

Submittal Data

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

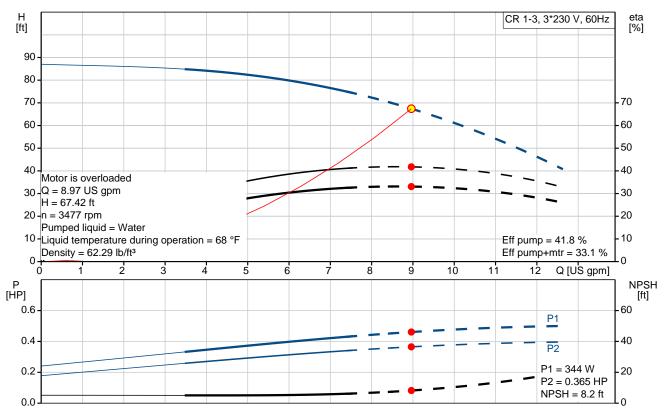


CR 1-3 A-B-A-V-HQQV

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)

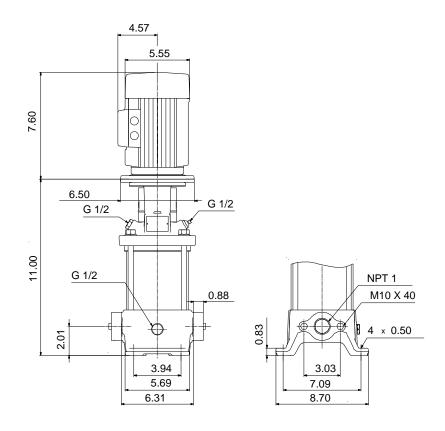
Product photo could vary from the actual product

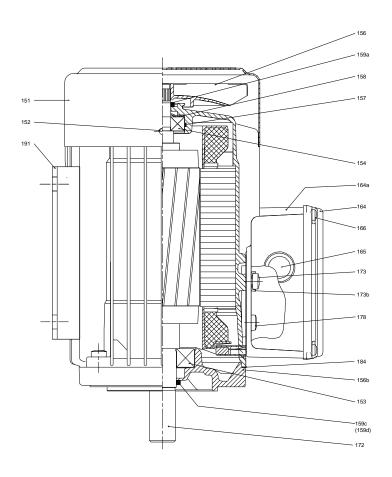
Conditions of Service		Pump Data		Motor Data		
Flow:	8.97 US gpm	Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	0.33 HP	
Head:	67.42 ft	Liquid temperature range:	-4 194 °F	Rated voltage:	208-230YY/460Y V	
Efficiency:	33.1 %	Maximum ambient temperature:	104 °F	Main frequency:	60 Hz	
Liquid:	Water	Approvals:	CURUS	Enclosure class:	55 Dust/Jetting	
Temperature:	68 °F	Shaft seal:	HQQV	Insulation class:	F	
NPSH required:	8.2 ft	Product number:	96082038	Motor protection:	NONE	
Viscosity:				Motor type:	71AA	
Specific Gravity:	1.000			Motor_efficiency:	77.4 %	



Submittal Data







Base:

Impeller:

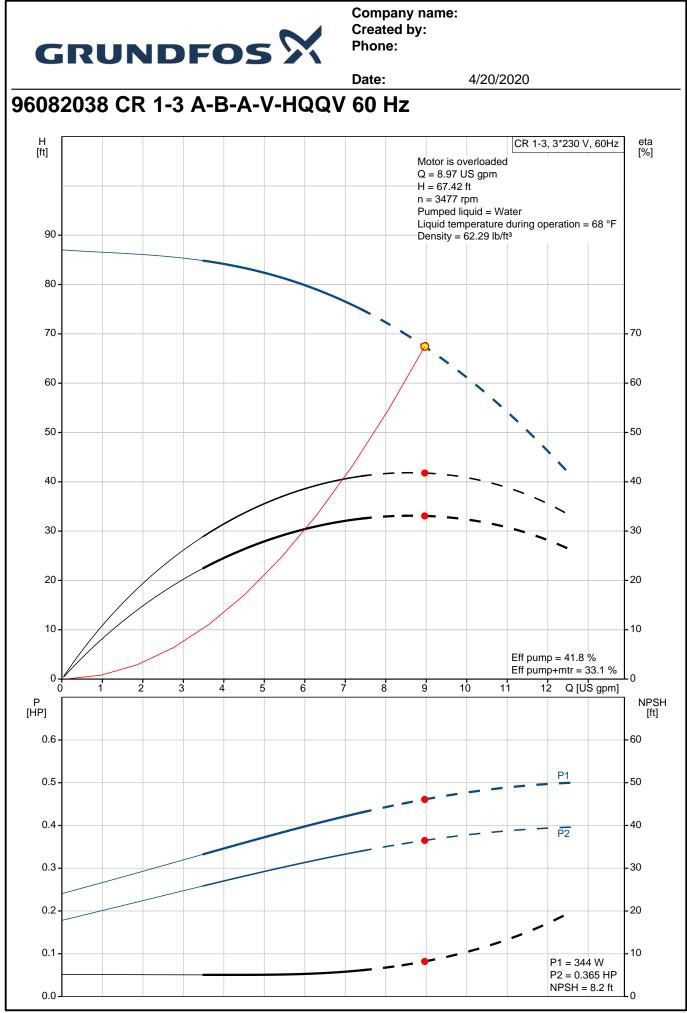
Material code: A Code for rubber: V

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

G	RUNDFO	sX	Company n Created by: Phone:				
			Date:	4/20/2020			
Count	Description						
1	CR 1-3 A-B-A-V-HQQV						
	Product No.: 96082038 Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head ar base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliab safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection via oval flanges with internal NPT threads.						
	The pump is fitted with a 3-phase, fan-cooled asynchronous motor.						
	1 invitale						
	Liquid: Pumped liquid:	Water					
	Liquid temperature range:	-4 194 °F					
ľ	Selected liquid temperature:	-4 194 F 68 °F					
	Density:	62.29 lb/ft ³					
	Technical:						
	Rated pump speed:	3425 rpm					
	Actual calculated flow:	8.97 US gpm					
	Resulting head of the pump:	67.42 ft					
	Pump orientation:	Vertical					
	Shaft seal arrangement:	Single					
	Code for shaft seal:	HQQV					
ľ	Approvals on nameplate:	CURUS					
	Curve tolerance:	ISO9906:2012 3E	3				
	Materials:						
ſ	Base:	Cast iron					
l		EN 1561 EN-GJL	-200				
l		ASTM A48-25B					
ſ	Impeller:	Stainless steel					
		EN 1.4301					
		AISI 304					
	Bearing:	SIC					
	Installation:						
l	Maximum ambient temperature:	104 °F					
l	Maximum operating pressure:	232.06 psi					
	Max pressure at stated tempera						
l	Type of connection:	Oval / NPT(F)	-				
l	Size of suction port:	1 inch					
l	Size of outlet port:	1 inch					
l		PN 16					
	Flange size for motor:	56C					
	Electrical data:						
	Electrical data: Motor standard:	NEMA					



Starting current:630-700 %Cos phi - power factor:0.81-0.75Rated speed:3450-3480 rpmMotor efficiency at full load:77.4 %Motor efficiency at 3/4 load:77.7 %Motor efficiency at 1/2 load:73.3 %Number of poles:2Enclosure class (IEC 34-5):55 Dust/JettingInsulation class (IEC 85):FMotor Number:85900700	Description			
Rated power - P2: 0.33 HP Power (P2) required by pump: 0.33 HP 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: 77.4 % Motor efficiency at 3/4 load: 77.7 % Motor efficiency at 1/2 load: 73.3 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor Number: 85900700 Controls: Frequency converter: Frequency converter: NONE Others: 57 lb Shipping volume: 4.94 ft ³ Country of origin: US	-			
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Gross weight:57 lbShipping volume:4.94 ft³Country of origin:US				
Shipping volume:4.94 ft³Country of origin:US				
Country of origin: US				
Custom tariff no.: 8413.70.2040				
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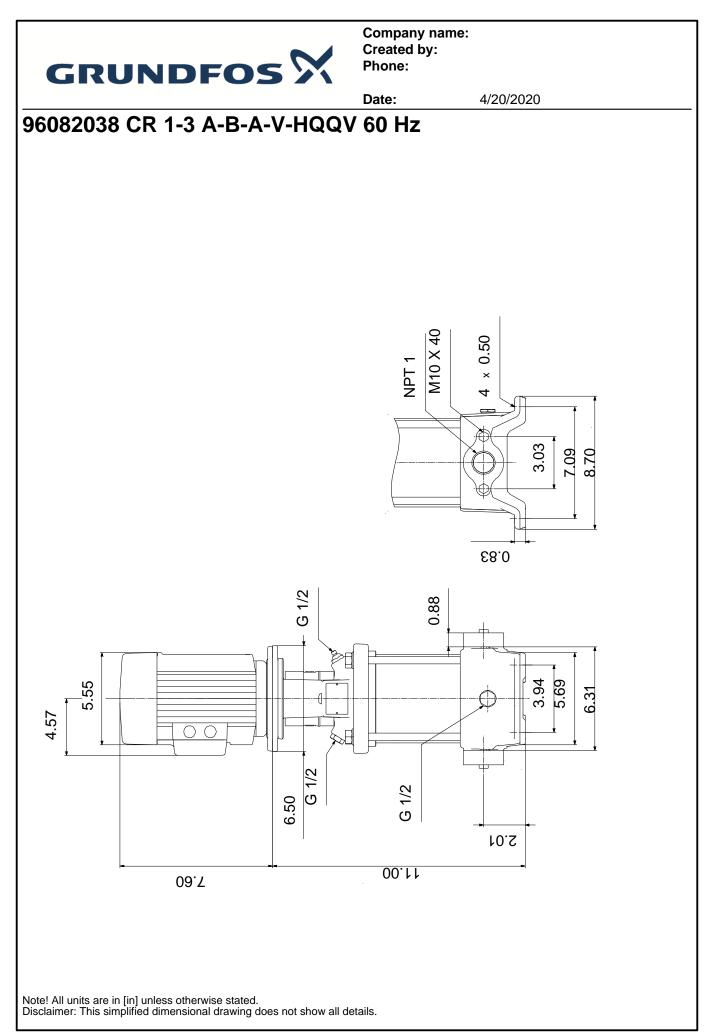


		·	
Description	Value	H [ft]	CR 1-3, 3*230 V, 60Hz [%]
General information:		·	Motor is overloaded Q = 8.97 US gpm
Product name:	CR 1-3 A-B-A-V-HQQV		H = 67.42 ft
Product No.:	96082038	90 -	n = 3477 rpm Pumped liquid = Water
EAN:	5700395167764	80 -	Liquid temperature during operation = 68 °F
	5700395167764		Density = 62.29 lb/ft ³
Technical:		70 -	70
Rated pump speed:	3425 rpm		
Actual calculated flow:	8.97 US gpm	60 -	- 60
Resulting head of the pump:	67.42 ft	-	
Maximum head:	89.57 ft	50 -	50
Stages:	3	40 -	
Impellers:	3	40 -	
	-	30 -	
Number of reduced-diameter impellers	[:] 0	00	
Low NPSH:	Ν	20 -	20
Pump orientation:	Vertical	10-	
Shaft seal arrangement:	Single		Eff pump = 41.8 % Eff pump+mtr = 33.1 %
Code for shaft seal:	HQQV	0	2 4 6 8 10 Q [US gpm]
Approvals on nameplate:	CURUS	. Р Г	NP
Curve tolerance:	ISO9906:2012 3B	P [HP]	[1
Pump version:	A		
Model:	А	0.5 -	
Cooling:	TEFC	0.4 -	40
Materials:			P2 40
Base:	Cast iron	0.3 -	-30
	EN 1561 EN-GJL-200	0.2	- 20
	ASTM A48-25B		P1 = 344 W
Impeller:	Stainless steel	0.1 -	P2 = 0.365 HP ¹⁰
	EN 1.4301	0.0	NPSH = 8.2 ft
	AISI 304	3	
Material code:	A 61 504		4.57
	V	-	5.55
Code for rubber:	-	_	
Bearing:	SIC	2.60	
Installation:	10105		
Maximum ambient temperature:	104 °F		
Maximum operating pressure:	232.06 psi	<u>6.50</u>	1/2 G 1/2
Max pressure at stated temperature:	232 psi / 194 °F		
	232 psi / -4 °F	8 <u><u>G 1/2</u></u>	
Type of connection:	Oval / NPT(F)	₩ <u>G 1/2</u>	0.88
Size of suction port:	1 inch	· •	
Size of outlet port:	1 inch	2:01	
Pressure rating for connection:	PN 16		<u>3.94</u> 5.69 7.09
Flange size for motor:	56C		6.31 7.09 6.70
Connect code:	В		
Liquid:	-		
Pumped liquid:	Water		
Liquid temperature range:			8
	-4 194 °F		<u> </u>
Selected liquid temperature:	68 °F	WITH THE NATIO	E GROUNDED IN ACCORDANCE DNAL ELECTRICAL CODE AND Y TRAINED PERSONNEL TO
Density:	62.29 lb/ft ³	PREVENT SERIO	DUS ELECTRICAL SHOCKS.
Electrical data:		SOURCE FROM	ITOR, DISCONNECT POWER MOTOR AND ANY ACCESSORY LLOW MOTOR TO COME TO A
Motor standard:	NEMA	COMPLETE STAP	ND STILL.
Motor type:	71AA	LOW VOLTA 60Hz. 208-23	
IE Efficiency class:	NEMA Premium / IE3 60Hz	9 9 8 9	
Rated power - P2:	0.33 HP	. 3∳ 2∳ L3 L2	1 ¶ 3 • 2 • 1 • 2 L1 2 2 1 • 28
Power (P2) required by pump:	0.33 HP		L3 L2 L1 8
Main frequency:	60 Hz		NITER/UNKIGAN ANTINULINE NITER/NORSANTALEADS — J INTERNISTICAEDS _ J
Rated voltage:	3 x 208-230YY/460Y V		
Service factor:	0 A 200 2001 1/4001 V		

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		Date:	4/20/2020	
Description	Value			
Rated current:	1,12-1,10/0,55 A			
Starting current:	630-700 %			
Load current:	1,5-1,45/0,75 A			
Cos phi - power factor:	0.81-0.75			
Rated speed:	3450-3480 rpm			
Motor efficiency at full load:	77.4 %			
Motor efficiency at 3/4 load:	77.7 %			
Motor efficiency at 1/2 load:	73.3 %			
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:	46 lb			
Gross weight:	57 lb			
Shipping volume:	4.94 ft ³			
Country of origin:	US			
Custom tariff no .:	8413.70.2040			





4/20/2020

96082038 CR 1-3 A-B-A-V-HQQV 60 Hz

