

Submittal Data

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

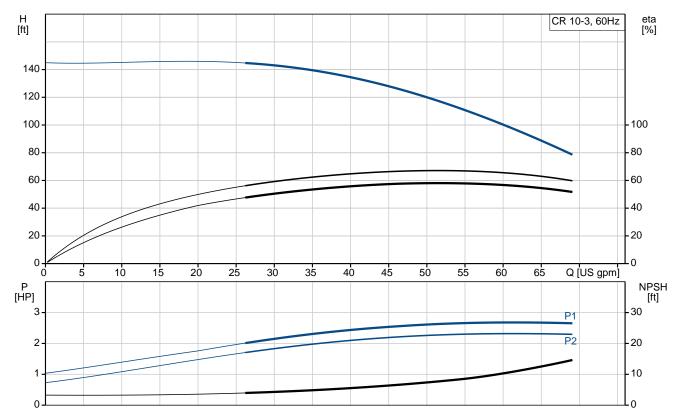


CR 10-3 A-GJ-A-V-HQQV

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)

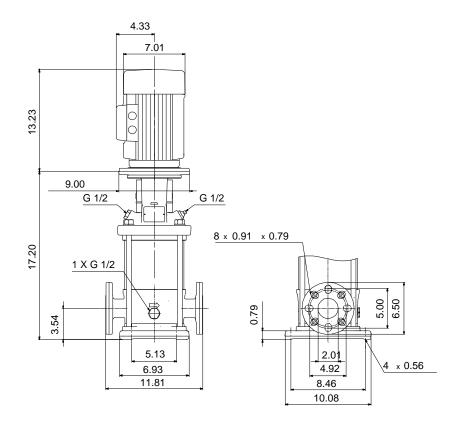
Product photo could vary from the actual product

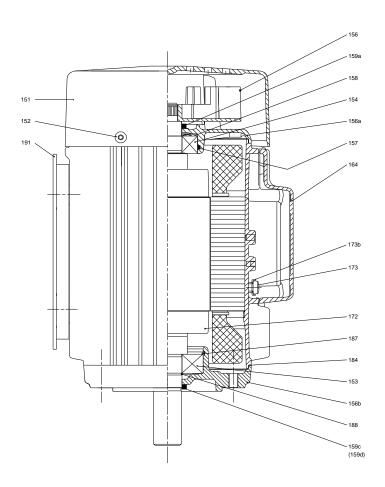
Conditions	of Service	Pump Data		Moto	or Data
Flow:		Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	3 HP
Head:		Liquid temperature range:	-4 194 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	140 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQV	Insulation class:	F
NPSH required:	ft	Product number:	96523007	Motor protection:	NONE
Viscosity:				Motor type:	90FA
Specific Gravity:	1.000			Motor_efficiency:	86.5 %



Submittal Data







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Base:

Impeller:

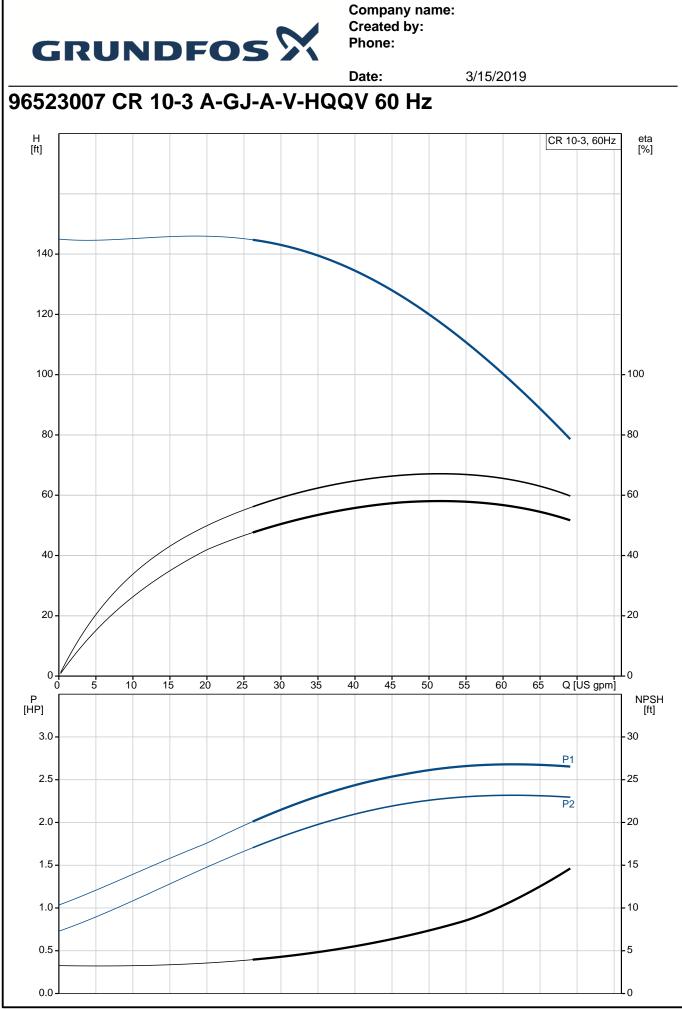
Material code: A Code for rubber: V

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

C	RUNDFO	s X	Company name: Created by: Phone:	
			Date:	3/15/2019
Count	Description			
1	CR 10-3 A-GJ-A-V-HQQV			
	Product No.: 96523007 Vertical, non-self-priming, multis centrifugal pump for installation and mounting on a foundation.			
	The pump has the following cha - Impellers and intermedia - The shaft seal has assen according to EN 12756. - Power transmission is via coupling.	te chambers are ma nbly length	ade of	
	The motor is a 3-phase AC moto	or.		
	Controls: Frequency converter:	NONE		
	Liquid: Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:			
	Technical: Rated pump speed: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3461 rpm 53.3 US gpm 114.2 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	200	
	Bearing:	AISI 304 SIC		
	Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated tempera	232 psi ture: 232 psi / 194		
	Type of connection:	232 psi / -4 ° ANSI / JIS	ŶF	



unt	Description		
	Size of inlet connection:	DN 50	
	Size of suction port:	2 inch	
	Size of outlet connection:	DN 50	
	Size of outlet port:	2 inch	
	Pressure rating for pipe connect Flange rating inlet:	300 lb	
	Flange size for motor:	182TC	
		10210	
	Electrical data:		
	Motor standard:	NEMA	
	Motor type:	90FA	
	IE Efficiency class:	NEMA Premium / IE3 60Hz	
	Rated power - P2:	3 HP	
	Power (P2) required by pump:	3 HP	
	Main frequency:	60 Hz	
	Rated voltage:	3 x 208-230YY/460Y V	
	Service factor:	1.15	
	Rated current:	8,35-7,80/3,9 A	
	Starting current:	940-1040 %	
	Cos phi - power factor:	0.89-0.86	
	Rated speed:	3510-3530 rpm	
	IE efficiency:	IE3 86,5%	
	Motor efficiency at full load:	86.5 %	
	Motor efficiency at 3/4 load:	86.5 %	
	Motor efficiency at 1/2 load:	84.0 %	
	Number of poles:	2	
	Enclosure class (IEC 34-5):	55 Dust/Jetting	
	Insulation class (IEC 85):	F	
	Others:		
	Net weight:	137 lb	
	Gross weight:	152 lb	
	Shipping volume:	8.26 ft ³	
	Country of origin:	US	
	Custom tariff no.:	8413.70.2040	



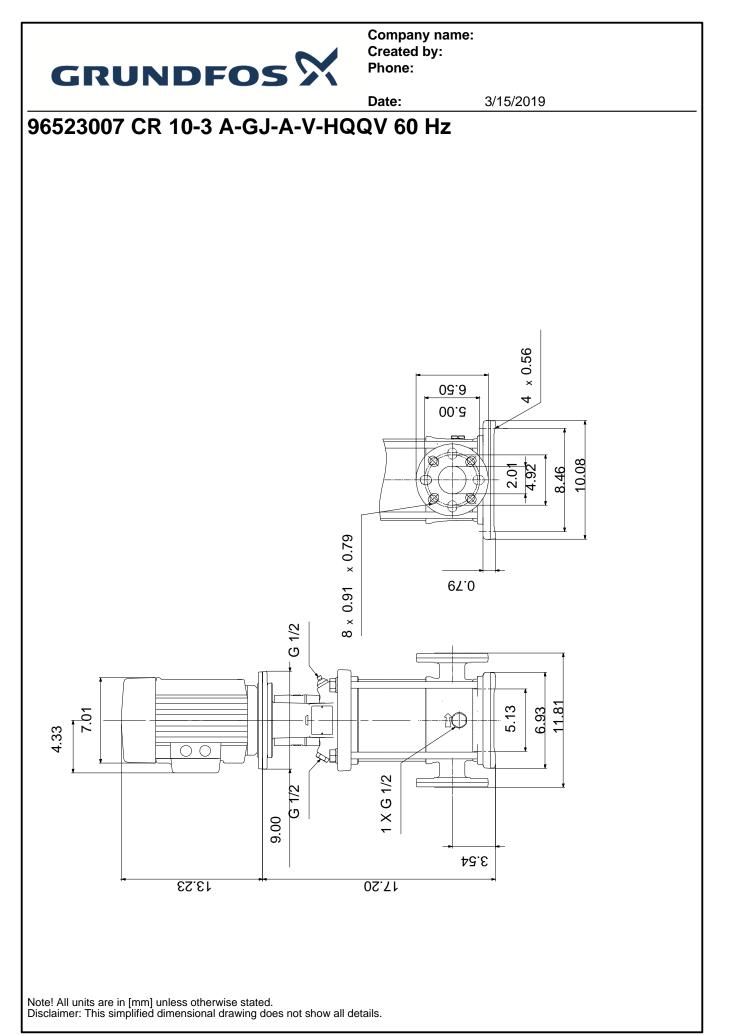


		Date:	3/1	5/2019		
Description	Value	H [ft]			CR 10-3, 60Hz	eta [%]
General information:						
Product name:	CR 10-3 A-GJ-A-V-HQQV					
Product No.:	96523007	140 -				
EAN:	5700396898209	140 -				
Technical:		·				1
Rated pump speed:	3461 rpm	120 -				
Rated flow:	53.3 US gpm					
Rated head:	114.2 ft	100 -				100
Head max:	145 ft					1
		80 -				- 80
Stages:	3					1
Impellers:	3	60 -				- 60
Number of reduced-diameter impellers	^{::} 0					
Low NPSH:	Ν	40 -				- 40
Pump orientation:	Vertical					1
Shaft seal arrangement:	Single	20-				- 20
Code for shaft seal:	HQQV					
Approvals on nameplate:	CURUS	· · ·				\bot_{0}
Curve tolerance:	ISO9906:2012 3B	o o	10 20 30) 40 5	0 Q [US gpm]	0
Pump version:	A	P [HP]				NPSH [ft]
Model:	A	· · · · · ·				+ "
Cooling:	TEFC	2.5 -			<u>P1</u>	- 25
Materials:		2.3			P2	
	Castiron	2.0 -			F 2	- 20
Base:	Cast iron	1.5 -				- 15
	EN 1561 EN-GJL-200					
	ASTM A48-25B	1.0				- 10
Impeller:	Stainless steel	0.5				- 5
	EN 1.4301					
	AISI 304	0.0				
Material code:	А		4 32			
Code for rubber:	V		4.33			
Bearing:	SIC	- [
Installation:						
Maximum ambient temperature:	140 °F	13.23				
Maximum operating pressure:	232 psi					
Max pressure at stated temperature:		9.00				
	232 psi / -4 °F	G	1/2 G 1/2			
Type of connection:	ANSI / JIS	50		0.91 × 0.79		
	DN 50	0724 <u>1 X C</u>	3 1/2		1	
Size of inlet connection:		· · ·			8 8	
Size of suction port:	2 inch	3.54	╟╢╴╝			
Size of outlet connection:	DN 50	• • • •	5.13	2.01	4 × 0.56	
Size of outlet port:	2 inch		<u>6.93</u> 11:81	4.92		
Pressure rating for pipe connection:	PN 25			10.08		
Flange rating inlet:	300 lb					
Flange size for motor:	182TC	-				
Connect code:	GJ					
Liquid:			MARNING			
Pumped liquid:	Water	MOTOR MUST	BE GROUNDED IN ACCORDANCE			
Liquid temperature range:	-4 194 °F	LOCAL CODES	ONAL ELECTRICAL CODE AND BY TRAINED PERSONNEL TO HOUS ELECTRICAL SHOCKS.			
Liquid temperature during operation:	68 °F	TO SERVICE N	IOTOR, DISCONNECT POWER			
Density:	62.29 lb/ft ³		M MOTOR AND ANY ACCESSORY ALLOW MOTOR TO COME TO A AND STILL			
Electrical data:	52.20 IS/IC	LOW VOL	HIGH VOLTA	AGE		
Motor standard:	NEMA	60Hz. 208-	230V 60Hz: 460V 50Hz: 400V	49		
	90FA	9 8	79	7		
Motor type:	NEMA Premium / IE3 60Hz	. 3♥ 2♥ L3 L2	1 3 2 1 L1	1 1 L1 28		
IE Efficiency class:			L3 L2	L1 ig		
Rated power - P2:	3 HP	.	WIRES TO REVERSE ROTATION			
	3 HP		anne a na abhar			
Power (P2) required by pump:						
Main frequency:	60 Hz					

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		Date:	
Description	Value		
Rated voltage:	3 x 208-230YY/460Y V	_	
Service factor:	1.15		
Rated current:	8,35-7,80/3,9 A		
Starting current:	940-1040 %		
Load current:	9,5-8,95/4,5 A		
Cos phi - power factor:	0.89-0.86		
Rated speed:	3510-3530 rpm		
IE efficiency:	IE3 86,5%		
Motor efficiency at full load:	86.5 %		
Motor efficiency at 3/4 load:	86.5 %		
Motor efficiency at 1/2 load:	84.0 %		
Number of poles:	2		
Enclosure class (IEC 34-5):	55 Dust/Jetting		
Insulation class (IEC 85):	F		
Motor protection:	NONE		
Motor Number:	85903977		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	137 lb		
Gross weight:	152 lb		
Shipping volume:	8.26 ft ³		
Country of origin:	US		
Custom tariff no.:	8413.70.2040		





Date: 3/15/2019 96523007 CR 10-3 A-GJ-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.