

Submittal Data

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

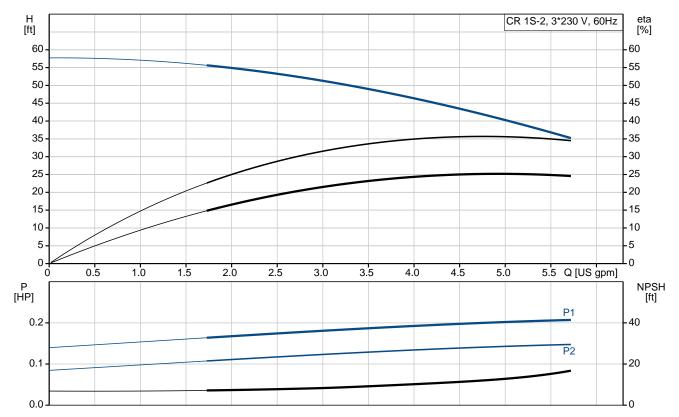


CR 1S-2 A-B-A-V-HQQV

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)

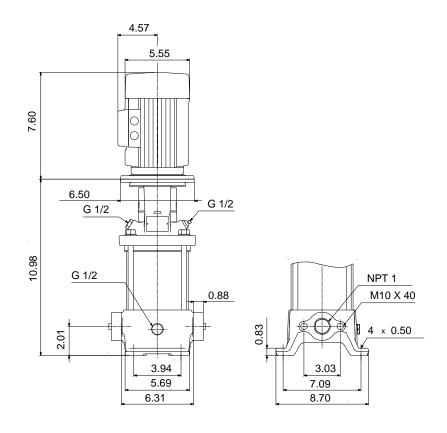
Product photo could vary from the actual product

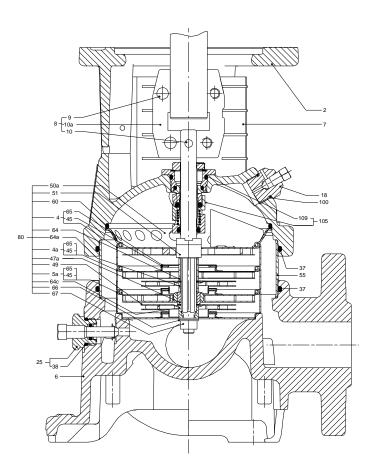
Conditions of Service		Pump Data	Motor Data		
Flow:		Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	0.33 HP
Head:		Liquid temperature range:	-4 194 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQV	Insulation class:	F
NPSH required:	ft	Product number:	96080946	Motor protection:	NONE
Viscosity:				Motor type:	71AA
Specific Gravity:	1.000			Motor_efficiency:	78.5 %



Submittal Data







Materials:	
matorialo	

Base:

Impeller:

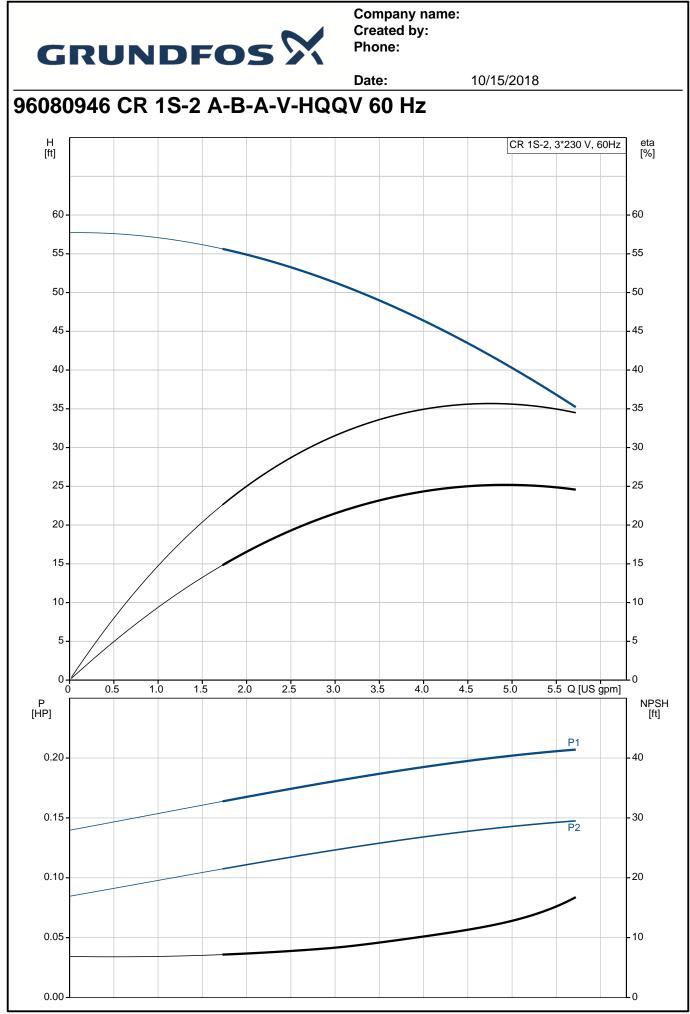
Material code: A Code for rubber: V

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

G	RU	INDFOS	Created by:		
			Date:	10/15/2018	
Position	Count	Description			
	1	CR 1S-2 A-B-A-V-HQQV			
		Product No.: 96080946 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	n pipe systems racteristics: e chambers are made of ably length		
		coupling. The motor is a 3-phase AC moto			
		Controls: Frequency converter:	NONE		
		Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -4 194 °F tion: 68 °F 62.29 lb/ft ³		
		Technical: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	4.84 US gpm 37.73 ft Vertical Single HQQV CURUS ISO9906:2012 3B		
		Materials: Base:	Cast iron EN 1561 EN-GJL-200		
		Impeller:	ASTM A48-25B Stainless steel EN 1.4301		
		Bearing:	AISI 304 SIC		
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi		
		Type of connection: Size of suction port:	Oval / NPT(F) 1 inch		



			Date:	10/15/2018
Position	Count	Description		
		Size of outlet port:	1 inch	
		Pressure rating for pipe connect Flange size for motor:	56C	
		-		
		Electrical data:	NEMA	
		Motor standard: Motor type:	71AA	
		Rated power - P2:	0.33 HP	
		Power (P2) required by pump:		
		Main frequency: Rated voltage:	60 Hz 3 x 208-230YY/460Y V	
		Service factor:	1.35	
		Rated current:	1,12-1,10/0,55 A	
		Starting current: Cos phi - power factor:	630-700 % 0.81-0.75	
		Rated speed:	3450-3480 rpm	
		Motor efficiency at full load:	78.5 %	
		Number of poles: Enclosure class (IEC 34-5):	2 55 Dust/Jetting	
		Insulation class (IEC 85):	F	
		Others: Net weight:	45.6 lb	
		Gross weight:	56.6 lb	
		Shipping volume:	4.94 ft ³	
		Country of origin: Custom tariff no.:	US	
		Custom tann no	8413.70.2040	

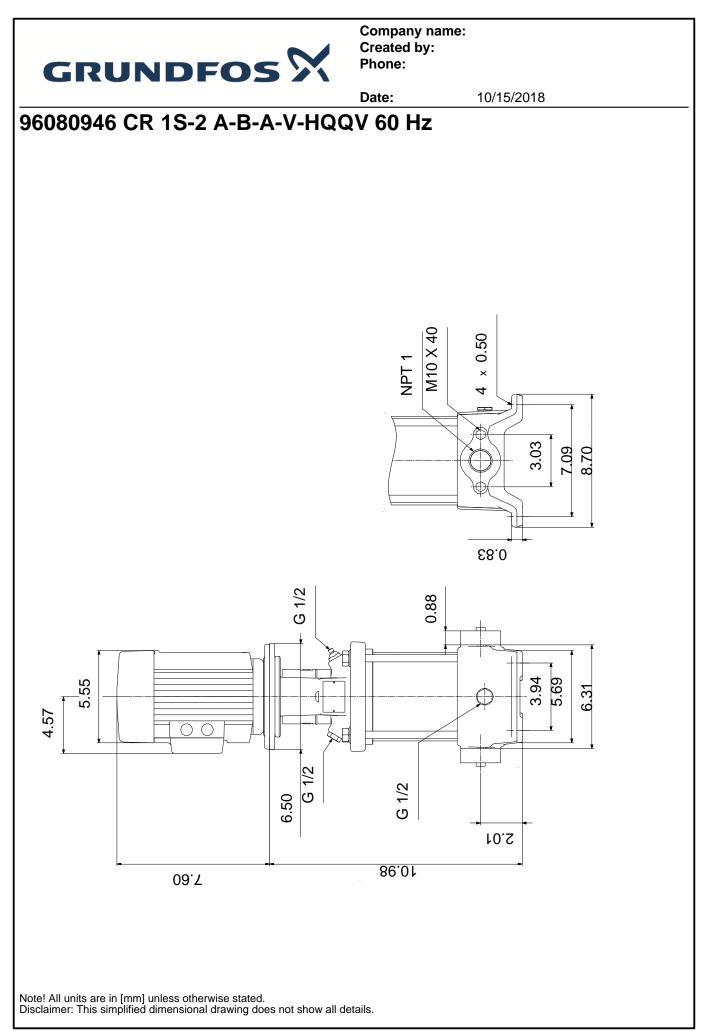




		Date:					_
Description	Value	H [ft]			CR 1S-2, 3*23	30 V, 60Hz	eta [%]
General information:		-					
Product name:	CR 1S-2 A-B-A-V-HQQV	60					- 60
Product No.:	96080946	55					- 55
EAN:	5700395154047						
Technical:		50					- 50
Rated flow:	4.84 US gpm	45					- 45
Rated head:	37.73 ft	40					- 40
Stages:	3	40					- 40
Impellers:	2	35					- 35
Number of reduced-diameter impellers:	0	30					- 30
Low NPSH:	N	00					00
		25					- 25
Pump orientation:	Vertical	20					- 20
Shaft seal arrangement:	Single						
Code for shaft seal:	HQQV	15					- 15
Approvals on nameplate:	CURUS	10					- 10
Curve tolerance:	ISO9906:2012 3B	-					_
Pump version:	А	5					-5
Model:	Α	0					Γ^{0}
Cooling:	TEFC		0 0.5 1.0 1	.5 2.0 2.5 3.0	3.5 4.0 4.5 C	(US gpm)	NPSH
Materials:		P [HP]				P1	Ift]
Base:	Cast iron	0.20				P1	- 40
2000.	EN 1561 EN-GJL-200						
	ASTM A48-25B	0.15					- 30
Impeller:						P2	
impeller.	Stainless steel	0.10					- 20
	EN 1.4301	0.10					- 20
	AISI 304	0.05					- 10
Material code:	A	0.05					- 10
Code for rubber:	V	0.00					
Bearing:	SIC	0.00					-0
Installation:			4.57				
Maximum ambient temperature:	104 °F		5	55			
Maximum operating pressure:	232 psi		l T				
Max pressure at stated temperature:	232 psi / 194 °F	2.60	Hall				
	232 psi / -4 °F	4	ĕ				
Type of connection:	Oval / NPT(F)	-	<u> </u>				
Size of suction port:	1 inch	-	6.50	G 1/2			
Size of outlet port:	1 inch	_					
Pressure rating for pipe connection:	PN 16	. 86	Υ Π	Ξ r ′	i con di		
Flange size for motor:	56C	10.98	<u>G 1/2</u>		NPT 1 M10 X 40		
Connect code:	В	_	. _П Щ				
Liquid:	В	_			4 × 0.50	-	
-	Water	- L	3	.94	3.03		
Pumped liquid:			6.3	.69	<u>7.09</u> 8.70		
Liquid temperature range:	-4 194 °F			-			
Liquid temperature during operation:	68 °F						
Density:	62.29 lb/ft ³						
Electrical data:							
Motor standard:	NEMA			RNING			
Motor type:	71AA	MO WIT	FOR MUST BE GROUNDED H THE NATIONAL ELECTR	IN ACCORDANCE CAL CODE AND			
Rated power - P2:	0.33 HP	LOC	AL CODES BY TRAINED P VENT SERIOUS ELECTRIC	ERSONNEL TO			
Power (P2) required by pump:	0.33 HP	SOL	SERVICE MOTOR, DISCON	NY ACCESSORY			
Main frequency:	60 Hz	DEV	ICES AND ALLOW MOTOR	TO COME TO A			
Rated voltage:	3 x 208-230YY/460Y V		LOW VOLTAGE 60Hz. 208-230V	HIGH VOLTAGE 60Hz: 460V 50Hz: 400V			
Service factor:	1.35		5 4	50⊓2: 400V 6♥ 5♥ 4♥			
Rated current:	1,12-1,10/0,55 A	90	8 7	9● 8● 7●			
	630-700 %	- ³ L3	2 1 L2 L1	3 ● 2 ● 1 ● L3 L2 L1 9			
Starting current:		_	INTERCHANGE AN				
Load current:	1,5-1,45/0,75 A		WRES TO REVER THERMOSTAT LEA (WHEN PROVIDED				
Cos phi - power factor:	0.81-0.75						
Rated speed:	3450-3480 rpm						



Date: 10/15/2018 Value Description Motor efficiency at full load: 78.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor protection: NONE Motor Number: 85900700 Controls: Frequency converter: NONE Others: Net weight: 45.6 lb Gross weight: 56.6 lb Shipping volume: 4.94 ft³ Country of origin: US Custom tariff no .: 8413.70.2040





Date: 10/15/2018 96080946 CR 1S-2 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.