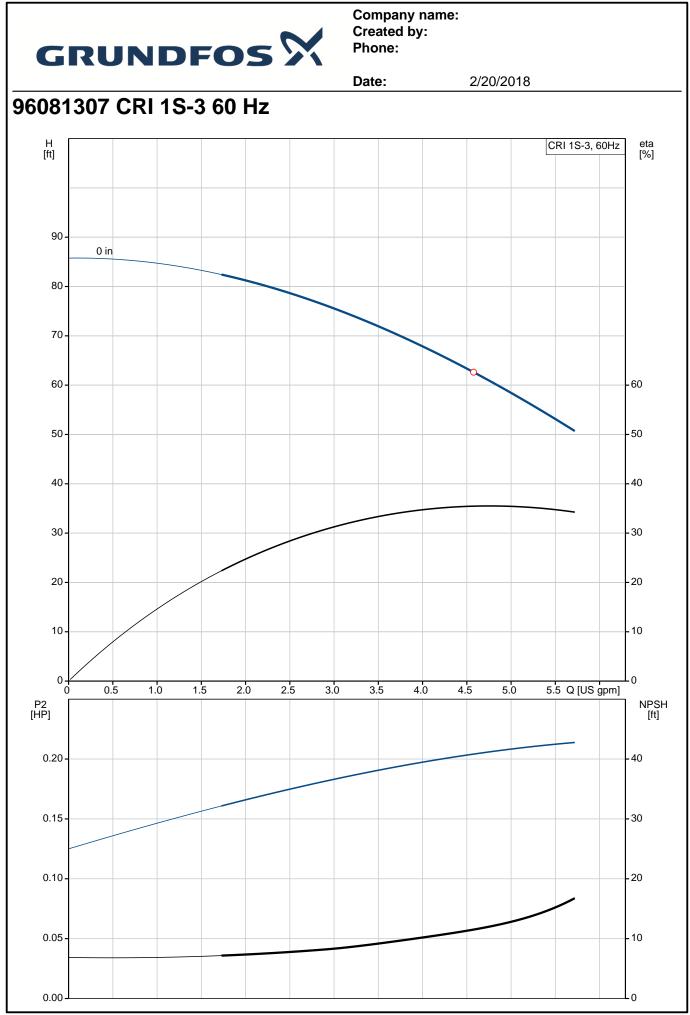
Size of suction port: Size of outlet connection: Size of outlet port: Pressure rating: Flange size for motor:	1 1/4 inch DN 32 1 1/4 inch PN 25 56C
Electrical data: Motor standard: Motor type: IE Efficiency class: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor: Rated current: Rated current: Rated speed: Number of poles: Insulation class (IEC 85):	NEMA BALDOR NA 0.33 HP 0.33 HP 60 Hz 1 x 115/230 V 1,35 6,00/3,00 A 3450 rpm 2 B
Others: Net weight: Gross weight: Shipping volume:	43.9 lb 54.9 lb 4.94 ft ³

Size of inlet connection:

G	RU		Company nar Created by: Phone:	ne:	
			Date:	2/20/2018	
Position	Count	Description			
	1	CRI 1S-3 A-CA-I-V-HQQV			
		Product No.: 96081307 Vertical, non-self-priming, multist centrifugal pump for installation i and mounting on a foundation.			
		The pump has the following char - Impellers, intermediate ch sleeve are made of - Pump head cover and bar - The shaft seal has assem according to EN 12756. - Power transmission is via coupling.	ambers and outer se are made of bly length		
		flanges/couplings. 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/ft ³		
		Technical: Speed for pump data: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3436 rpm Vertical Single HQQV CURUS 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 temperat			
		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:	56C	
		Electrical data: Motor standard:	NEMA	
		Motor type:	BALDOR	
		IE Efficiency class:	NA	
		Rated power - P2:	0.33 HP	
		Power (P2) required by pump:		
		Main frequency:	60 Hz	
		Rated voltage:	1 x 115/230 V	
		Service factor:	1,35	
		Rated current:	6,00/3,00 A	
		Rated speed:	3450 rpm	
		Number of poles: Insulation class (IEC 85):	2 B	
			5	
		Others:		
		Net weight:	43.9 lb	
		Gross weight:	54.9 lb	
		Shipping volume:	4.94 ft ³	
	•			



Printed from Grundfos Product Center [2017.09.058]

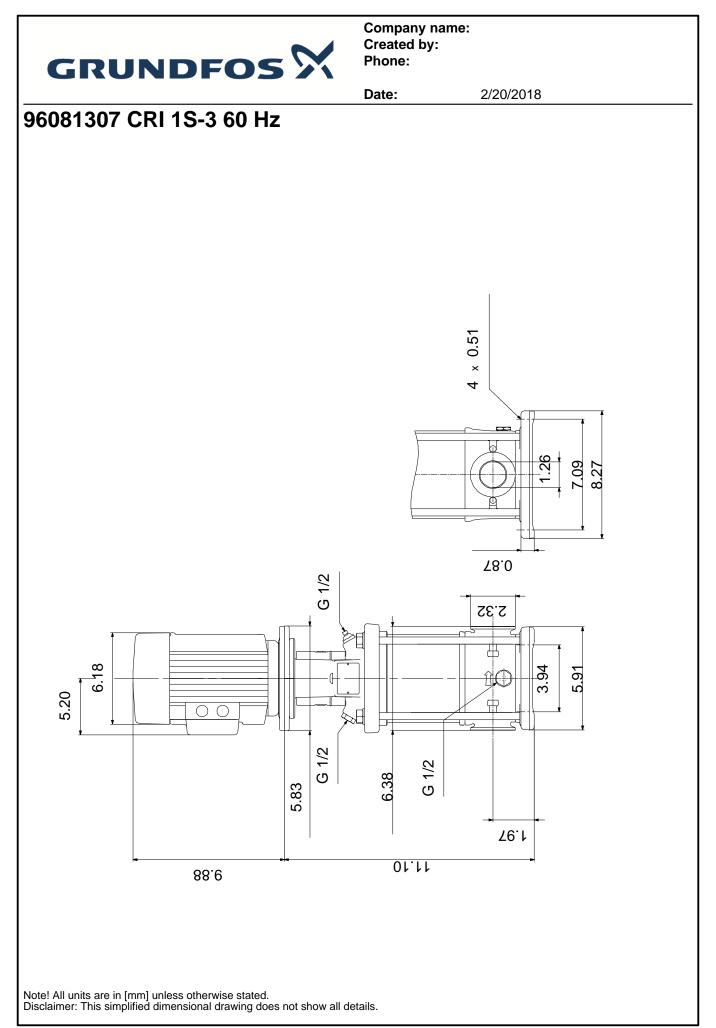


		Date:	2/20/2018
Description	Value	- H [ft]	CRI 1S-3, 60Hz
General information:	. diuv		
Product name:	CRI 1S-3 A-CA-I-V-HQQV	-	
Product No.:	96081307	90 - 0 in	
EAN:	5700395164589	-	
LAN.	3700393104309	80 -	
Technical:		70 -	
Speed for pump data:	3436 rpm		
Stages:	3	60 -	
Impellers:	3	-	
Low NPSH:	N	50 -	
		-	
Pump orientation:	Vertical	40 -	- 40
Shaft seal arrangement:	Single	30 -	- 30
Code for shaft seal:	HQQV	30 -	30
Approvals on nameplate:	CURUS	20 -	20
Curve tolerance:	ISO9906:2012 3B	_	
Pump version:	A	10 -	10
Model:	A		
Cooling:	TEFC	0	0 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 Q [US gpm]
			1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 Q [05 gpm]
Materials:		P2 [HP]	
Base:	Stainless steel	0.20 -	40
	EN 1.4408		
	AISI 316	0.15 -	-30
Impeller:	Stainless steel		
	EN 1.4301	0.10 -	20
	AISI 304		
Material code:	I	0.05 -	10
Code for rubber:	V		
Bearing material:	SIC	0.00	
		-1	
Installation:			r 5.20
Maximum ambient temperature:	104 °F	_	6.18
Max pressure at stated temperature:	363 psi / 194 °F		
	363 psi / -4 °F	88.0	
Type of connection:	FlexiClamp	0	
Connect code:	CA	-	
Size of inlet connection:	DN 32		G 1/2 G 1/2
Size of suction port:	1 1/4 inch	- 1	
Size of outlet connection:	DN 32	- <u>- </u> <u>-</u>	
Size of outlet port:	1 1/4 inch	- ^E <u>G</u>	1/2
Pressure rating:	PN 25	- .+	
Flange size for motor:	56C	1.97	
1 Iange Size 101 1110101.	500	- 1	3.94 5.91 7.09
Liquid:			8.27
Pumped liquid:	Water	_	
Liquid temperature during operation:	68 °F	LN	÷
			ī
Density:	62.29 lb/ft ³	- []	
Electrical data:		- T	1
Motor standard:	NEMA	-	l
		-	1
Motor type:	BALDOR	-	
IE Efficiency class:	NA	-	
Rated power - P2:	0.33 HP	_	
Power (P2) required by pump:	0.33 HP	_	l
Main frequency:	60 Hz	_	
Rated voltage:	1 x 115/230 V	_ \ / .	/
Service factor:	1,35	\mathcal{M}'	
Rated current:	6,00/3,00 A	(M)	
Load current:	6,8/3,4 A	- \1~/	

Printed from Grundfos Product Center [2017.09.058]



		Date:	2/20/2018	
Description	Value			
Rated speed:	3450 rpm			
Number of poles:	2			
Insulation class (IEC 85):	В			
Motor Number:	85680001			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	43.9 lb			
Gross weight:	54.9 lb			
Shipping volume:	4.94 ft ³			

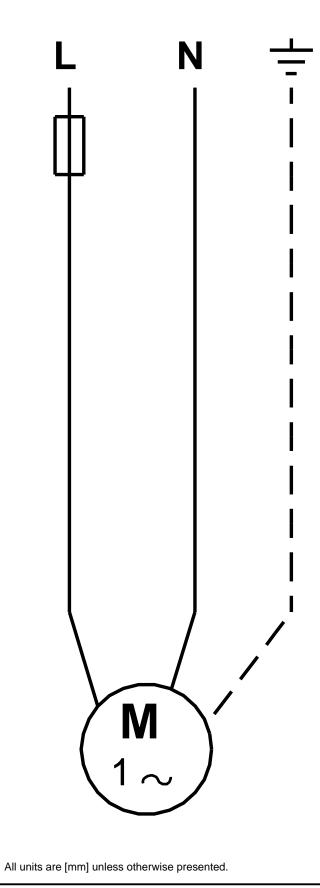




2/20/2018

Date:

96081307 CRI 1S-3 60 Hz





2/20/2018

Order Data:

Product name: CRI 1S-3 A-CA-I-V-HQQV Amount: 1 Product No.: 96081307

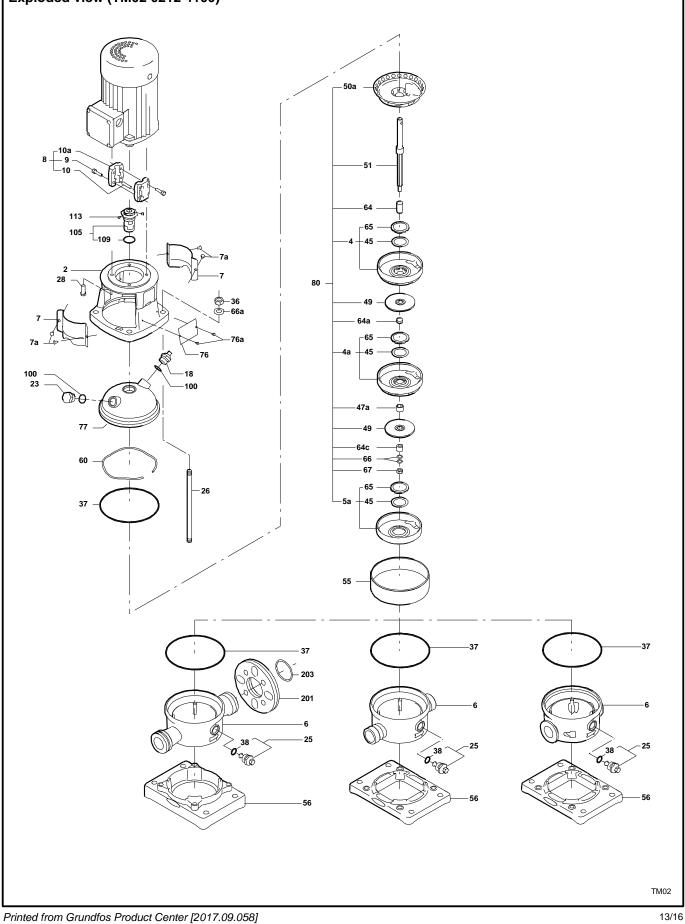
Total: Price on request

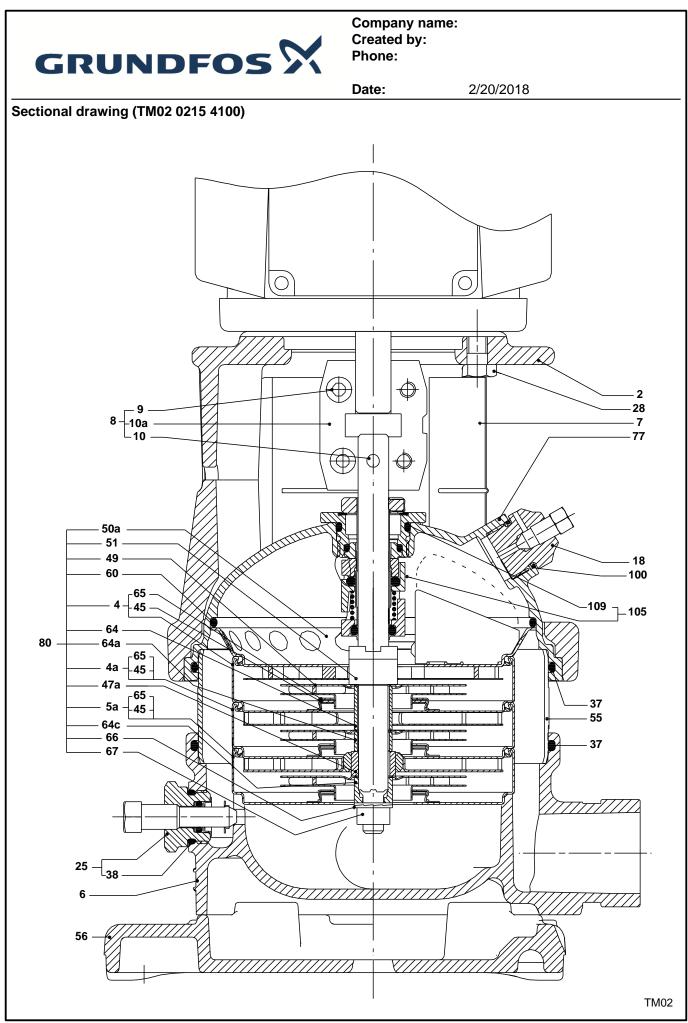


2/20/2018

Date:

Exploded view (TM02 0212 4100)





Printed from Grundfos Product Center [2017.09.058]



2/20/2018

Parts list CRI 1S-3, Prod number 96081307 Valid from 1.1.2004 (0401)

	Position	Description	Annotation	Classification data	Part No.	Count	Unit
		Motor				1	pcs
ł		Base cpl.				1	pcs
•		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	Motor stool				. 1	1.25
	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	
	20	They head cap screw		Thread: UNC 3/8"		4	
	60	Formed wire spring		Thiedu. UNC 5/0		1	
	77	Pump cover				1	
+	8	Coupling cpl.				1	pcs
T	26	Staybolt		Length: 151		4	pcs
	20	Staybolt		Thread: M12		4	pus
	36a	Washer		Designation: DIN 125 A		4	ncc
	50a	Washer		Inner diameter: 13		4	pcs
				Outer diameter: 24			
		Outen als ave		Thickness: 2,5		4	
	55	Outer sleeve		Thus s de M40		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.				1	
		Guide vane					
		Plate					
		Retainer					
		Intermediate chamber					
		Vane					
	45	Neck ring					
	65	Retainer					
-	4a	Chamber w. bearing cpl.				1	
		Guide vane					
		Retainer for bearing					
		Bearing bush					



			Date:	2/2	0/2018	6
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				1	
49	Impeller cpl.				3	
49	Impeller					
51	Shaft, spline, cpl.				1	
64a	Spacing pipe				1	
64a	Spacing pipe		Inner diameter: 12,85	5	1	
			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	