

Submittal Data

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

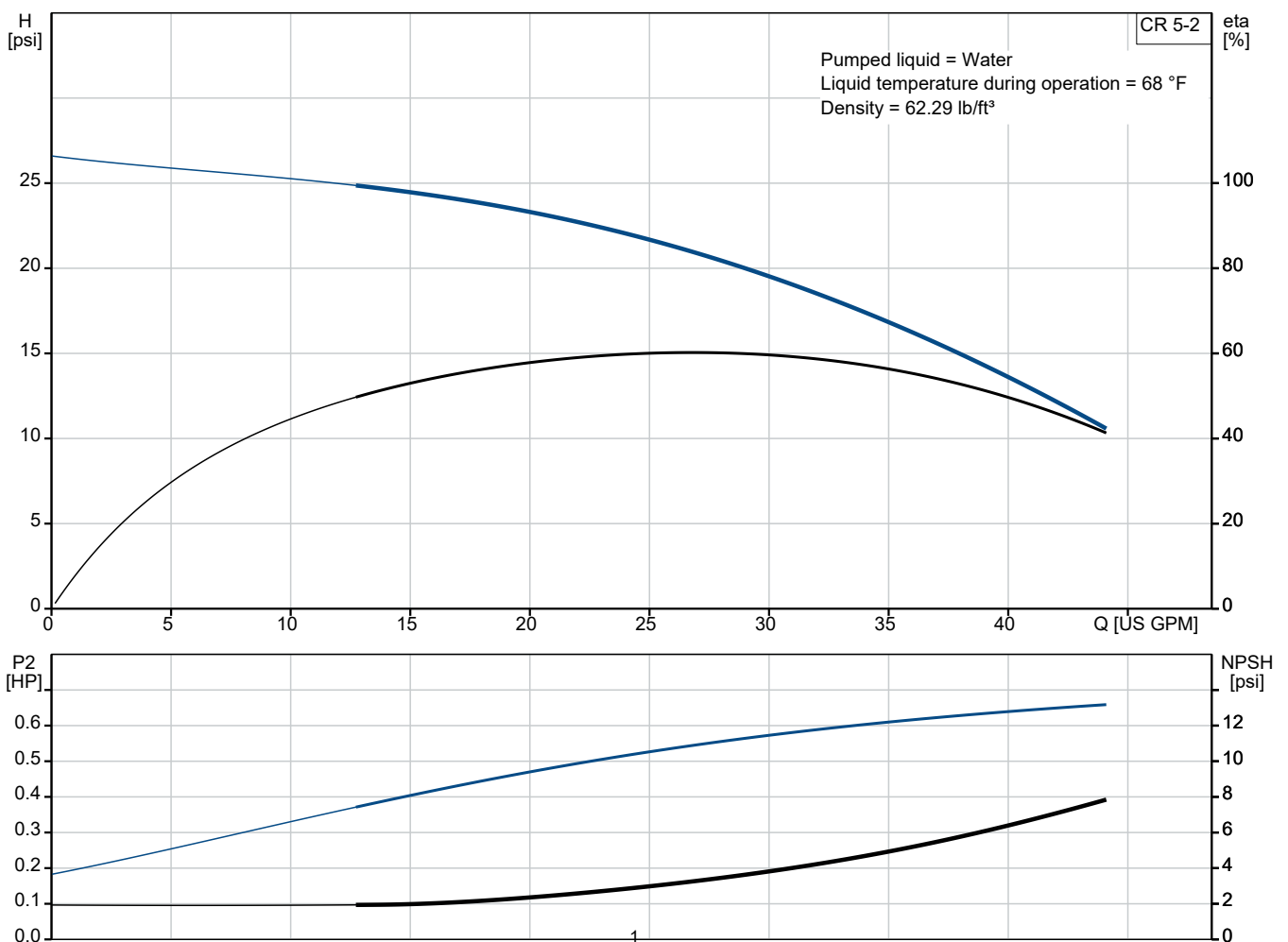


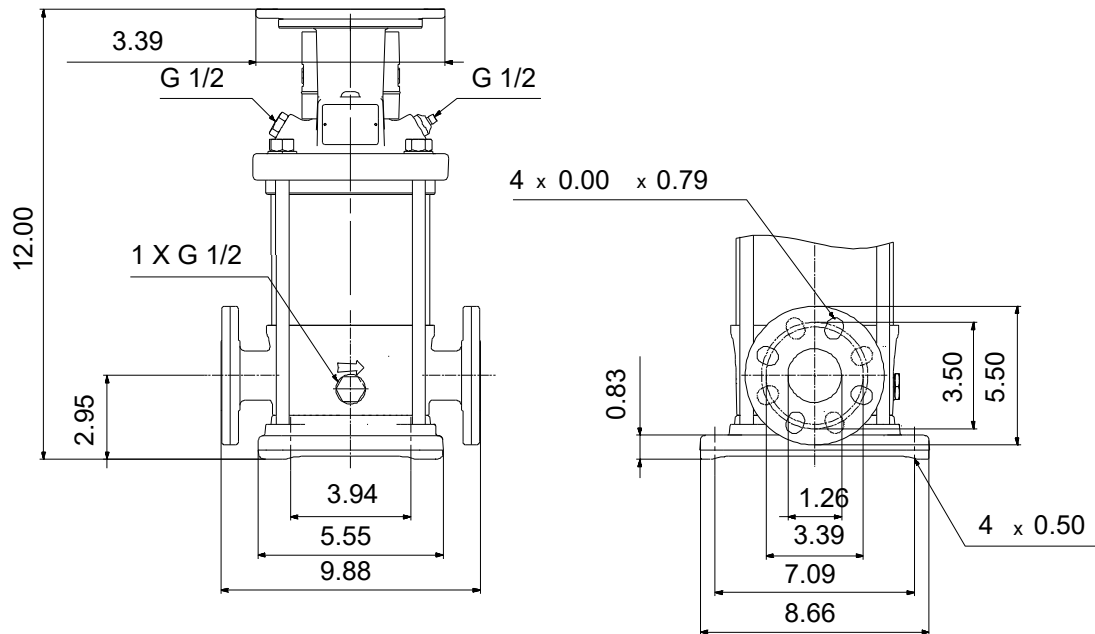
Note! Product picture may differ from actual product

CR 5-2 A-FGJ-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)

Conditions of Service		Pump Data		Motor Data	
Liquid:	Water	Max pressure at stated temp:	363 psi / 194 °F	Mains frequency:	60 Hz
Temperature:	68 °F	Liquid temperature range:	-4 .. 194 °F		
Specific Gravity:	1.000	Shaft seal:	HQQV		
		Product number:	96084326		





Base: Cast iron
EN 1561 EN-GJL-200
ASTM A48-25B

Impeller: Stainless steel
AISI 304
EN 1.4301

Material code: A

Code for rubber: V

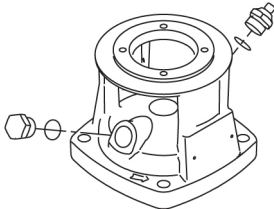
Project:

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Qty.	Description
1	CR 5-2 A-FGJ-A-V-HQQV  Note! Product picture may differ from actual product Product No.: 96084326 Pump without motor Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via combined DIN-ANSI-JIS flanges. Further product details Steel, cast iron and aluminium components have an epoxy-based coating made in a cathodic electro-deposition (CED) process. CED is a high-quality dip-painting process where an electrical field around the products ensures deposition of paint particles as a thin, well-controlled layer on the surface. An integral part of the process is a pretreatment. The entire process consists of these elements: 1) Alkaline-based cleaning. 2) Zinc phosphating. 3) Cathodic electro-deposition. 4) Curing to a dry film thickness 18-22 my m. The colour code for the finished product is NCS 9000/RAL 9005. Pump The pump head, pump head cover and flange for motor mounting is made in one piece. The pump head has a combined 1/2" priming plug and vent screw.  The pump is fitted with a balanced O-ring seal unit with a rigid torque-transmission system. This seal type is assembled in a cartridge unit which makes replacement safe and easy. Due to the balancing, this seal type is suitable for high-pressure applications. The cartridge construction also protects the pump shaft from possible wear from a dynamic O-ring between pump shaft and shaft seal. Seal faces: • Rotating seal ring material: silicon carbide (SiC) • Stationary seat material: silicon carbide (SiC) This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

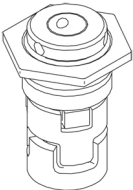
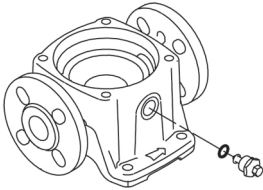
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Qty.	Description
1	Secondary seal material: FKM (fluorocarbon rubber) FKM has excellent resistance to oils and chemicals. Above 90 °C, FKM should only be used in media without water.  The shaft seal is screwed into the pump head. The chambers and impellers are made of stainless-steel sheet. The chambers are provided with a PTFE neck ring offering improved sealing and high efficiency. The impellers have smooth surfaces, and the shape of the blades ensure a high efficiency. The base is made of cast iron. The flanges and base are cast in one piece. The outlet side of the base has a combined drain plug and bypass valve. The pump is secured to the foundation by four bolts through the base plate.  Motor The pump is sold without motor. Technical data Liquid: Pumped liquid: Water Liquid temperature range: -4 .. 194 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Technical: Pump speed on which pump data are based: 3439 rpm Rated flow: 30.4 US GPM Rated head: 18.32 psi Actual impeller diameter: 2.88 in Pump orientation: Vertical Shaft seal arrangement: Single Primary shaft seal: HQQV Code for shaft seal: HQQV Approvals: CE Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel



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Qty.	Description
1	EN 1.4301 AISI 304 SIC Bearing: Installation: Maximum operating pressure: 362.59 psi Max pressure at stated temp: 363 psi / 194 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 1 1/4 inch Size of outlet connection: DN 25/32 1 1/4 inch Pressure rating for connection: PN 25 Flange rating inlet: 250 lb Flange size for motor: 56C Electrical data: Motor standard: NEMA Power (P2) required by pump: 0.75 HP Controls: Frequency converter: None Others: DOE Pump Energy Index CL: 0.89 Net weight: 39.7 lb Gross weight: 50.7 lb Shipping volume: 4.94 ft³ Country of origin: US Custom tariff no.: 8413.70.2040



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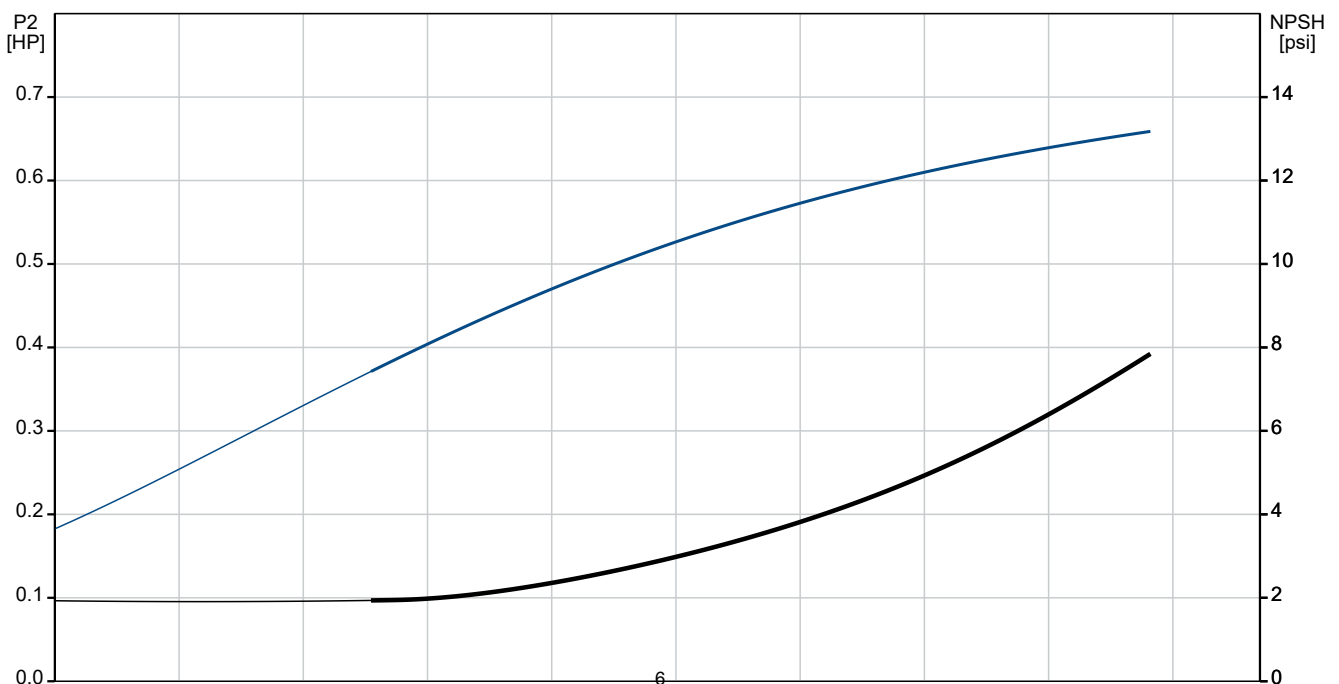
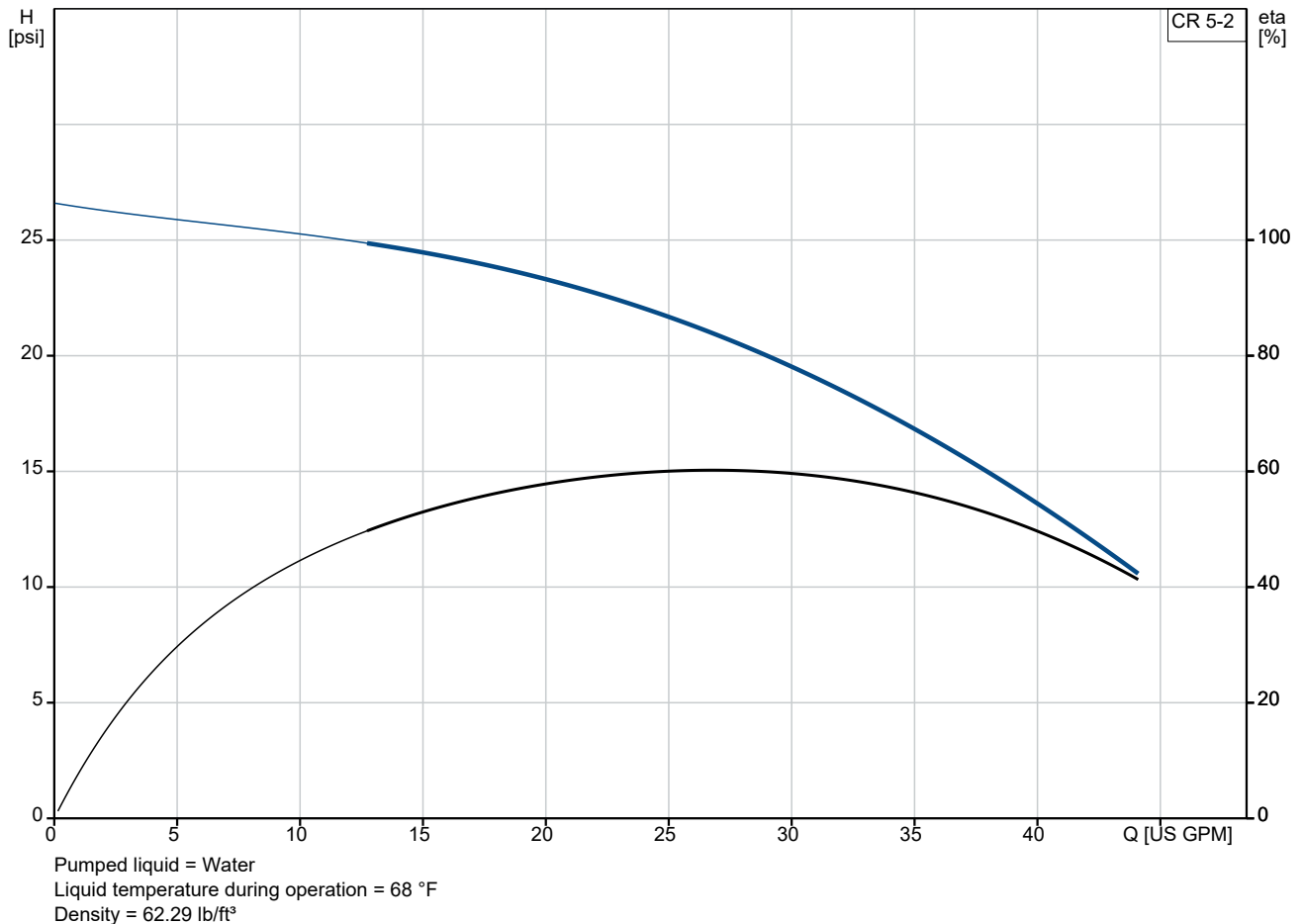
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96084326 CR 5-2 A-FGJ-A-V-HQQV 60 Hz



Project:

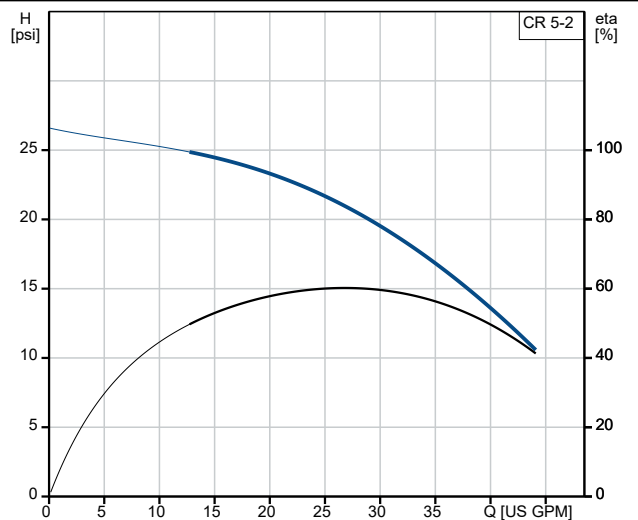
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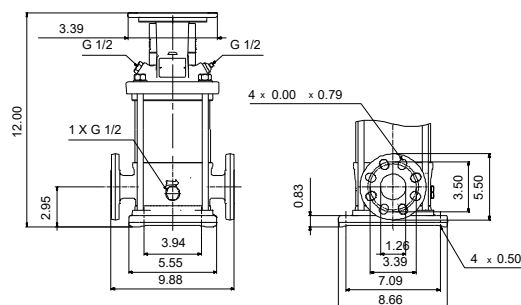
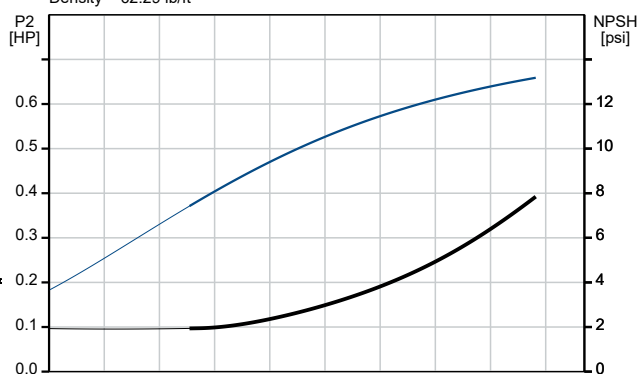
Client Number:

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Description	Value
General information:	
Product name:	CR 5-2 A-FGJ-A-V-HQQV
Product No:	96084326
EAN number:	5700395191646
Technical:	
Pump speed on which pump data are based:	3439 rpm
Rated flow:	30.4 US GPM
Rated head:	18.32 psi
Maximum head:	29.11 psi
Actual impeller diameter:	2.88 in
Stages:	2
Impellers:	2
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Primary shaft seal:	HQQV
Code for shaft seal:	HQQV
Approvals:	CE
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	V
Bearing:	SIC
Installation:	
Maximum operating pressure:	362.59 psi
Max pressure at stated temp:	363 psi / 194 °F 363 psi / -4 °F
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 25/32 1 1/4 inch
Size of outlet connection:	DN 25/32 1 1/4 inch
Pressure rating for connection:	PN 25
Flange rating inlet:	250 lb
Flange size for motor:	56C
Connect code:	FGJ
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 194 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor standard:	NEMA
Power (P2) required by pump:	0.75 HP



Pumped liquid = Water
Liquid temperature during operation = 68 °F
Density = 62.29 lb/ft³





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Description	Value
Controls:	
Frequency converter:	None
Others:	
DOE Pump Energy Index CL:	0.89
Net weight:	39.7 lb
Gross weight:	50.7 lb
Shipping volume:	4.94 ft³
Country of origin:	US
Custom tariff no.:	8413.70.2040



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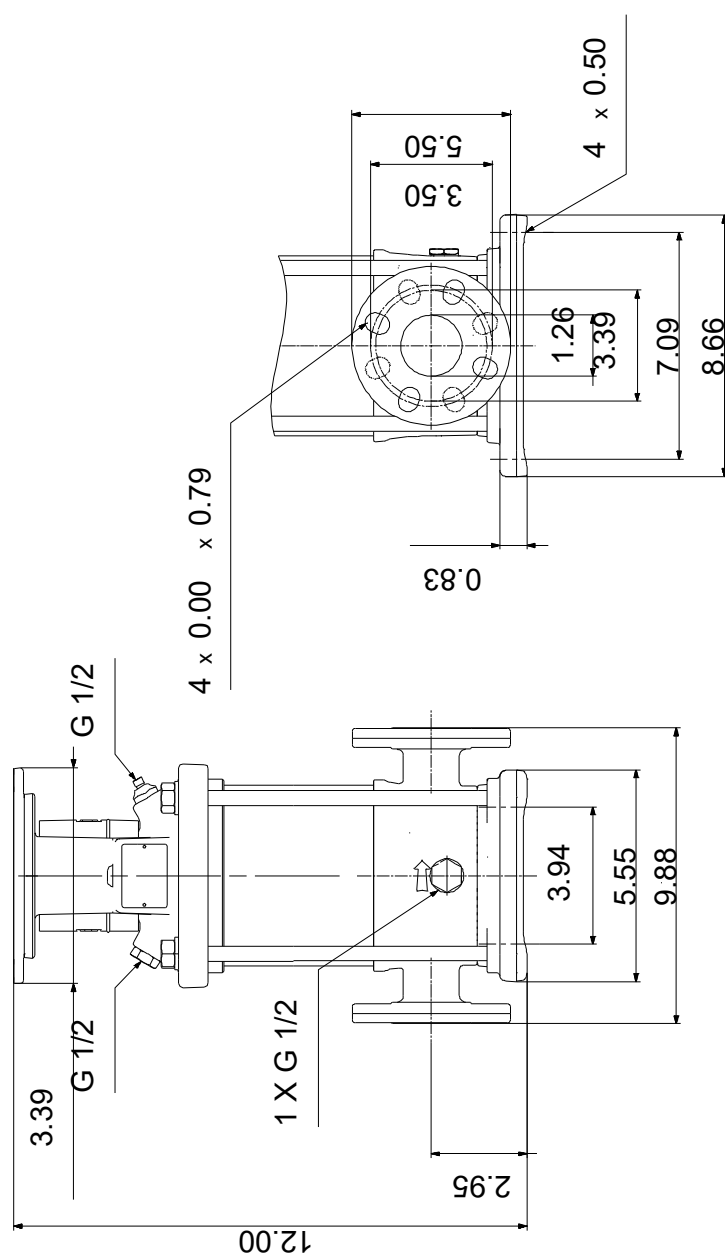
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96084326 CR 5-2 A-FGJ-A-V-HQQV 60 Hz



Note! All units are in [in] unless others are stated.

Disclaimer: This simplified dimensional drawing does not show all details.