

Submittal Data

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

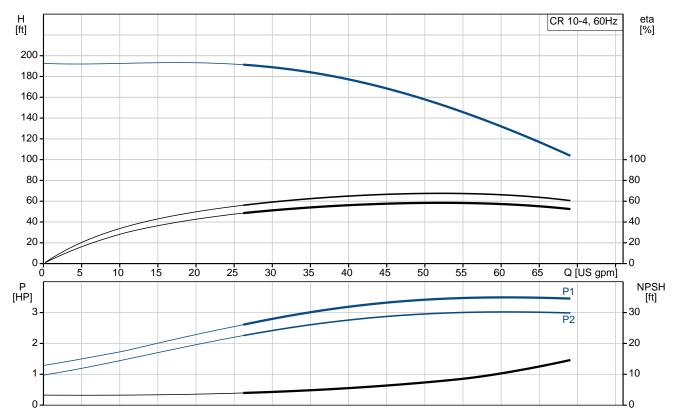


CR 10-4 A-GJ-A-V-HQQV

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)

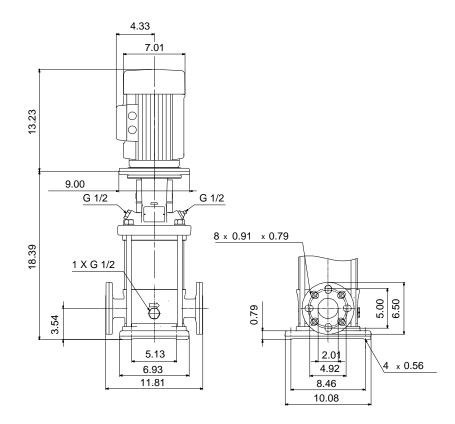
Product photo could vary from the actual product

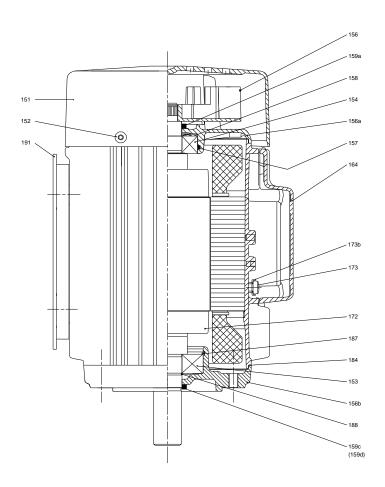
Conditions	of Service	Pump Data		Moto	or Data
Flow:		Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	3 HP
Head:		Liquid temperature range:	-4 194 °F	Rated voltage:	208-230YY/460Y V
Efficiency:		Maximum ambient temperature:	140 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS	Enclosure class:	55 Dust/Jetting
Temperature:	68 °F	Shaft seal:	HQQV	Insulation class:	F
NPSH required:	ft	Product number:	96523008	Motor protection:	NONE
Viscosity:				Motor type:	90FA
Specific Gravity:	1.000			Motor_efficiency:	86.5 %



Submittal Data







Mate	rials.
water	1015.

Base:

Impeller:

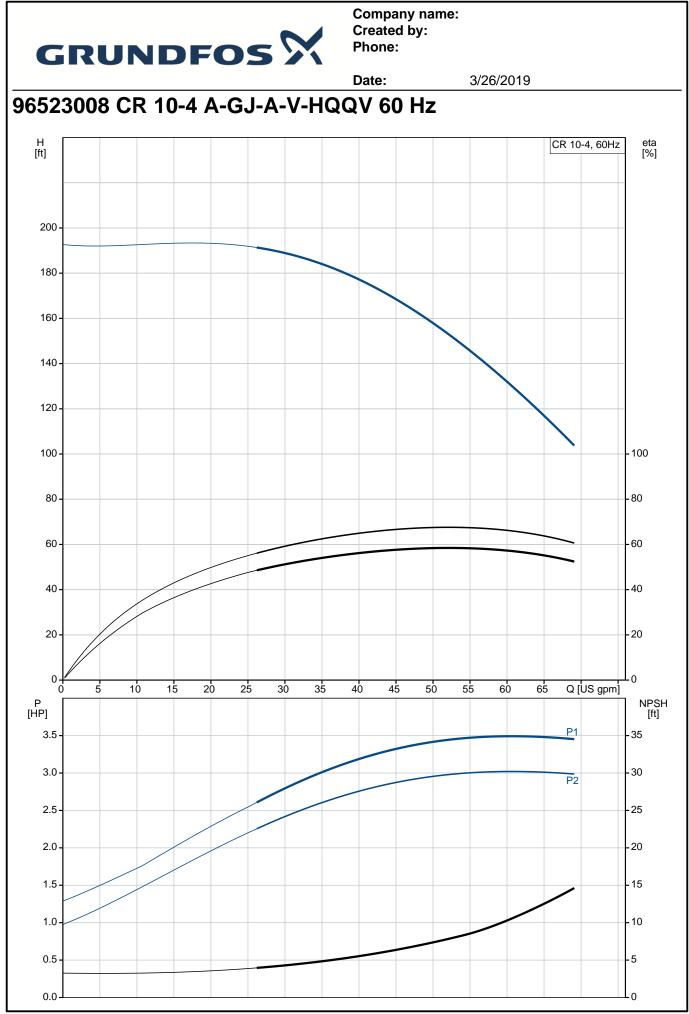
Material code: A Code for rubber: V

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:	3/26/2019
Count	Description			
1	CR 10-4 A-GJ-A-V-HQQV			
	Product No.: 96523008 Vertical, non-self-priming, multist centrifugal pump for installation i and mounting on a foundation. The pump has the following char	n pipe systems		
	 Impellers and intermediat The shaft seal has assem according to EN 12756. Power transmission is via 	e chambers are ma bly length	ide of	
	coupling. The motor is a 3-phase AC moto	r.		
	Controls: Frequency converter:	NONE		
	Liquid:			
	Pumped liquid:	Water		
	Liquid temperature range: Liquid temperature during operation Density:			
	Technical:			
	Rated pump speed:	3461 rpm		
	Rated flow:	53.3 US gpm		
	Rated head:	150.3 ft		
	Pump orientation: Shaft seal arrangement:	Vertical Single		
	Code for shaft seal:	HQQV		
	Approvals on nameplate:	CURUS		
	Curve tolerance:	ISO9906:2012 3B		
	Materials:			
	Base:	Cast iron EN 1561 EN-GJL- ASTM A48-25B	200	
	Impeller:	Stainless steel EN 1.4301 AISI 304		
	Bearing:	SIC		
	Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi	ŀ°F	
		232 psi / -4 ° ANSI / JIS		
	Type of connection:	AINOI / JIO		



ption inlet connection: suction port: outlet connection: outlet port: re rating for pipe connect rating inlet: size for motor:	DN 50 2 inch DN 50 2 inch tion: PN 25 300 lb	
suction port: outlet connection: outlet port: re rating for pipe connect rating inlet:	2 inch DN 50 2 inch tion: PN 25	
suction port: outlet connection: outlet port: re rating for pipe connect rating inlet:	2 inch DN 50 2 inch tion: PN 25	
outlet connection: outlet port: re rating for pipe connect rating inlet:	DN 50 2 inch tion: PN 25	
outlet port: re rating for pipe connect rating inlet:	2 inch tion: PN 25	
re rating for pipe connect rating inlet:	tion: PN 25	
rating inlet:		
	182TC	
cal data:		
standard:	NEMA	
ype:	90FA	
iency class:	NEMA Premium / IE3 60Hz	
voltage:	3 x 208-230YY/460Y V	
e factor:	1.15	
current:	8,35-7,80/3,9 A	
	940-1040 %	
	2	
ure class (IEC 34-5):	55 Dust/Jetting	
	F	
:		
ight:	139 lb	
	154 lb	
	8.26 ft ³	
rtanin no	0413.70.2040	
	<pre>Notes of the second secon</pre>	bower - P2: 3 HP (P2) required by pump: 3 HP equency: 60 Hz voltage: 3 x 208-230YY/460Y V a factor: 1.15 current: 8,35-7,80/3,9 A g current: 940-1040 % i - power factor: 0.89-0.86 speed: 3510-3530 rpm iency: IE3 86,5% efficiency at full load: 86.5 % efficiency at 3/4 load: 86.5 % efficiency at 1/2 load: 84.0 % er of poles: 2 ure class (IEC 34-5): 55 Dust/Jetting on class (IEC 85): F sight: 139 lb weight: 154 lb ng volume: 8.26 ft ³ y of origin: US



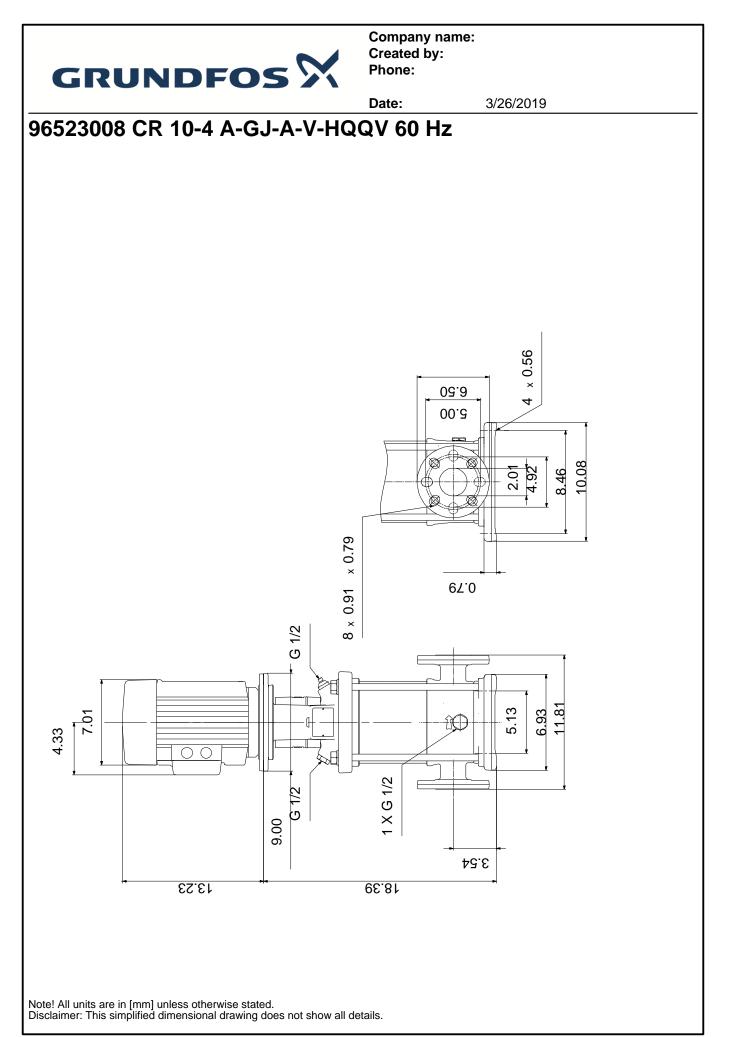


		н Г				CR 10-4, 60Hz	leta
Description	Value	H [ft]				UHZ	eta [%]
General information:							
Product name:	CR 10-4 A-GJ-A-V-HQQV	200 -					1
Product No.:	96523008	180 -					
EAN:	5700396898223	100-					
Technical:	3161 mm	160 -			\sim		1
Rated pump speed: Rated flow:	3461 rpm						
Rated flow: Rated head:	53.3 US gpm	140 -					
Rated head: Head max:	150.3 ft	120 -					-
	192.6 ft						
Stages:	4	100 -					- 100
Impellers: Number of reduced-diameter impellers		80 -					- 80
Number of reduced-diameter impellers	· 0			-			
Low NPSH:	Ν	60 -					- 60
Pump orientation:	Vertical	40 -					40
Shaft seal arrangement:	Single						
Code for shaft seal:	HQQV	20 -					- 20
Approvals on nameplate:	CURUS	° +	/				\int_{0}
Curve tolerance:	ISO9906:2012 3B	Ō	10 20	0 30 40	0 50	Q [US gpm]	-
Pump version:	A	P [HP]				P1	NPSH [ft]
Model:	A						- ¹¹
Cooling:	TEFC	3.0 -				P2	- 30
Materials:	~	2.5 -					- 25
Base:	Cast iron	2.0 -					- 20
-	EN 1561 EN-GJL-200						
	ASTM A48-25B	1.5 -					- 15
Impeller:	Stainless steel	1.0 -				$\checkmark \vdash$	- 10
	EN 1.4301	0.5 -					-5
	AISI 304	0.0					Lo
Material code:	AISI 304 A	 					
Code for rubber:	V		4.33				
Bearing:	SIC	-	7.01	1			
Installation:	0.0	Ţ		H			
Maximum ambient temperature:	140 °F	13.23					
Maximum operating pressure:	232 psi	-	Ţ	Ļ			
Maximum operating pressure. Max pressure at stated temperature:	232 psi / 194 °F	↓	9.00				
in portant at oracion temperature.	232 psi / -4 °F		<u>G 1/2</u>	<u>G 1/2</u>			
Type of connection:	ANSI / JIS	18.39	T	<u>8 × 0.91 × 0.79</u>	7		
Size of inlet connection:	DN 50	18,	<u>1 X G 1/2</u>][
Size of suction port:	2 inch					6.50	
Size of outlet connection:	DN 50			₽ ₽ ° ₽	±₽¥¥	<u></u>	
Size of outlet port:	2 inch		5.13	-] `∥	2.01	4 × 0.56	
Pressure rating for pipe connection:	PN 25		11:81		8.46	ļ	
Flange rating inlet:	300 lb			-			
Flange size for motor:	182TC						
Connect code:	GJ						
Liquid:		Г <u> </u>	A WARN	VING			
Pumped liquid:	Water	MOT	OR MUST BE GROUNDED IN	ACCORDANCE			
Liquid temperature range:	-4 194 °F	WITH LOCA	THE NATIONAL ELECTRICA AL CODES BY TRAINED PER:	AL CODE AND SONNEL TO			
Liquid temperature during operation:	-4194 F 68 °F	то s	/ENT SERIOUS ELECTRICAL ERVICE MOTOR, DISCONNE	ECT POWER			
Density:	62.29 lb/ft ³	SOU	RCE FROM MOTOR AND ANY CES AND ALLOW MOTOR TO	Y ACCESSORY			
Electrical data:			PLETE STAND STILL.	HIGH VOLTAGE 60Hz: 460V			
Motor standard:	NEMA		50Hz. 208-230V	60Hz: 460V 50Hz: 400V 5● 5● 4●			
Motor type:	90FA	99	8 7 0	● 8● 7●			
IE Efficiency class:	NEMA Premium / IE3 60Hz	3 • L3		3 € 2 € 1 € L3 L2 L1 8			
·	3 110	F	INTERCHANGE ANY TW WHEN TO BEYTRIESE BO THERMOSTAT LEADS (WHEN DECOMPED)				
Rated power - P2:	3 HP		(WHEN PROVIDED)	i			
Power (P2) required by pump:	3 HP						
Main frequency:	60 Hz						

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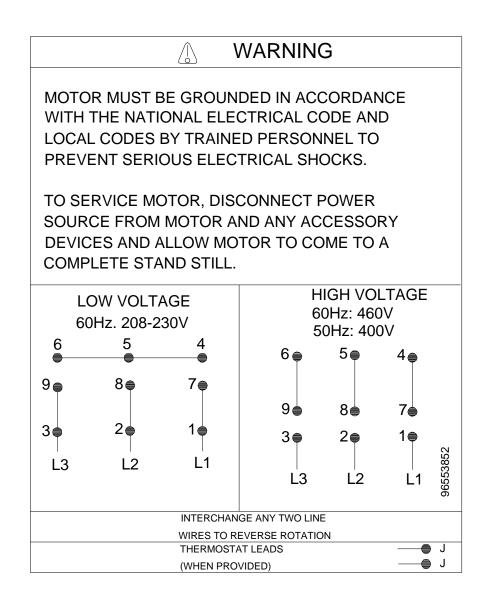


		Date:	
Description	Value		
Rated voltage:	3 x 208-230YY/460Y V	_	
Service factor:	1.15		
Rated current:	8,35-7,80/3,9 A		
Starting current:	940-1040 %		
Load current:	9,5-8,95/4,5 A		
Cos phi - power factor:	0.89-0.86		
Rated speed:	3510-3530 rpm		
IE efficiency:	IE3 86,5%		
Motor efficiency at full 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:	139 lb		
Gross weight:	154 lb		
Shipping volume:	8.26 ft ³		
Country of origin:	US		
Custom tariff no .:	8413.70.2040		





Date: 3/26/2019 96523008 CR 10-4 A-GJ-A-V-HQQV 60 Hz



All units are [mm] unless otherwise presented.