

Submittal Data

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

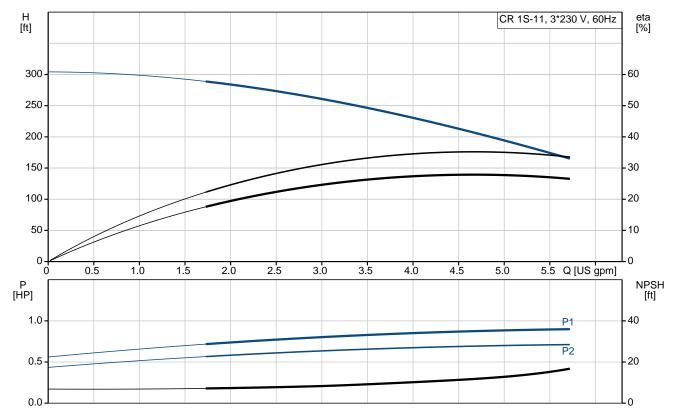


CR 1S-11 A-B-A-V-HQQV

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)

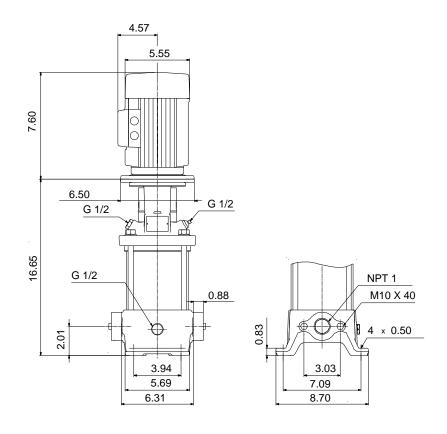
Product photo could vary from the actual product

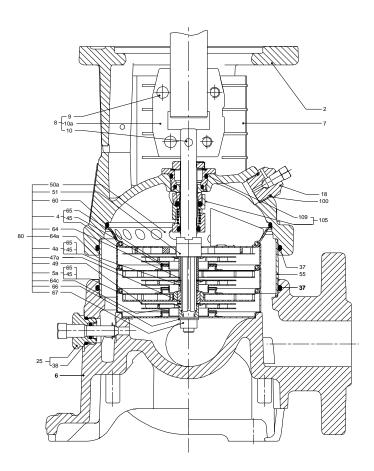
Conditions of Service		Pump Data	Motor Data		
Flow:		Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	0.75 HP
Head:		Liquid temperature range:	-4 194 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQV	Insulation class:	F
NPSH required:	ft	Product number:	96080964	Motor protection:	NONE
Viscosity:				Motor type:	71BA
Specific Gravity:	1.000			Motor_efficiency:	79.0-80.0 %



Submittal Data







Materials:	
matorialo	

Base:

Impeller:

Material code: A Code for rubber: V

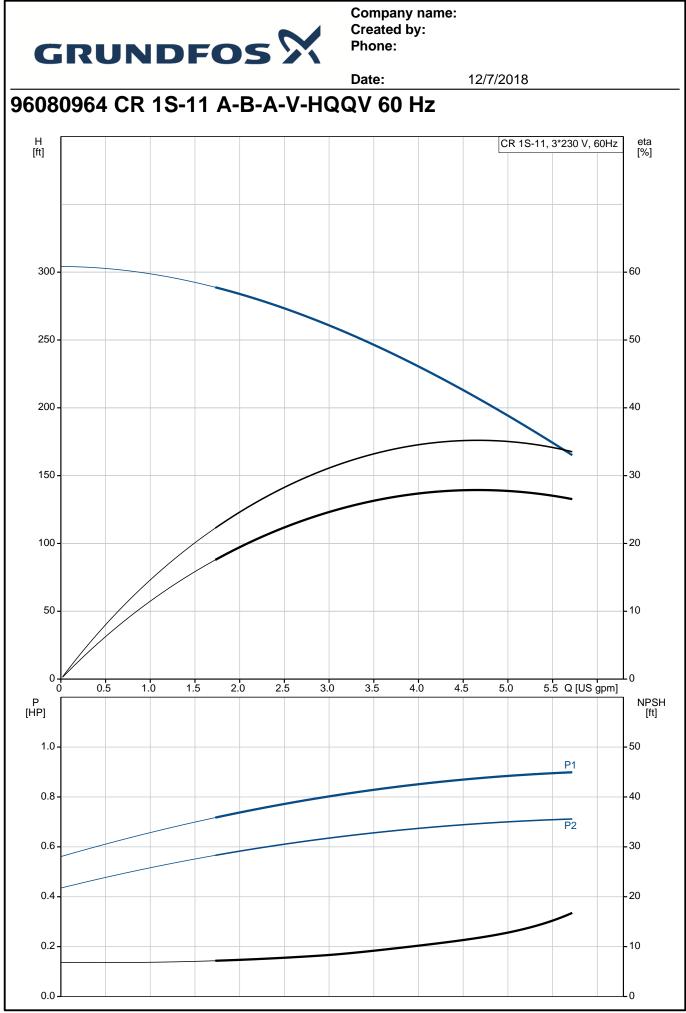
Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

G	RU	INDFOS	Company nat Created by: Phone:	ne:			
			Date:	12/7/2018			
Position	Count	Description					
	1	CR 1S-11 A-B-A-V-HQQV					
		Product No.: 96080964 Vertical, non-self-priming, multis 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 3-phase AC motor.					
		Controls: Frequency converter:	NONE				
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -4 194 °F tion: 68 °F 62.29 lb/ft³				
		Technical: Rated pump speed: Rated flow:	3439 rpm 4.84 US gpm				
		Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal:	200.5 ft Vertical Single HQQV				
		Approvals on nameplate: Curve tolerance:	CURUS ISO9906:2012 3B				
		Materials:					
		Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B				
		Impeller:	Stainless steel EN 1.4301 AISI 304				
		Bearing:	SIC				
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi ure: 232 psi / 194 °F				
		Type of connection:	232 psi / -4 °F Oval / NPT(F)				



Company name: Created by:

ition Court Description Size of suction port: 1 inch Size of suction port: 1 inch Pressure rating for pipe connection: PN 16 Flange size for motor: 56C Electrical data: NEMA Motor standard: NEMA Motor standard: NEMA Motor type: 0.75 HP Power (P2) required by pump: 0.75 HP Power (P2) required by pump: 0.75 HP Main frequency: 60 Hz Service factor: 1.25 Rated voltage: 3 x 208-230Y1/460Y V Service factor: 1.42 Rated voltage: 3 x 302-230Y1/460Y V Service factor: 0.84-0.78 Rated speed: 3430-3460 rpm Motor stricter: 0.84-0.78 Rated speed: 3430-3460 rpm Motor difficiency at full lead: 70-80.0 % Number of poles: 2 Enclosure class (IEC 84-5): 55 Dust/Jetting Insulation class (IEC 84-5): F Others: Net weight: Net weight: 63.7 lb Gross weight: 64.7 lb Shipping volume: 4.94 ft ³ Country of origin: US Custom tariff no.:			INDFOS	Date:	12/7/2018
Size of outlet port: 1 inch Pressure rating for pipe connection: PN 16 Flange size for motor: 56C Electrical data: Motor standard: NEMA Motor type: 71BA 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: 79.0-80.0 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 34-5): F Net weight: 53.7 lb Gross weight: 64.7 lb Shipping volume: 4.94 ft ³ Country of origin: US	ition	Count	Description		
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Gross weight:64.7 lbShipping volume:4.94 ft³Country of origin:US					
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Country of origin: US					
			Custom tanii no.:	8413.70.2040	





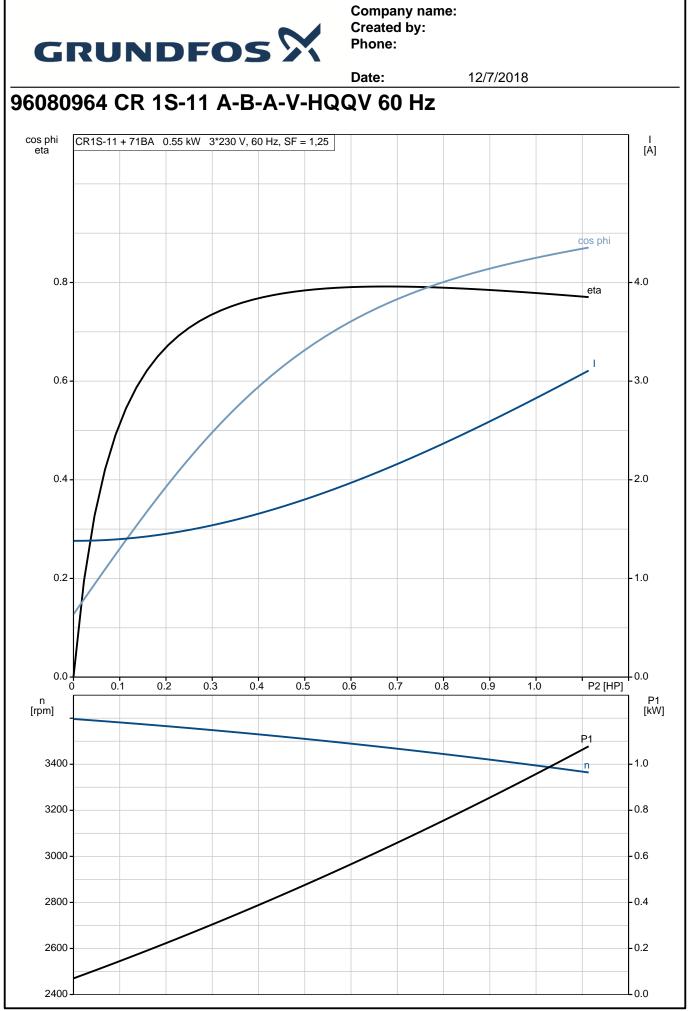
Company name: Created by: Phone:

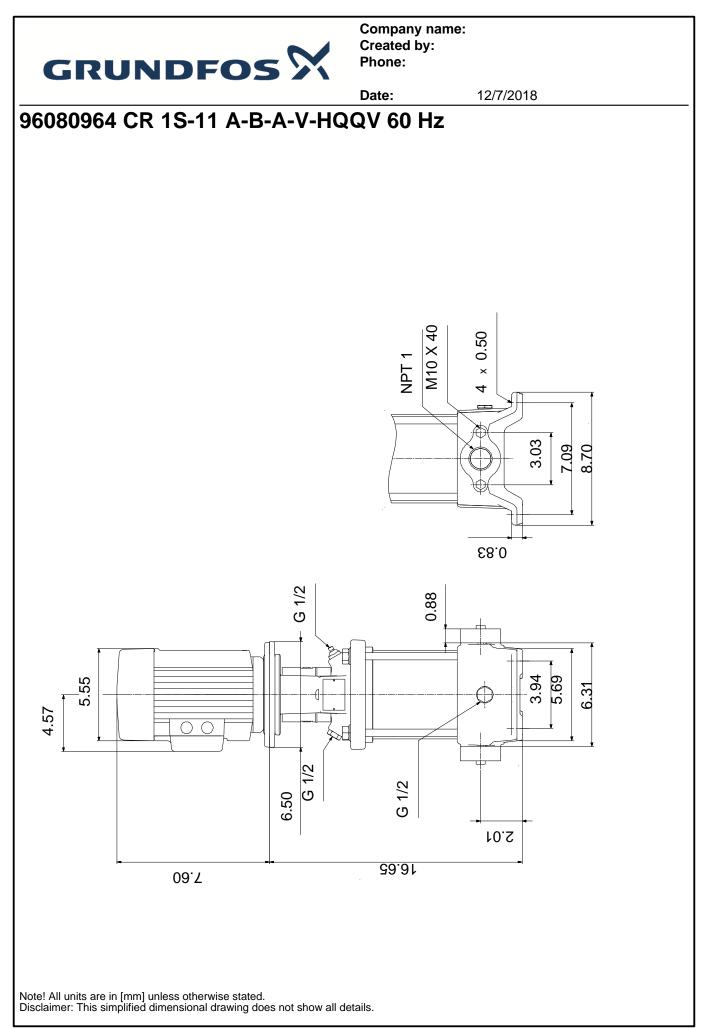
		Date:	12/7/2018
Description	Value	H [ft]	CR 1S-11, 3*230 V, 60Hz [%]
General information:	 -		
Product name:	CR 1S-11 A-B-A-V-HQQV		
Product No.:	96080964		
EAN:	5700395154221	300 -	
Technical:			
Rated pump speed:	3439 rpm	250	
Rated flow:	4.84 US gpm	250 -	
Rated head:	200.5 ft		
Head max:	303.2 ft	200 -	
Stages:	11		
Impellers:	11	150 -	- 30
Number of reduced-diameter impellers:			
Number of reduced-diameter impeliers.	0		
Low NPSH:	No	100 -	-20
Pump orientation:	Vertical		
Shaft seal arrangement:	Single	50 -	
Code for shaft seal:	HQQV		
Approvals on nameplate:	CURUS	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[USgpm]
Pump version:	A	P [HP]	NPSI [ft]
Model:	A	[HF] 1.0 -	-50
Cooling:	TEFC		P1 00
Materials:		0.8 -	- 40
Base:	Cast iron	0.6 -	P2 -30
Dase.	EN 1561 EN-GJL-200	0.0	
	ASTM A48-25B	0.4	-20
Impeller:	Stainless steel		
Impener.	EN 1.4301	0.2 -	- 10
	AISI 304	0.0	
Motorial anda:		0.0 -	
Material code:	A V		4.57
Code for rubber:	-		5.55
Bearing:	SIC		
Installation:		2.60	
Maximum ambient temperature:	104 °F		
Maximum operating pressure:	232 psi	-	
Max pressure at stated temperature:	232 psi / 194 °F		<u>G 1/2</u> G 1/2
-	232 psi / -4 °F		
Type of connection:	Oval / NPT(F)	16.65	<u>G 1/2</u> NPT 1
Size of suction port:	1 inch	-	0.88 M10 X 40
Size of outlet port:	1 inch		
Pressure rating for pipe connection:	PN 16		╗ ╞╪╬╱╎ ╙╵ ╙╗
Flange size for motor:	56C		<u>3.03</u> <u>5.69</u> <u>6.31</u> <u>8.70</u>
Connect code:	В		<u> 0.31 </u> <u> 0.7∪ </u>
Liquid:			
Pumped liquid:	Water		
Liquid temperature range:	-4 194 °F		
Liquid temperature during operation:	68 °F		<u>≬</u> WARNING
Density:	62.29 lb/ft ³	WITH T	R MUST BE GROUNDED IN ACCORDANCE THE NATIONAL ELECTRICAL CODE AND
Electrical data:		LOCAL	L CODES BY TRAINED PERSONNEL TO ENT SERIOUS ELECTRICAL SHOCKS.
Motor standard:	NEMA	SOURC	RVICE MOTOR, DISCONNECT POWER CE FROM MOTOR AND ANY ACCESSORY
Motor type:	71BA	DEVICE	ES AND ALLOW MOTOR TO COME TO A LETE STAND STILL.
Rated power - P2:	0.75 HP		DW VOLTAGE HIGH VOLTAGE 60Hz: 460V 60Hz: 460V 9Hz: 208-230V 50Hz: 400V
Power (P2) required by pump:	0.75 HP		
Main frequency:	60 Hz	3	
Rated voltage:	3 x 208-230YY/460Y V	3¶ L3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Service factor:	1.25		
Rated current:	2,40-2,30/1,20 A		OBJECT TO BEFORE ANT FOR THE STATE OF A STAT
Starting current:	590-650 %		



Company name: Created by: Phone:

		Date:	12/7/2018	
Description	Value			
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:	79.0-80.0 %			
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:				
Net weight:	53.7 lb			
Gross weight:	64.7 lb			
Shipping volume:	4.94 ft ³			
Country of origin:	US			
Custom tariff no .:	8413.70.2040			







Company name: Created by: Phone:

Date: 12/7/2018 96080964 CR 1S-11 A-B-A-V-HQQV 60 Hz WARNING \bigwedge 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 2 3⊜ 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.