

Submittal Data

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

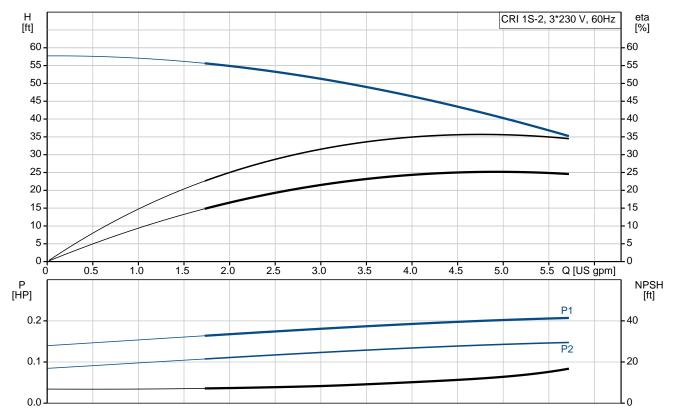


CRI 1S-2 A-CA-A-E-HQQE

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)

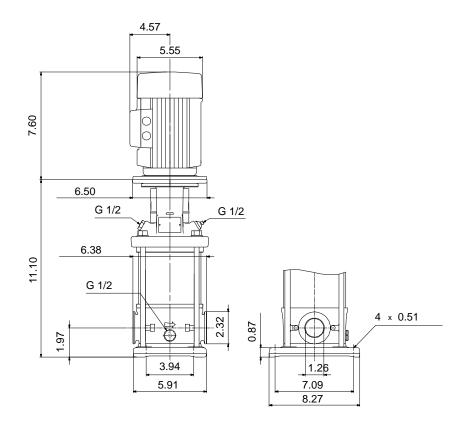
Product photo could vary from the actual product

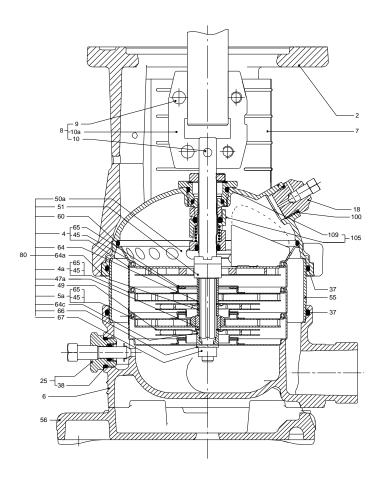
Conditions	of Service	Pump Data		Moto	or Data
Flow: Head:		Max pressure at stated temperature: Liquid temperature range:	363 psi / 250 °F -4 248 °F	Rated power - P2: Rated voltage:	0.33 HP 208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS,NSF61	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQE	Insulation class:	F
NPSH required:	ft	Product number:	96081211	Motor protection:	NONE
Viscosity:				Motor type:	71AA
Specific Gravity:	1.000			Motor_efficiency:	78.5 %



Submittal Data







M	ate	rıa	IS:

Base:

Impeller:

EN 1.4408 AISI 316 Stainless steel AISI 304 EN 1.4301

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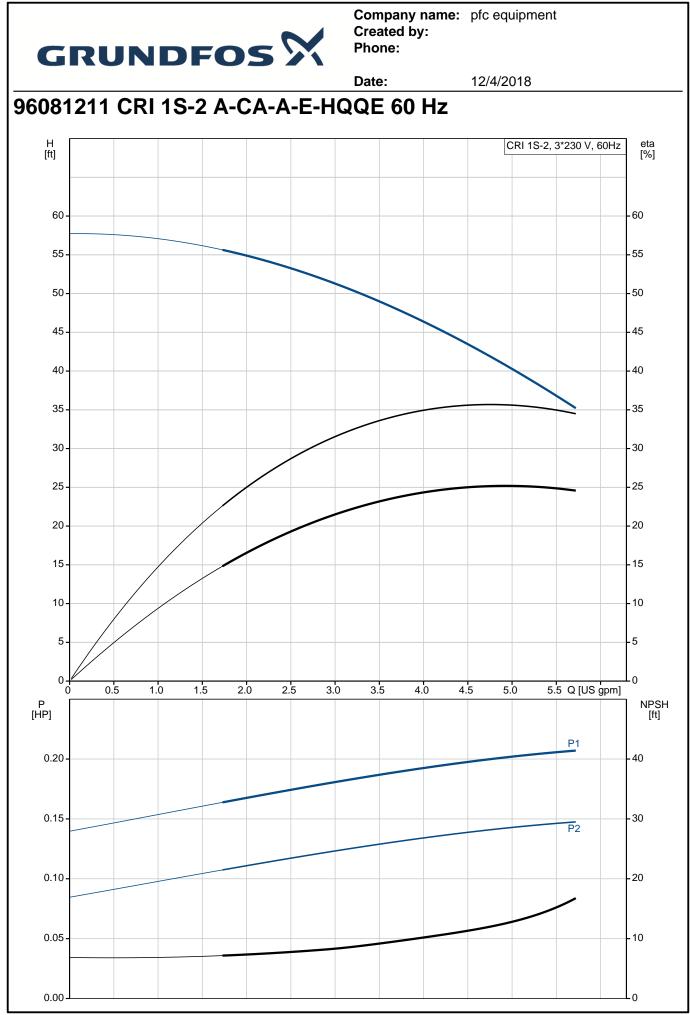
Stainless steel

Material code: Code for rubber: E

G	RU	INDFOS	Created by:	e: pfc equipment	
			- Date:	12/4/2018	
Position	Count	Description			
	1	CRI 1S-2 A-CA-A-E-HQQE			
		Product No.: 96081211 Vertical, non-self-priming, multiscentrifugal pump for installation is and mounting on a foundation.			
		The pump has the following chan - 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.	nambers and outer se are made of ably length		
		flanges/couplings. The motor is a 3-phase AC moto	or.		
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -4 248 °F tion: 68 °F 62.29 lb/ft ³		
		Technical: Rated pump speed: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3425 rpm 4.84 US gpm 37.73 ft 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:	SIC		
		Installation: Maximum ambient temperature: Maximum operating pressure:	104 °F 363 psi		



			Date:	12/4/2018
Position	Count	Description		
		Max pressure at stated tempera	ature: 363 psi / 250 °F	
			363 psi / -4 °F	
		Type of connection:	FlexiClamp	
		Size of inlet connection:	DN 32	
		Size of suction port:	1 1/4 inch	
		Size of outlet connection:	DN 32	
		Size of outlet port:	1 1/4 inch	
		Pressure rating for pipe connec		
		Flange size for motor:	56C	
		Electrical data:		
		Motor standard:	NEMA	
		Motor type:	71AA	
		Rated power - P2:	0.33 HP	
		Power (P2) required by pump:		
		Main frequency:	60 Hz	
		Rated voltage:	3 x 208-230YY/460Y V	
		Service factor:	1.35	
		Rated current:	1,12-1,10/0,55 A	
		Starting current:	630-700 %	
		Cos phi - power factor:	0.81-0.75	
		Rated speed:	3450-3480 rpm	
		Motor efficiency at full load:	78.5 %	
		Number of poles:	2	
		Enclosure class (IEC 34-5):	55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others: Net weight:	41.4 lb	
		Gross weight:	52.4 lb	
		Shipping volume:	4.94 ft ³	
		Country of origin:	US	
		Custom tariff no.:	8413.70.2040	
			0110.70.2010	
	1	I		

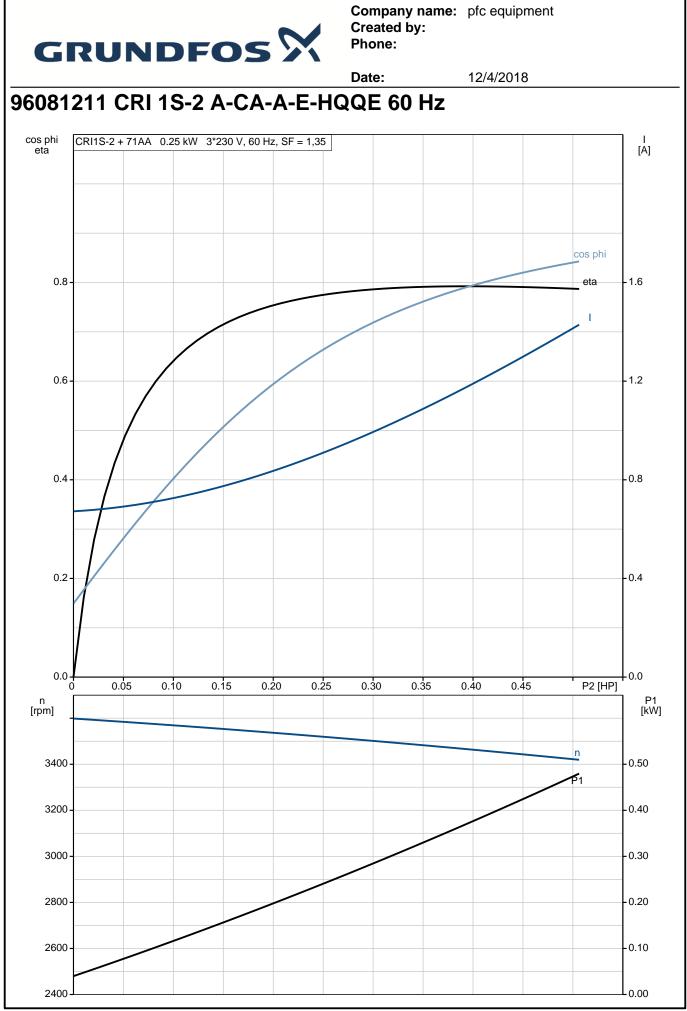




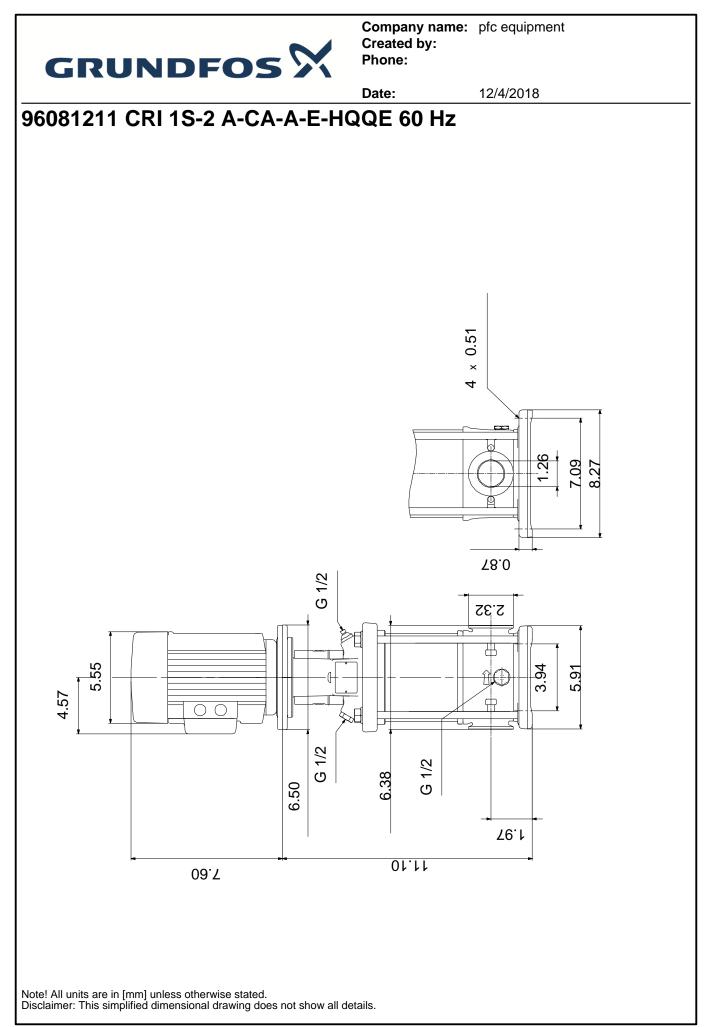
				12/4/20			-
Description	Value	H [ft]			CRI 1S-2,	3*230 V, 60Hz	eta [%]
General information:							
Product name:	CRI 1S-2 A-CA-A-E-HQQE	60 -					- 60
Product No.:	96081211	55 -					- 55
EAN:	5700395164176	50					50
Technical:		50 -					- 50
Rated pump speed:	3425 rpm	45 -					- 45
Rated flow:	4.84 US gpm	40 -					40
Rated head:	37.73 ft						
Head max:	53.15 ft	35 -					- 35
Stages:	3	30 -					- 30
Impellers:	2	25 -					- 25
Number of reduced-diameter impellers:	0	20 -					20
Low NPSH:	No	15 -					- 15
Pump orientation:	Vertical						
Shaft seal arrangement:	Single	10 -					- 10
Code for shaft seal:	HQQE	5-					- 5
Approvals on nameplate:	CURUS,NSF61	0 -					
Curve tolerance:	ISO9906:2012 3B	. (0 0.5 1.0	1.5 2.0 2.5 3.0) 3.5 4.0 4.5	Q [US gpm]	Ũ
Pump version:	A	P [HP]					NPS [ft]
Model:	A	0.20 -				P1	40
Cooling:	TEFC	0.20					-10
Materials:	1210	0.15 -					- 30
Base:	Stainless steel	0.13				P2	- 30
base.	EN 1.4408	0.10 -					- 20
	AISI 316	0.10				/	- 20
Impeller:	Stainless steel	0.05 -					- 10
	EN 1.4301	0.00					10
	AISI 304	0.00 -					
Material code:	A 131 304	0.00					0
Code for rubber:	E		. 4	.57			
Bearing:	SIC			5.55			
Installation:	310	ſ					
Maximum ambient temperature:	104 °F	7.60	-4				
Maximum operating pressure:	363 psi	22	Ļ	2			
Maximum operating pressure. Max pressure at stated temperature:	363 psi / 250 °F	.					
Max pressure at stated temperature.	363 psi / -4 °F		6.50 <u>G 1/2</u>	G 1/2			
Tune of connection	FlexiClamp		<u> </u>				
Type of connection:	•	11.10	6.38				
Size of inlet connection:	DN 32		G 1/2				
Size of suction port:	1 1/4 inch DN 32		. 			0.51	
Size of outlet connection:			1.97	III 'I			
Size of outlet port:	1 1/4 inch		'	<u>3.94</u> 5.91	7.09		
Pressure rating for pipe connection:	PN 25		•		8.27		
Flange size for motor:	56C						
Connect code:	CA						
Liquid:							
Pumped liquid:	Water		∆ w	ARNING			
Liquid temperature range:	-4 248 °F	WITH	OR MUST BE GROUNDE THE NATIONAL ELECT	TRICAL CODE AND			
Liquid temperature during operation:	68 °F	PRE	AL CODES BY TRAINED VENT SERIOUS ELECTR	RICAL SHOCKS.			
Density:	62.29 lb/ft ³		RCE FROM MOTOR AND				
Electrical data:		COM	ICES AND ALLOW MOTO IPLETE STAND STILL.				
Motor standard:	NEMA		LOW VOLTAGE 60Hz. 208-230V	HIGH VOLTAGE 60Hz: 460V 50Hz: 400V			
Motor type:	71AA	. 9●	8 9 7 9	6 ● 5 ● 4 ●			
Rated power - P2:	0.33 HP	3•	2• 1•	9● 8● 7 ● 3● 2● 1●			
Power (P2) required by pump:	0.33 HP	L3	L2 L1	L3 L2 L1 8			
Main frequency:	60 Hz		INTERCHANGE	ANY TWO LINE			
Rated voltage:	3 x 208-230YY/460Y V		THERMOSTATI (AHEN PROVE	LEADS J HED) J			
Service factor:	1.35						



		Date:	12/4/2018
Description	Value		
ated current:	1,12-1,10/0,55 A		
Starting current:	630-700 %		
oad current:	1,5-1,45/0,75 A		
Cos phi - power factor:	0.81-0.75		
ated speed:	3450-3480 rpm		
lotor efficiency at full load:	78.5 %		
umber of poles:	2		
nclosure class (IEC 34-5):	55 Dust/Jetting		
sulation class (IEC 85):	F		
otor protection:	NONE		
otor Number:	85900700		
ontrols:			
requency converter:	NONE		
thers:			
let weight:	41.4 lb		
Gross weight:	52.4 lb		
Shipping volume:	4.94 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		



Printed from Grundfos Product Center [2018.07.004]





Date: 12/4/2018 96081211 CRI 1S-2 A-CA-A-E-HQQE 60 Hz \bigwedge WARNING MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS. TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL. **HIGH VOLTAGE** LOW VOLTAGE 60Hz: 460V 60Hz. 208-230V 50Hz: 400V 5 6 4 5⊜ 6⊜ 4⊜ 9 8⊜ 7⊜ 9 7⊜ 8 3⊜ 2 1⊜ 3⊜ 2⊜ 1⊜ 96553852 L1 L2 L3 L3 L2 L1 INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION THERMOSTAT LEADS 🖨 J 🌒 J (WHEN PROVIDED)

All units are [mm] unless otherwise presented.