

# Submittal Data

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

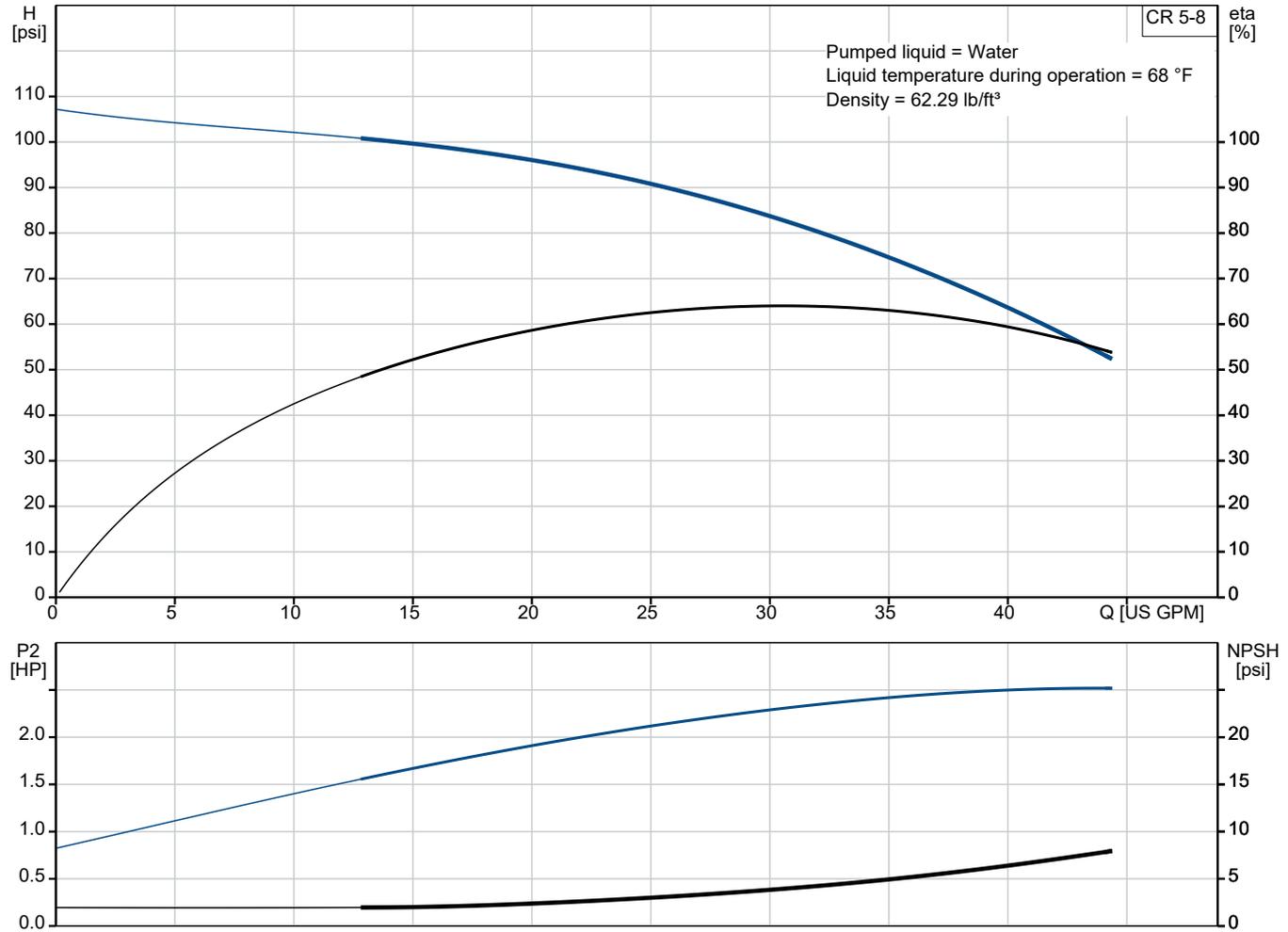


## CR 5-8 A-FGJ-A-V-HQQV

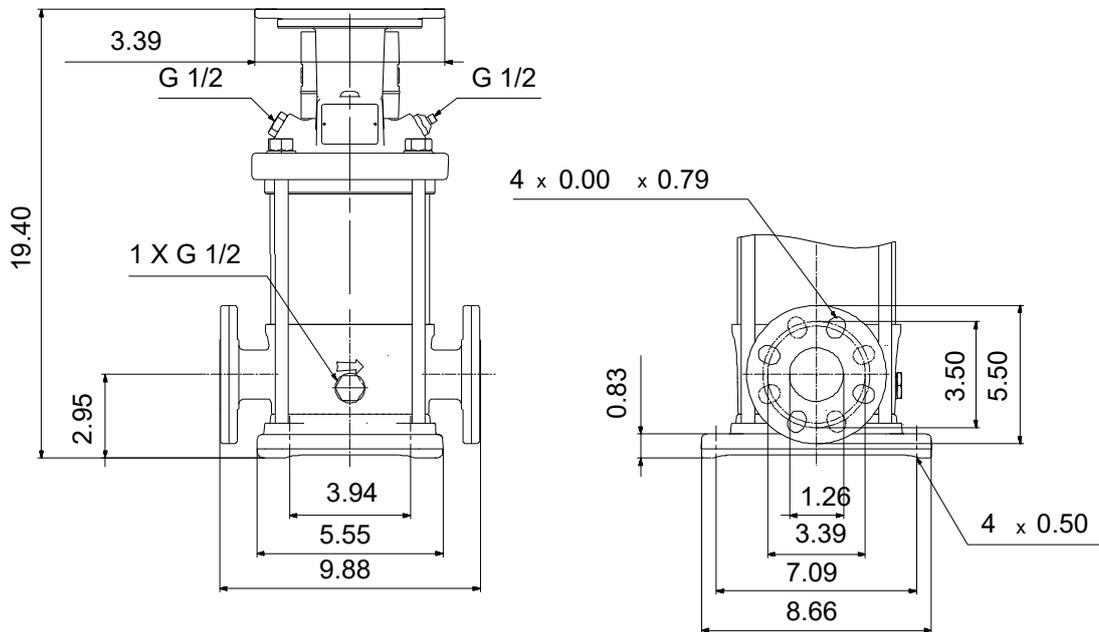
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

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: 96084332	



# Submittal Data



## Materials:

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

**Qty. Description**

1 CR 5-8 A-FGJ-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: [96084332](#)

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.

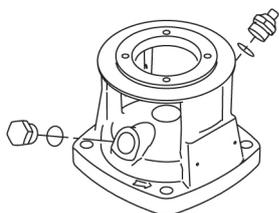
The entire process consists of these elements:

- 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)

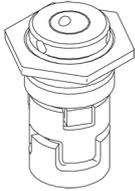
This material pairing is used where higher corrosion resistance is required. The high hardness of this material pairing offers good resistance against abrasive particles.

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.

**Qty. Description**

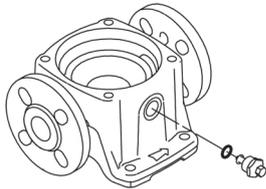
1



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: 3461 rpm  
 Rated flow: 30.4 US GPM  
 Rated head: 84.91 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  
 EN 1.4301  
 AISI 304  
 Bearing: SIC

**Installation:**

Maximum operating pressure: 362.59 psi



Company name:

Created by:

Phone:

Date:

23/09/2025

**Qty. Description**

1	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:	182TC
	Electrical data:	
	Motor standard:	NEMA
	Power (P2) required by pump:	3 HP
	Controls:	
	Frequency converter:	None
	Others:	
	DOE Pump Energy Index CL:	0.89
	Net weight:	52.6 lb
	Gross weight:	67.1 lb
	Shipping volume:	4.94 ft <sup>3</sup>
	Country of origin:	US
	Custom tariff no.:	8413.70.2040



Company name:

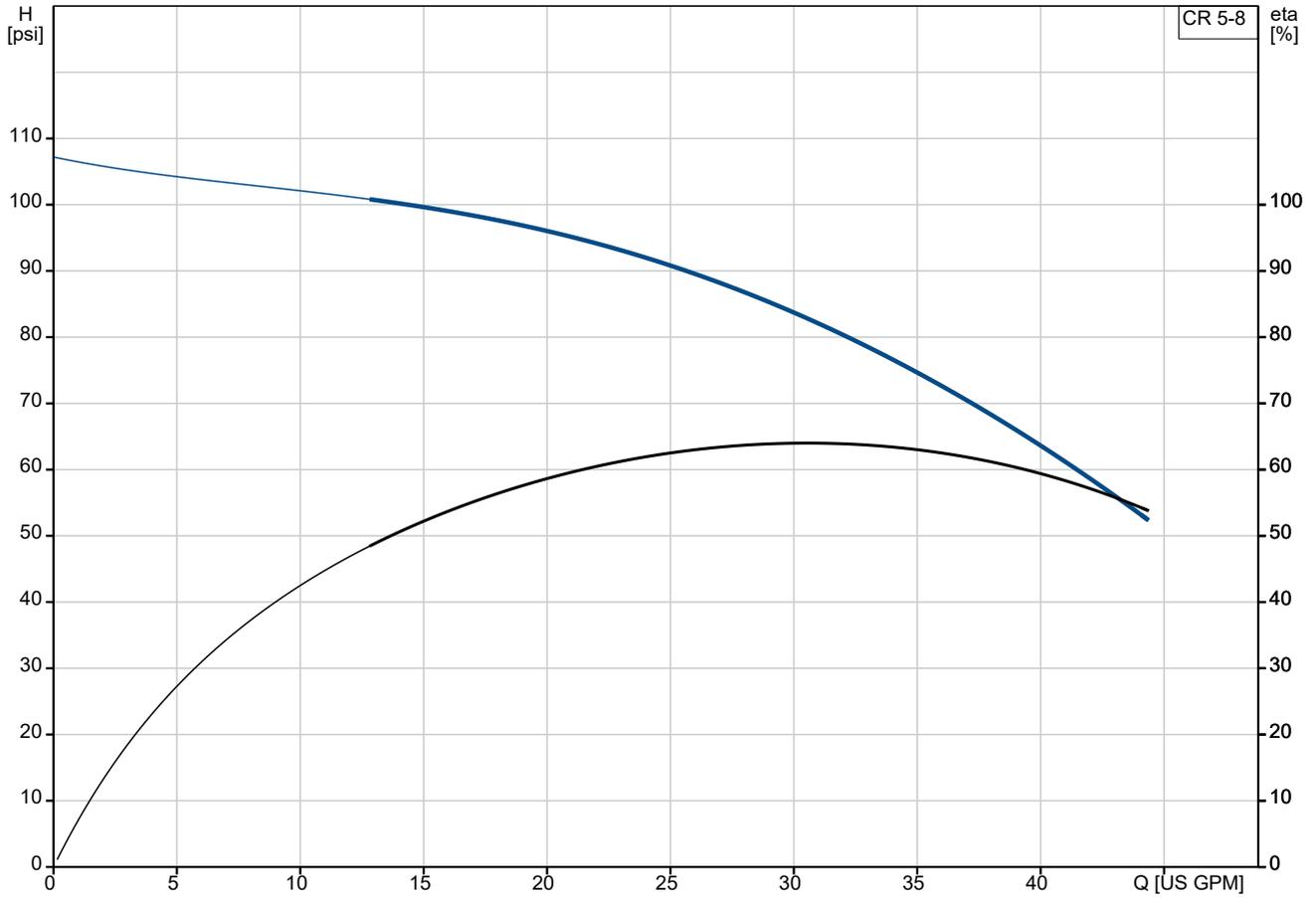
Created by:

Phone:

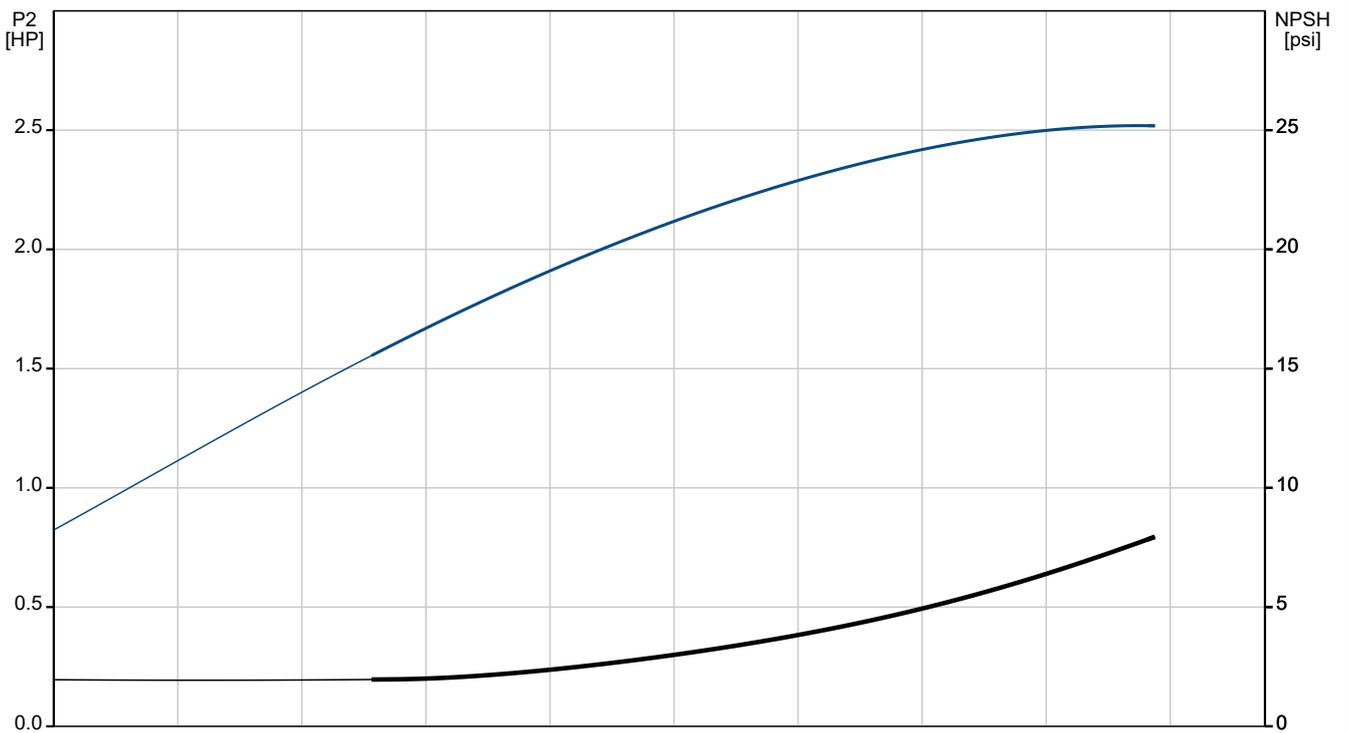
Date:

23/09/2025

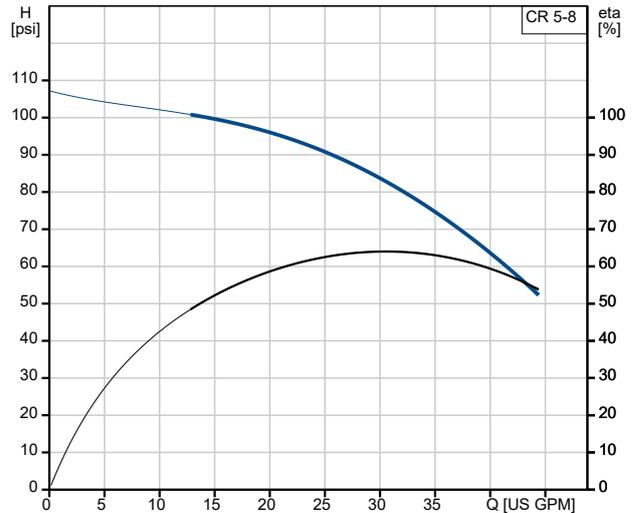
### 96084332 CR 5-8 A-FGJ-A-V-HQQV 60 Hz



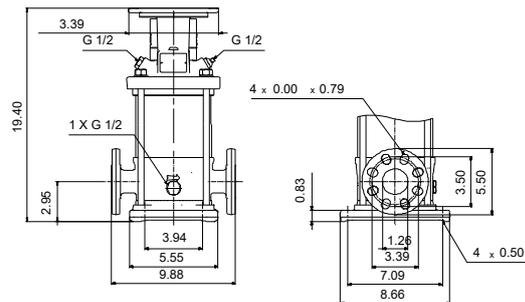
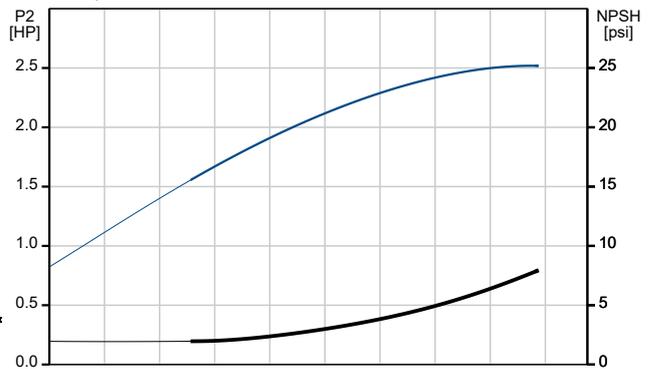
Pumped liquid = Water  
Liquid temperature during operation = 68 °F  
Density = 62.29 lb/ft<sup>3</sup>



Description	Value
<b>General information:</b>	
Product name:	CR 5-8 A-FGJ-A-V-HQQV
Product No:	96084332
EAN number:	5700395191707
Price:	\$ 2965
<b>Technical:</b>	
Pump speed on which pump data are based:	3461 rpm
Rated flow:	30.4 US GPM
Rated head:	84.91 psi
Maximum head:	118.1 psi
Actual impeller diameter:	2.88 in
Stages:	8
Impellers:	8
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
<b>Materials:</b>	
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
<b>Installation:</b>	
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:	182TC
Connect code:	FGJ
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 194 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
Motor standard:	NEMA
Power (P2) required by pump:	3 HP
<b>Controls:</b>	
Frequency converter:	None



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





Company name:

Created by:

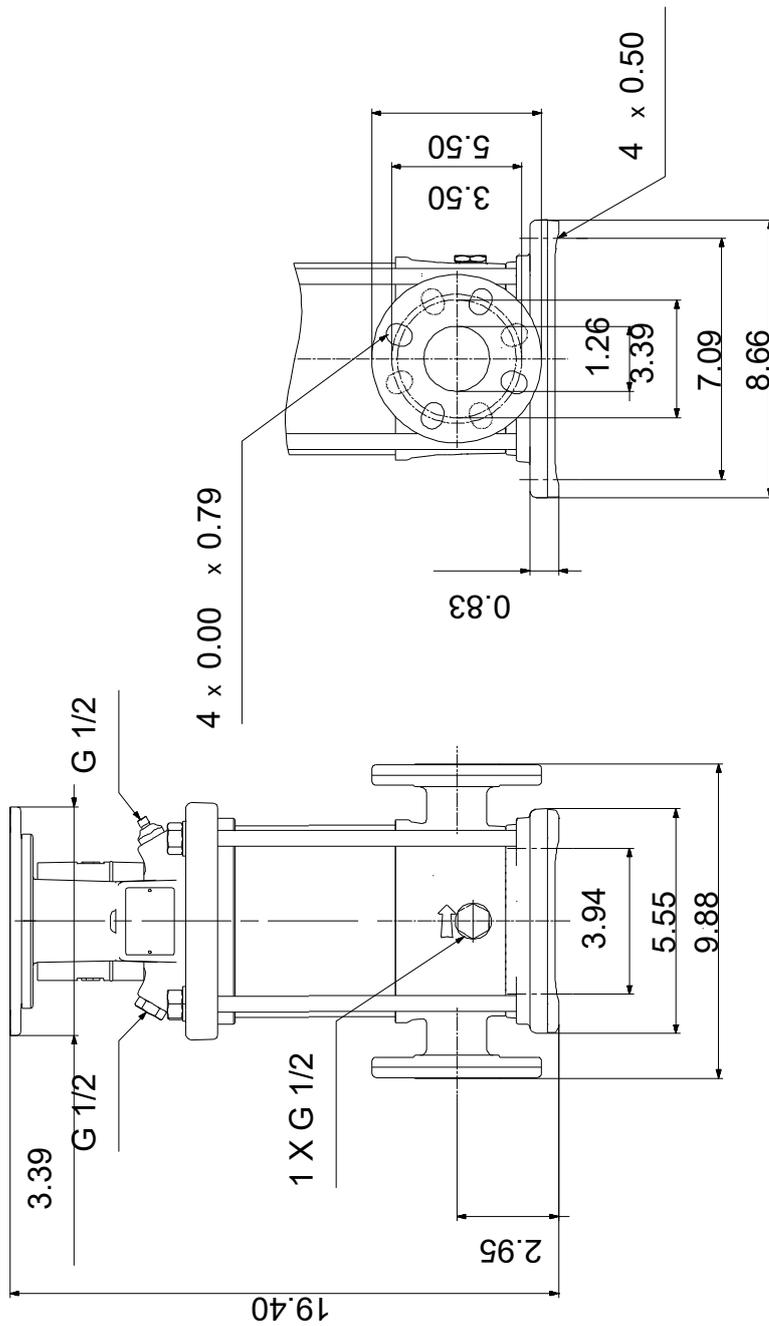
Phone:

Date:

23/09/2025

Description	Value
<b>Others:</b>	
DOE Pump Energy Index CL:	0.89
Net weight:	52.6 lb
Gross weight:	67.1 lb
Shipping volume:	4.94 ft <sup>3</sup>
Country of origin:	US
Custom tariff no.:	8413.70.2040

**96084332 CR 5-8 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.

