

## Submittal Data

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

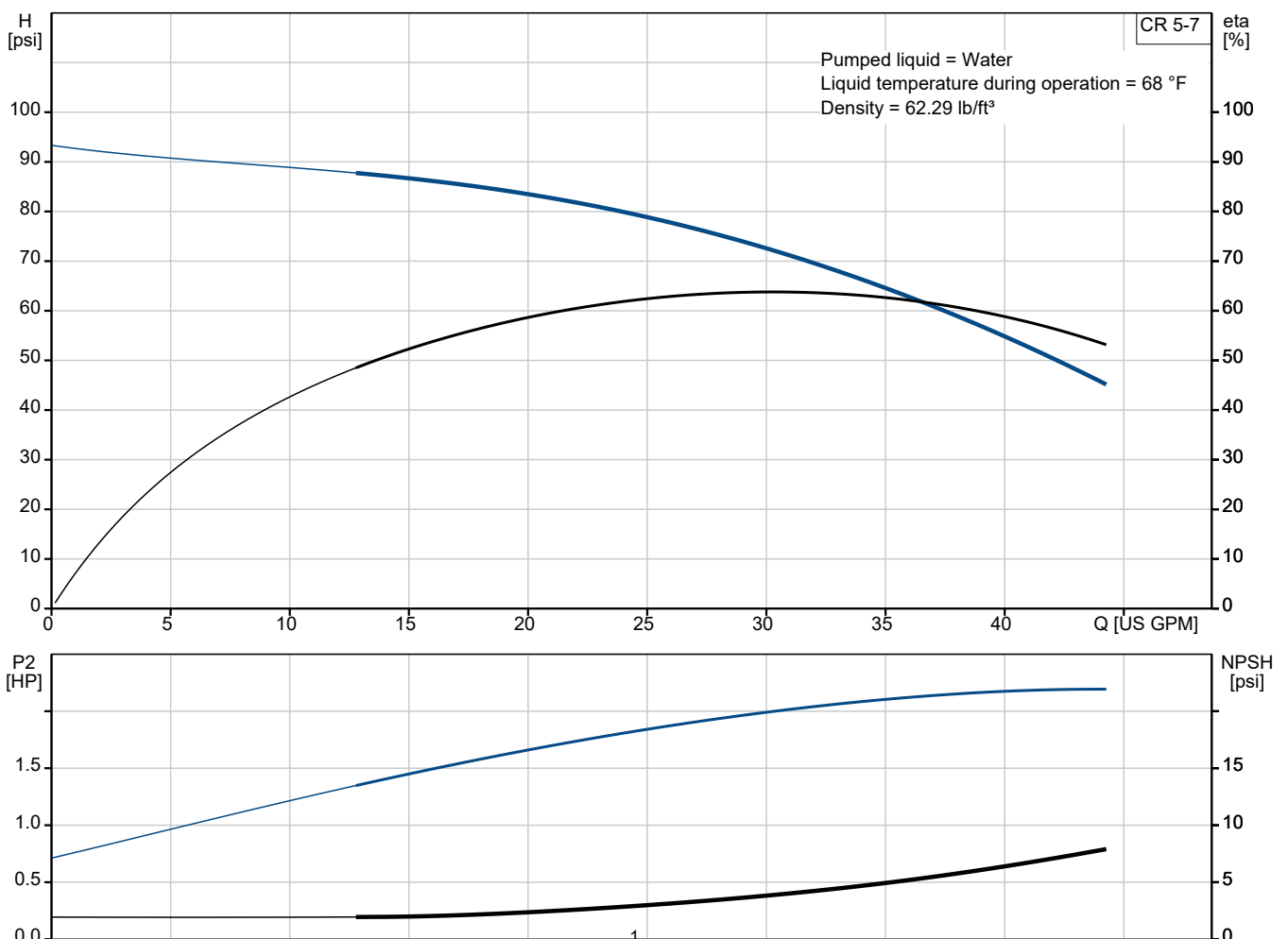


Note! Product picture may differ from actual product

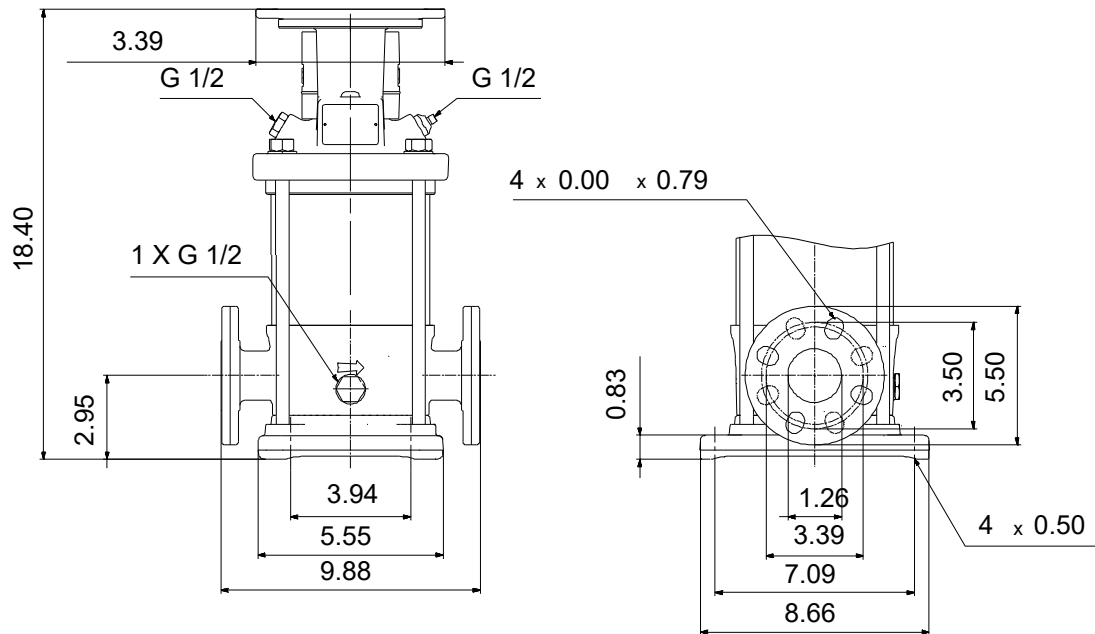
CR 5-7 A-FGJ-A-E-HQQE

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 / 250 °F	Mains frequency:	60 Hz
Temperature:	68 °F	Liquid temperature range:	-4 .. 248 °F		
Specific Gravity:	1.000	Shaft seal:	HQQE		
		Product number:	91129363		



# 



### 

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: E

Project:

Reference Number:

Client:

Client Number:

Contact:

Qty. Description

1 CR 5-7 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: [91129363](#)

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.

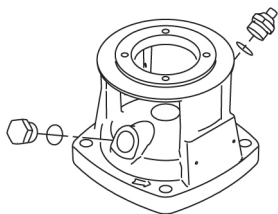
The entire process consists of these elements:

- 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.

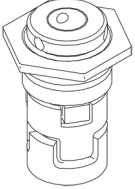
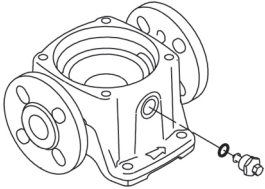
Project:

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Qty.	Description
1	<p>Secondary seal material: EPDM (ethylene-propylene rubber) EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.</p>  <p>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.</p> <p>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.</p>  <p><b>Motor</b> The pump is sold without motor.</p> <p><b>Technical data</b></p> <p>Liquid: Pumped liquid: Water Liquid temperature range: -4 .. 248 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft<sup>3</sup></p> <p>Technical: Pump speed on which pump data are based: 3452 rpm Rated flow: 30.4 US GPM Rated head: 73.69 psi Actual impeller diameter: 2.88 in Pump orientation: Vertical Shaft seal arrangement: Single Primary shaft seal: HQQE Code for shaft seal: HQQE Approvals: CE Approvals for drinking water: NSF/ANSI 61 Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel</p>



Company name:

Created by:

Phone:

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Qty.	Description
1	<div>EN 1.4301</div> <div>AISI 304</div> <div>Bearing: SIC</div> <div>Installation:</div> <div>Maximum operating pressure: 362.59 psi</div> <div>Max pressure at stated temp: 363 psi / 250 °F</div> <div>363 psi / -4 °F</div> <div>Type of connection: DIN / ANSI / JIS</div> <div>Size of inlet connection: DN 25/32</div> <div>1 1/4 inch</div> <div>Size of outlet connection: DN 25/32</div> <div>1 1/4 inch</div> <div>Pressure rating for connection: PN 25</div> <div>Flange rating inlet: 250 lb</div> <div>Flange size for motor: 182TC</div> <div>Electrical data:</div> <div>Motor standard: NEMA</div> <div>Power (P2) required by pump: 3 HP</div> <div>Controls:</div> <div>Frequency converter: None</div> <div>Others:</div> <div>DOE Pump Energy Index CL: 0.89</div> <div>Net weight: 51.4 lb</div> <div>Gross weight: 65.9 lb</div> <div>Shipping volume: 4.94 ft³</div> <div>Country of origin: US</div> <div>Custom tariff no.: 8413.70.2040</div>



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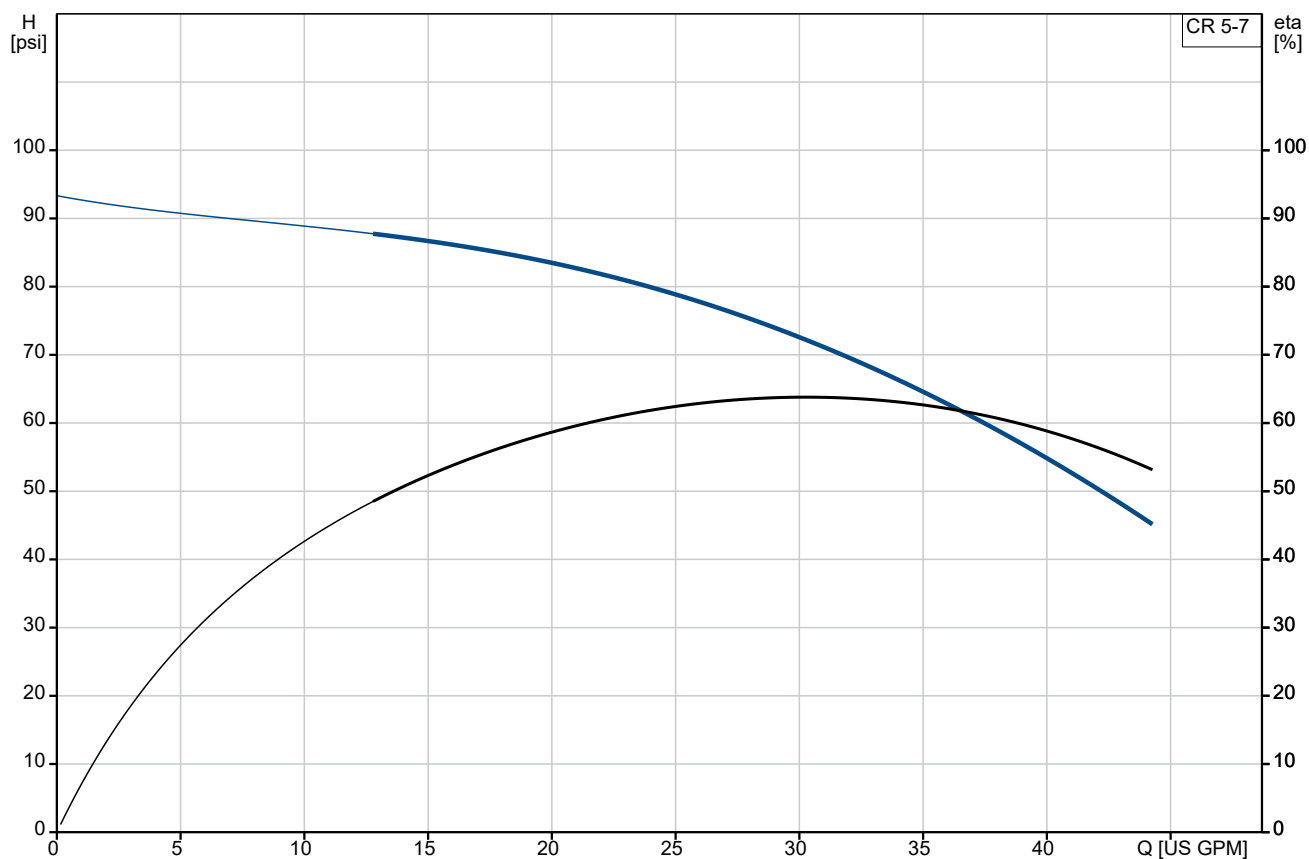
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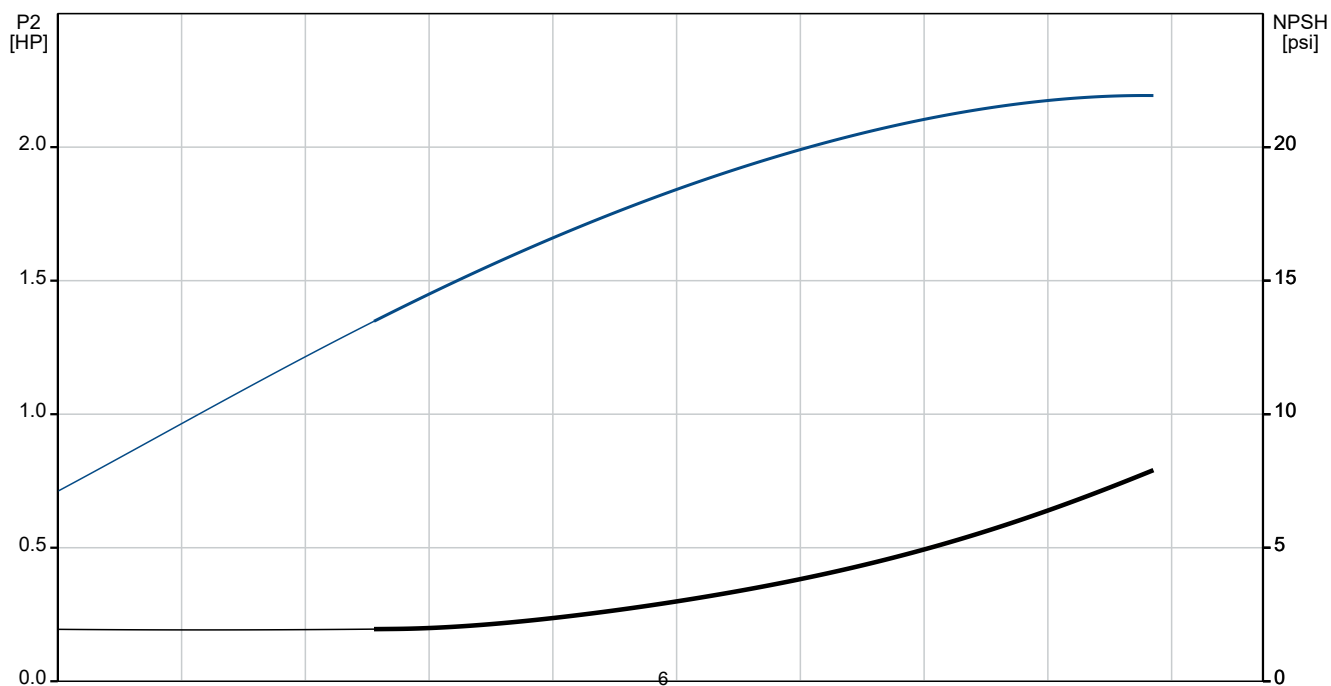
## 91129363 CR 5-7 A-FGJ-A-E-HQQE 60 Hz



Pumped liquid = Water

Liquid temperature during operation = 68 °F

Density = 62.29 lb/ft³



**Project:**

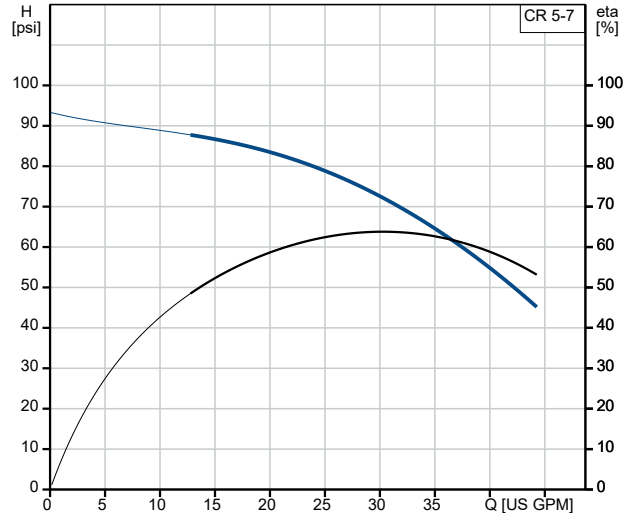
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**Client:**

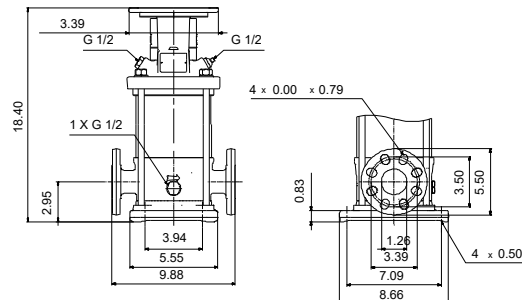
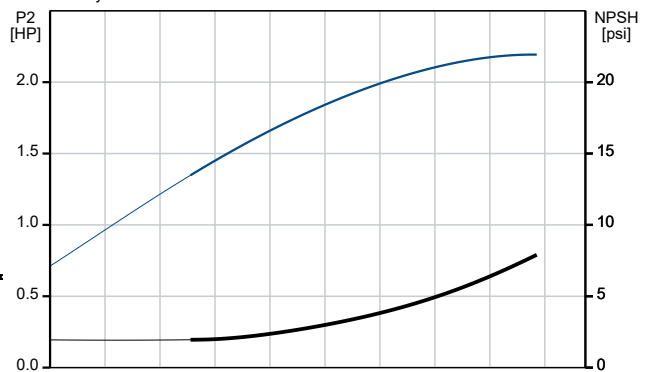
Client Number:

Contact:

Description	Value
<b>General information:</b>	
Product name:	CR 5-7 A-FGJ-A-E-HQQE
Product No:	91129363
EAN number:	5700397228708
<b>Technical:</b>	
Pump speed on which pump data are based:	3452 rpm
Rated flow:	30.4 US GPM
Rated head:	73.69 psi
Maximum head:	101.8 psi
Actual impeller diameter:	2.88 in
Stages:	7
Impellers:	7
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Primary shaft seal:	HQQE
Code for shaft seal:	HQQE
Approvals:	CE
Approvals for drinking water:	NSF/ANSI 61
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:	E
Bearing:	SIC
<b>Installation:</b>	
Maximum operating pressure:	362.59 psi
Max pressure at stated temp:	363 psi / 250 °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 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
Motor standard:	NEMA



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





Company name:

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Project:

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Client Number:

Contact:

Description	Value
Power (P2) required by pump:	3 HP
<b>Controls:</b>	
Frequency converter:	None
<b>Others:</b>	
DOE Pump Energy Index CL:	0.89
Net weight:	51.4 lb
Gross weight:	65.9 lb
Shipping volume:	4.94 ft <sup>3</sup>
Country of origin:	US
Custom tariff no.:	8413.70.2040





Company name:

Created by:

Phone:

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22/09/2025

Project:

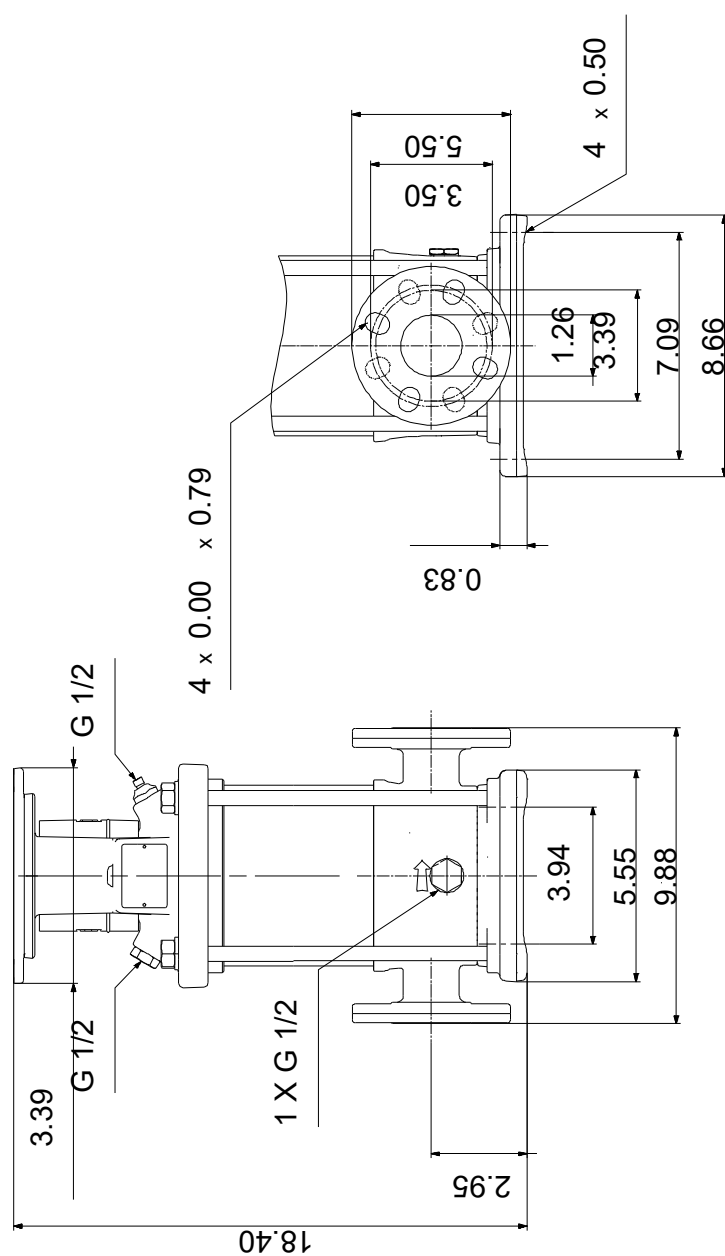
Reference Number:

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Client Number:

Contact:

**91129363 CR 5-7 A-FGJ-A-E-HQQE 60 Hz**



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

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