Submittal Data

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

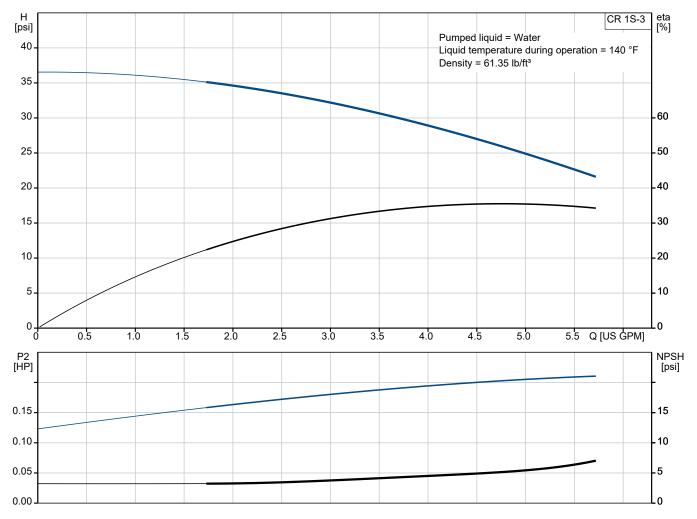


CR 1S-3 A-FGJ-A-E-HQQE

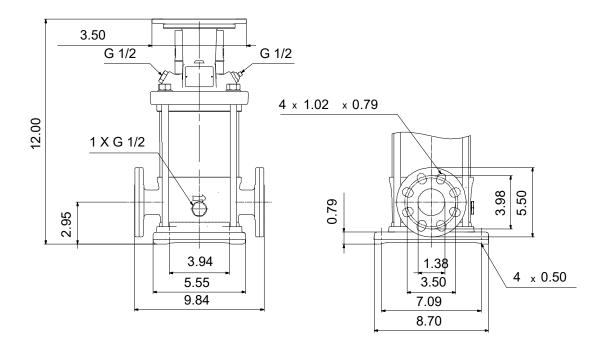
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data	
Liquid: Temperature:	Water 140 °F	Max pressure at stated temp: Liquid temperature range:	363 psi / 250 °F -4 248 °F	Mains frequency:	60 Hz
Specific Gravity:	0.985	Shaft seal: Product number:	HQQE 96081002		



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:	E



16/04/2025

Qty. | Description

1

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



Note! Product picture may differ from actual product

Product No.: 96081002 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. 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.

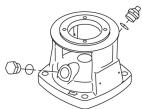
The entire process consists of these elements:

- 1) Alkaline-based cleaning.
- 2) Zinc phosphating.
- 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.



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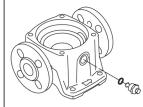
Qty. | Description

1



The shaft seal is screwed into the pump head.

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.



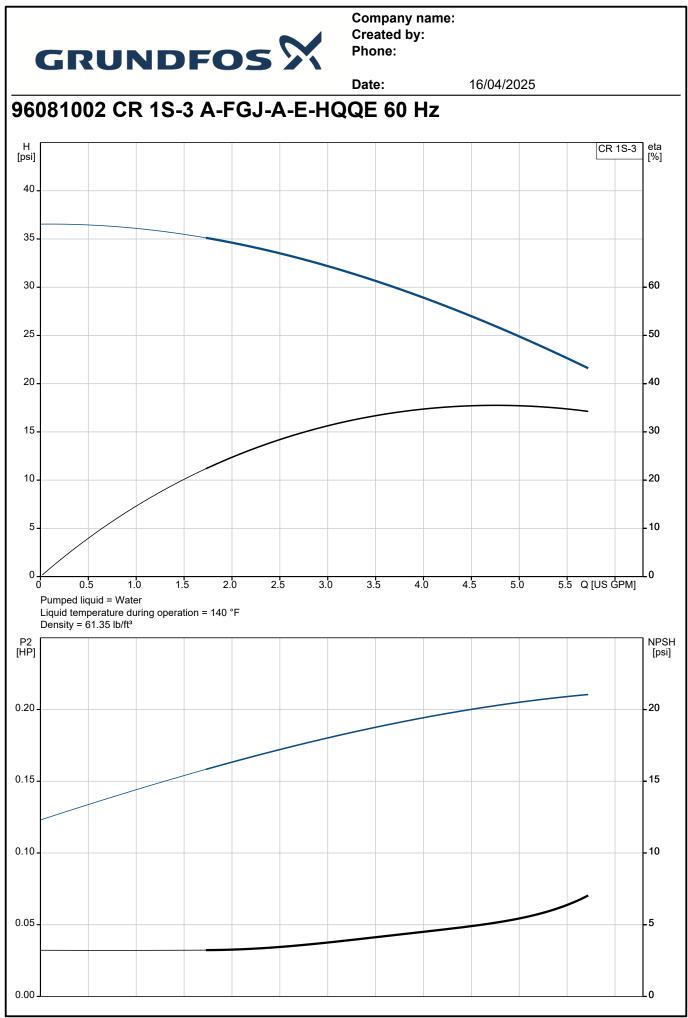
Motor

The pump is sold without motor. **Technical data**

Nater 4 248 °F 140 °F 61.35 lb/ft³
are based: 3425 rpm 4.84 US GPM 24.89 psi /ertical Single HQQE HQQE CE NSF/ANSI 61 SO9906:2012 3B
Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel EN 1.4301
AISI 304 SIC
362.59 psi 363 psi / 250 °F 363 psi / -4 °F DIN / ANSI / JIS

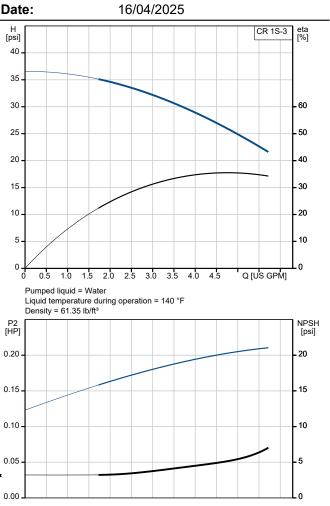


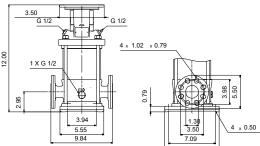
			Date:	16/04/2025	
Qty.	Description				
1	Size of inlet connection:	DN 25/32			
		1 1/4 inch			
	Size of outlet connection:	DN 25/32			
		1 1/4 inch			
	Pressure rating for connection:	PN 25			
	Flange rating inlet:	250 lb			
	Flange size for motor:	56C			
	Electrical data:				
	Motor standard:	NEMA			
	Power (P2) required by pump:	0.33 HP			
	Controls:				
	Frequency converter:	None			
	Others:				
	Net weight:	39.9 lb			
	Gross weight:	50.9 lb			
	Shipping volume:	4.94 ft³			
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			





		Date:
Description	Value	H [psi]
General information:		40 -
Product name:	CR 1S-3 A-FGJ-A-E-HQQE	35 -
Product No:	96081002	
EAN number:	5700395154603	30 -
Fechnical:		
Pump speed on which pump data are based:	3425 rpm	25 -
Rated flow:	4.84 US GPM	20
Rated head:	24.89 psi	15
Maximum head:	36.08 psi	
Stages:	3	10 -
mpellers:	3	
Number of reduced-diameter impellers:	0	5-
_ow NPSH:	Ν	0
Pump orientation:	Vertical	0 0.5 1.0 1.
Shaft seal arrangement:	Single	Pumped liquid = \
Primary shaft seal:	HQQE	Liquid temperatur Density = 61.35 lb
Code for shaft seal:	HQQE	P2
Approvals:	CE	[HP]
Approvals for drinking water:	NSF/ANSI 61	0.20
Curve tolerance:	ISO9906:2012 3B	0.20
Pump version:	Α	
Model:	A	0.15
Materials:		-
Base:	Cast iron	0.10
	EN 1561 EN-GJL-200	
	ASTM A48-25B	0.05
mpeller:	Stainless steel	0.05
•	EN 1.4301	
	AISI 304	0.00
Material code:	A	
Code for rubber:	E	
Bearing:	SIC	
nstallation:		3.50 G 1/2
Maximum operating pressure:	362.59 psi	
Max pressure at stated temp:	363 psi / 250 °F	
	363 psi / -4 °F	00 Ci <u>1 X G 1/2</u>
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	9.8
Pressure rating for connection:	PN 25	
Flange rating inlet:	250 lb	
Flange size for motor:	56C	
Connect code:	FGJ	
	FGJ	
Liquid:	Mator	
Pumped liquid:	Water -4 248 °F	
Liquid temperature range:		
Selected liquid temperature:	140 °F	
Density:	61.35 lb/ft ³	
Electrical data:		
Motor standard:	NEMA	
Power (P2) required by pump:	0.33 HP	
Controls:		
Frequency converter:	None	
Others:		





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		Date:	16/04/2025	
Description	Value			
Net weight:	39.9 lb			
Gross weight:	50.9 lb			
Shipping volume:	4.94 ft ³			
Country of origin:	US			
Custom tariff no.:	8413.70.2040			

