Submittal Data

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



CR 3-2 A-FGJ-A-E-HQQE

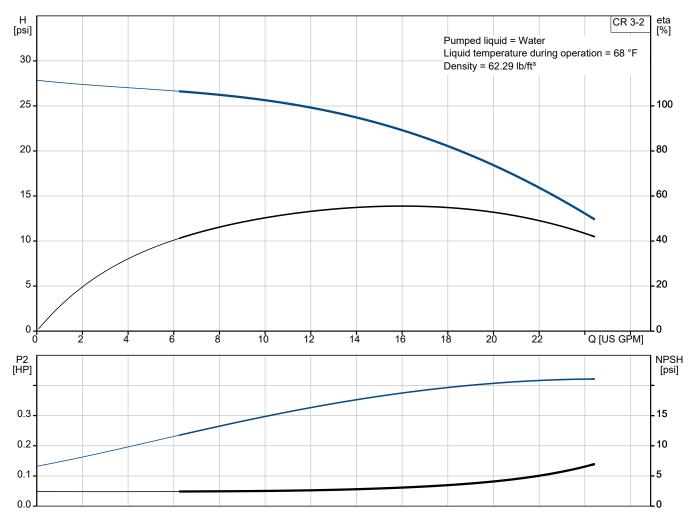
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

| Conditions of Service | | |
|-----------------------|-------|--|
| Liquid: | Water | |
| Temperature: | 68 °F | |
| Specific Gravity: | 1.000 | |
| | | |

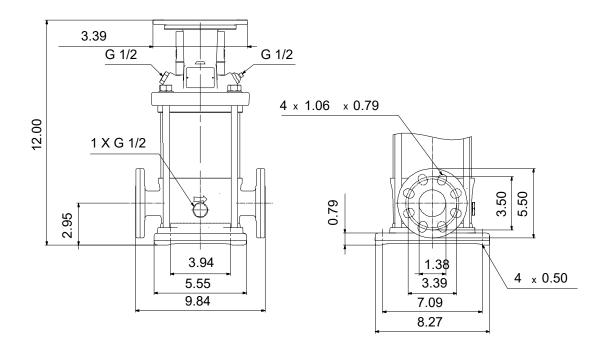
| Pump Data | |
|------------------------------|------------------|
| Max pressure at stated temp: | 363 psi / 250 °F |
| Liquid temperature range: | -4 248 °F |
| Shaft seal: | HQQE |
| Product number: | 96083181 |

| Motor Data | | |
|------------------|-------|--|
| Mains frequency: | 60 Hz | |
| | | |
| | | |



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Submittal Data



Materials:

Base: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B

Impeller: Stainless steel

AISI 304 EN 1.4301

⊏IN I

Material code: A Code for rubber: E



Date: 12/05/2025

Qty. | Description

1 CR 3-2 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96083181

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.

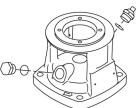
The entire process consists of these elements:

- 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: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



Date: 12/05/2025

Qty. | Description

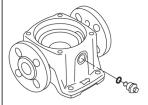
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The shaft seal is screwed into the pump head.

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 .. 248 °F
Selected liquid temperature: 68 °F
Density: 62.29 lb/ft³

Technical:

Pump speed on which pump data are based: 3425 rpm

Rated flow: 15.4 US GPM
Rated head: 19.31 psi
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

Materials:

Impeller:

Base: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B Stainless steel

EN 1.4301

AISI 304

Bearing: SIC

Installation:

Maximum operating pressure: 362.59 psi



Date: 12/05/2025

Qty. | Description

1 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: 56C

Electrical data:

Motor standard: NEMA
Power (P2) required by pump: 0.33 HP

Controls:

Frequency converter: None

Others:

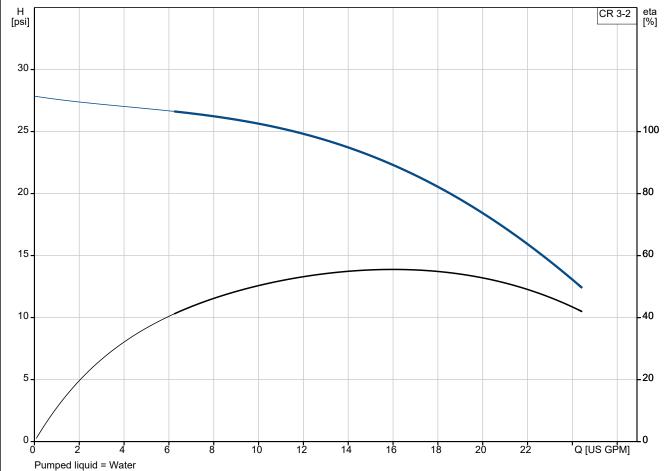
Net weight:39.5 lbGross weight:50.5 lbShipping volume:4.94 ft³Country of origin:US

Custom tariff no.: 8413.70.2040

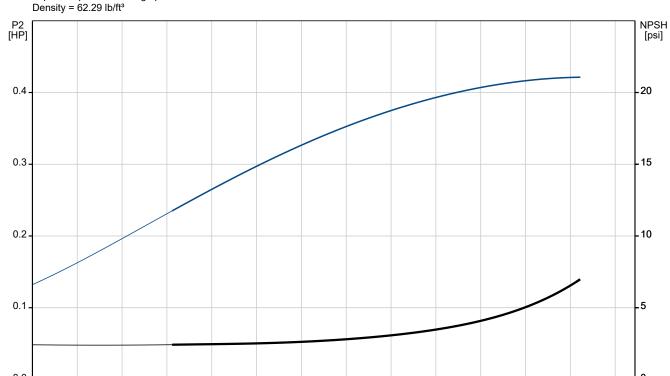


Date: 12/05/2025

96083181 CR 3-2 A-FGJ-A-E-HQQE 60 Hz



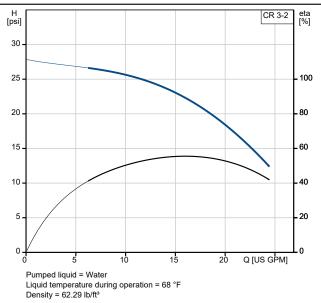
Pumped liquid = Water Liquid temperature during operation = 68 °F

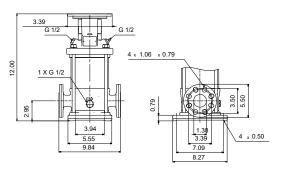




Date: 12/05/2025

| Description | Value |
|--|--------------------------|
| General information: | |
| Product name: | CR 3-2 A-FGJ-A-E-HQQE |
| Product No: | 96083181 |
| EAN number: | 5700395183498 |
| Technical: | |
| Pump speed on which pump data are based: | 3425 rpm |
| Rated flow: | 15.4 US GPM |
| Rated head: | 19.31 psi |
| Maximum head: | 27.26 psi |
| Stages: | 3 |
| Impellers: | 2 |
| 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: | Α |
| Model: | A |
| Materials: | , , |
| Base: | Cast iron |
| Dasc. | EN 1561 EN-GJL-200 |
| | ASTM A48-25B |
| Impeller: | Stainless steel |
| Impelier. | EN 1.4301 |
| | AISI 304 |
| Material code: | A131 304 A |
| Code for rubber: | E |
| | |
| Bearing: Installation: | SIC |
| | 262 F0 mai |
| 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: | 56C |
| Connect code: | FGJ |
| Liquid: | |
| Pumped liquid: | Water |
| Liquid temperature range: | -4 248 °F |
| Selected liquid temperature: | 68 °F |
| Density: | 62.29 lb/ft³ |
| Electrical data: | |
| Motor standard: | NEMA |
| Power (P2) required by pump: | 0.33 HP |
| Controls: | 0.00111 |
| | None |
| Frequency converter: | None |







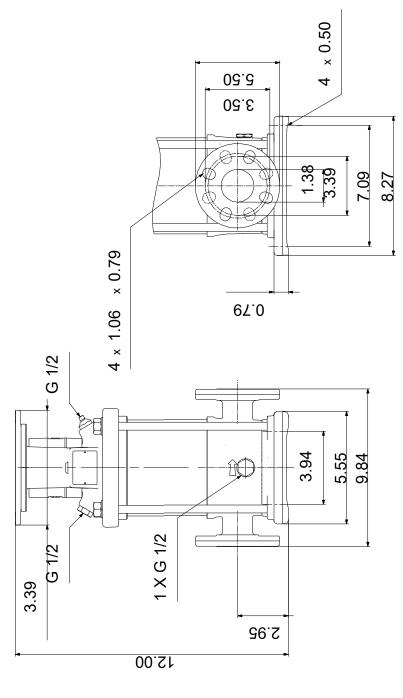
Date: 12/05/2025

| Description | Value |
|--------------------|----------------------|
| Net weight: | 39.5 lb |
| Gross weight: | 50.5 lb |
| Shipping volume: | 4.94 ft ³ |
| Country of origin: | US |
| Custom tariff no.: | 8413.70.2040 |



12/05/2025 Date:

96083181 CR 3-2 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.