Submittal Data

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



CR 3-4 A-B-A-V-HQQV

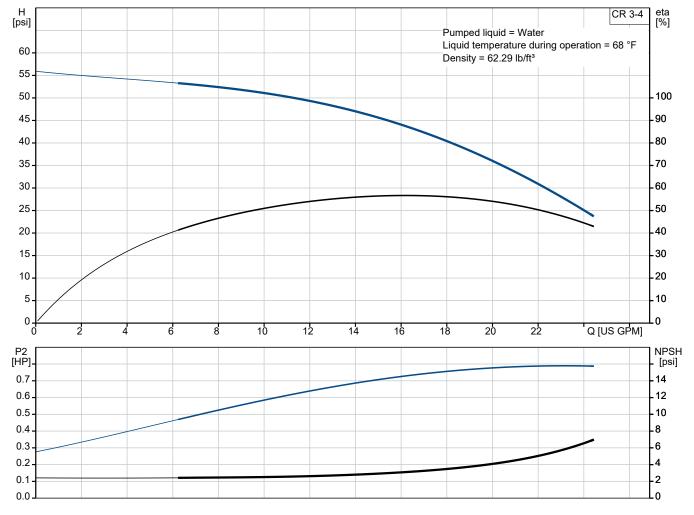
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Conditions	of Service		
Liquid:	Water	1	Ν
Temperature:	68 °F		L
Specific Gravity:	1.000		s
· ·		1	۱.

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Max pressure at stated temp:	232 psi / 194 °F
Liquid temperature range:	-4 194 °F
Shaft seal:	HQQV
Product number:	96083113

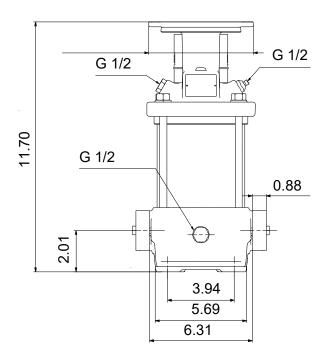
Pump Data

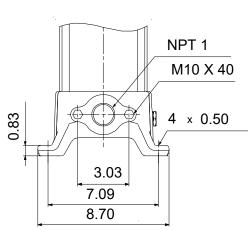
Motor Data Mains frequency: 60 Hz



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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

Material code: Α

Code for rubber:



Date: 07/05/2025

Qty. | Description

1 CR 3-4 A-B-A-V-HQQV



Note! Product picture may differ from actual product

Product No.: 96083113
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 oval flanges with internal NPT threads.

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.

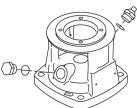
The entire process consists of these elements:

- 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.



Date: 07/05/2025

Qty. | Description

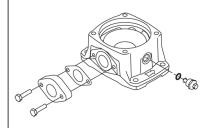
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The shaft seal is screwed into the pump head.

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 oval flanges are bolted to the base. 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: 15.4 US GPM
Rated head: 39.19 psi
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: 232.06 psi Max pressure at stated temp: 232 psi / 194 °F



Date: 07/05/2025

Qty. | Description

1 232 psi / -4 °F

Type of connection: Oval / NPT(F)

Size of inlet connection: 1 inch
Size of outlet connection: 1 inch
Pressure rating for connection: PN 16
Flange size for motor: 56C

Electrical data:

Motor standard: NEMA
Power (P2) required by pump: 0.75 HP

Controls:

Frequency converter: None

Others:

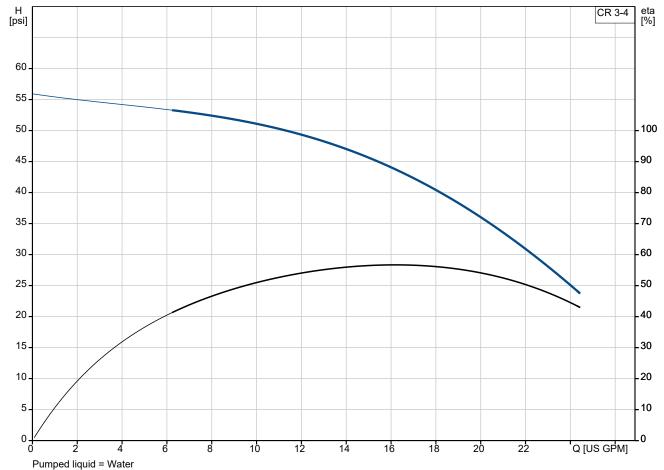
Net weight: 30.7 lb
Gross weight: 41.7 lb
Shipping volume: 4.94 ft³
Country of origin: US

Custom tariff no.: 8413.70.2040

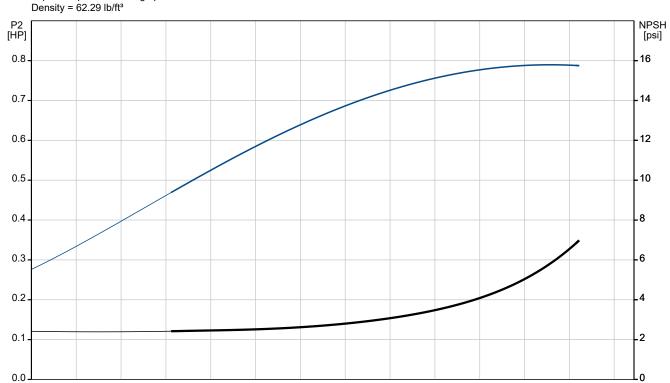


Date: 07/05/2025

96083113 CR 3-4 A-B-A-V-HQQV 60 Hz



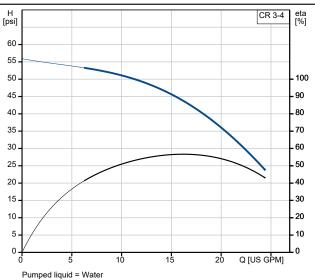
Liquid temperature during operation = 68 °F



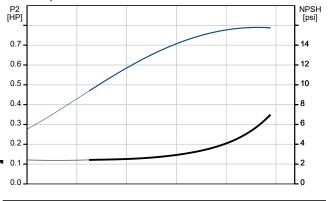


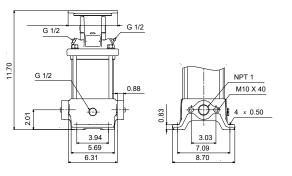
Date: 07/05/2025

Description	Value
General information:	
Product name:	CR 3-4 A-B-A-V-HQQV
Product No:	96083113
EAN number:	5700395182811
Technical:	
Pump speed on which pump data are based:	3439 rpm
Rated flow:	15.4 US GPM
Rated head:	39.19 psi
Maximum head:	53.81 psi
Stages:	4
Impellers:	4
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:	0 1:
Base:	Cast iron
	EN 1561 EN-GJL-200
	ASTM A48-25B
Impeller:	Stainless steel
	EN 1.4301
Material ander	AISI 304
Material code: Code for rubber:	A V
Bearing:	SIC
Installation:	510
Maximum operating pressure:	232.06 psi
Max pressure at stated temp:	232 psi / 194 °F
- Wax prosoure at stated temp.	232 psi / -4 °F
Type of connection:	Oval / NPT(F)
Size of inlet connection:	1 inch
Size of outlet connection:	1 inch
Pressure rating for connection:	PN 16
Flange size for motor:	56C
Connect code:	В
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-4 194 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft ³
Electrical data:	
Motor standard:	NEMA
Power (P2) required by pump:	0.75 HP
Controls:	
Frequency converter:	None
Others:	
Net weight:	30.7 lb
Gross weight:	41.7 lb
	41.7 lb 4.94 ft³



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







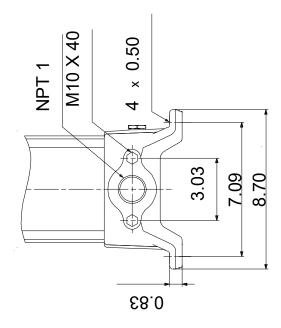
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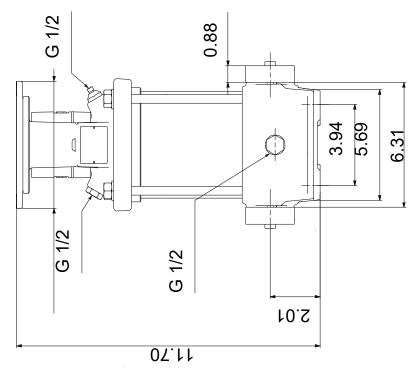
		Date:	07/05/2025
Description	Value 8413.70.2040		
Custom tariff no.:	8413.70.2040		



07/05/2025 Date:

96083113 CR 3-4 A-B-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.