Submittal Data

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

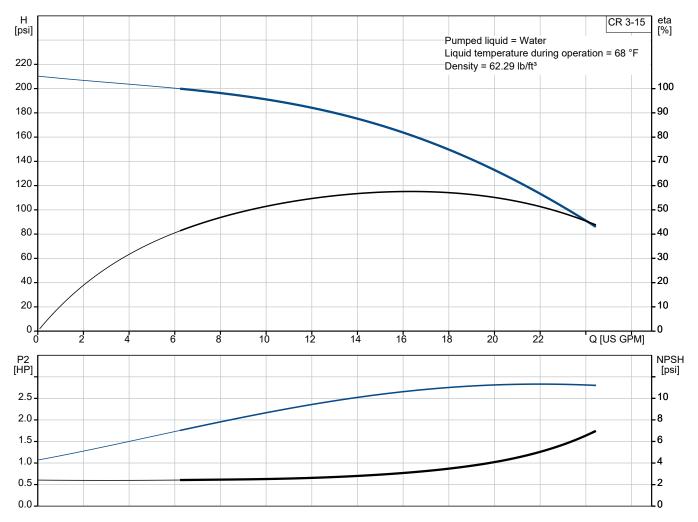


CR 3-15 A-FGJ-A-E-HQQE

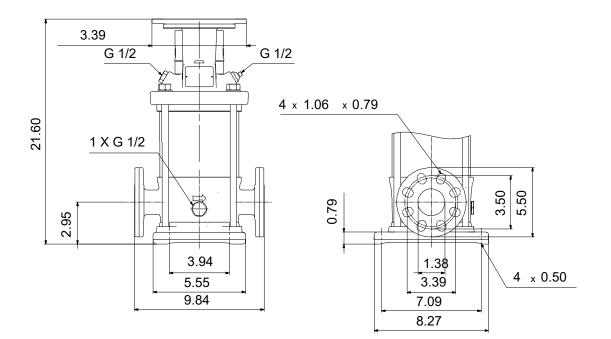
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		ervice Pump Data		Motor Data	a
Liquid: Temperature:	Water 68 °F	Max pressure at stated temp: Liquid temperature range:	363 psi / 250 °F -4 248 °F	Mains frequency:	60 Hz
Specific Gravity:	1.000	Shaft seal: Product number:	HQQE 96083193		



Submittal Data



st iron
1561 EN-GJL-200
TM A48-25B
inless steel
I 304
1.4301



23/05/2025

Qty. | Description

1

CR 3-15 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96083193 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.

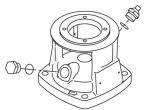
An integral part of the process is a pretreatment.

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.



23/05/2025

Qty. | Description

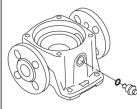
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The shaft seal is screwed into the pump head.

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.

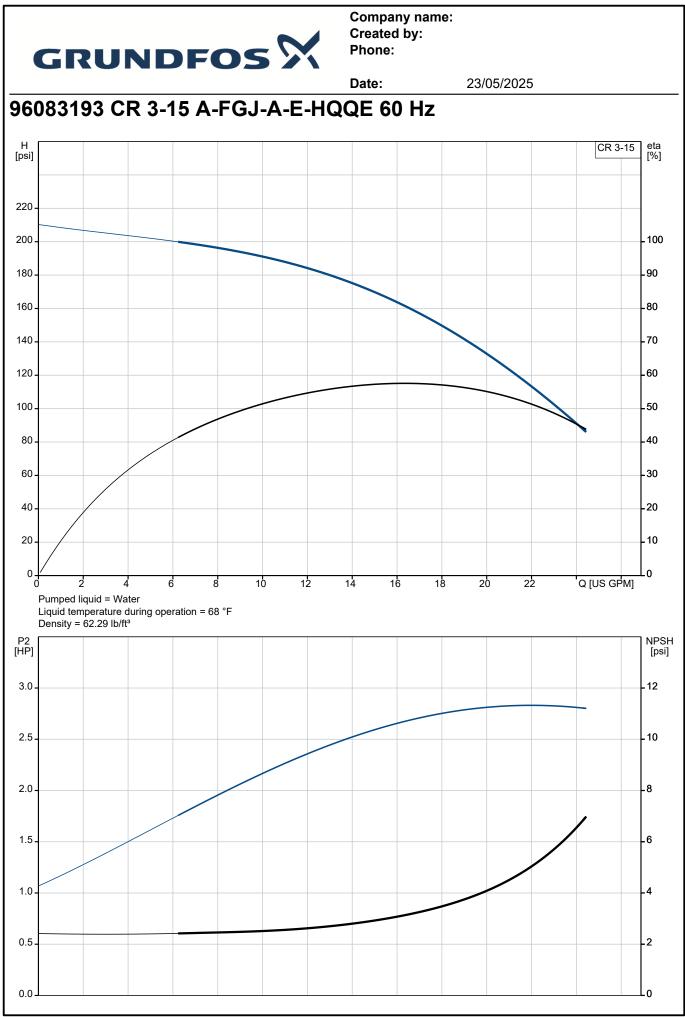


Motor The pump is sold without motor. Technical data

Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -4 248 °F 68 °F 62.29 lb/ft³
Technical: Pump speed on which pump data Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Primary shaft seal: Code for shaft seal: Approvals: Approvals for drinking water: Curve tolerance:	are based: 3461 rpm 15.4 US GPM 152.6 psi Vertical Single HQQE HQQE CE NSF/ANSI 61 ISO9906:2012 3B
Materials: Base: Impeller: Bearing:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel EN 1.4301 AISI 304 SIC
Installation: Maximum operating pressure:	362.59 psi

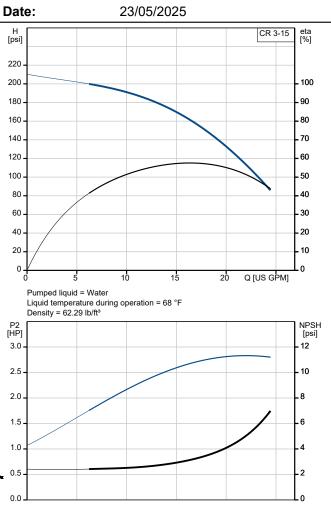


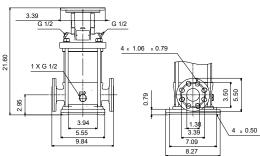
			Date:	23/05/2025	
Qty.	Description				
1	Max pressure at stated temp:	363 psi / 250 °F			
		363 psi / -4 °F			
	Type of connection:	DIN / ANSI / JIS			
	Size of inlet connection:	DN 25/32			
		1 1/4 inch			
	Size of outlet connection:	DN 25/32			
		1 1/4 inch			
	Pressure rating for connection:	PN 25			
	Flange rating inlet:	250 lb			
	Flange size for motor:	182TC			
	Electrical data:				
	Motor standard:	NEMA			
	Power (P2) required by pump:	3 HP			
	Controls:				
	Frequency converter:	None			
	Others:				
	Net weight:	56.1 lb			
	Gross weight:	70.6 lb			
	Shipping volume:	4.94 ft ³			
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			





Description	Value	
General information:	05.0.45	
Product name:	CR 3-15 A-FGJ-A-E-HQQE	
Product No:	96083193	
EAN number:	5700395183610	
Technical:		
Pump speed on which pump data are based:	3461 rpm	
Rated flow:	15.4 US GPM	
Rated head:	152.6 psi	
Maximum head:	204.3 psi	
Stages:	15	
Impellers:	15	
Number of reduced-diameter impellers:	0	
Low NPSH:	Ν	
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:	Α	
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:	E	
Bearing:	SIC	
Installation:		
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	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-4 248 °F	
	-4 240 F 68 °F	
Selected liquid temperature:		
Density:	62.29 lb/ft ³	
Electrical data:		
Motor standard:	NEMA	
Power (P2) required by pump:	3 HP	
Controls:		
	NI	
Frequency converter: Others:	None	





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		Date:	23/05/2025
Description	Value		
Net weight:	56.1 lb		
Gross weight:	70.6 lb		
Shipping volume:	4.94 ft ³		
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