Submittal Data

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

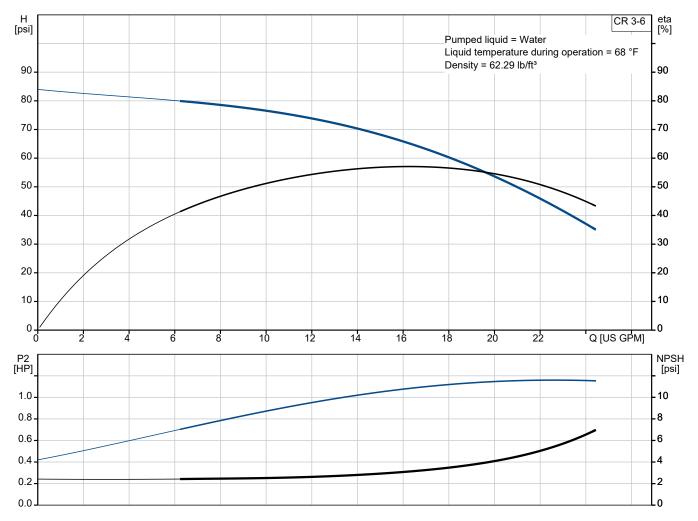


CR 3-6 A-FGJ-A-V-HQQV

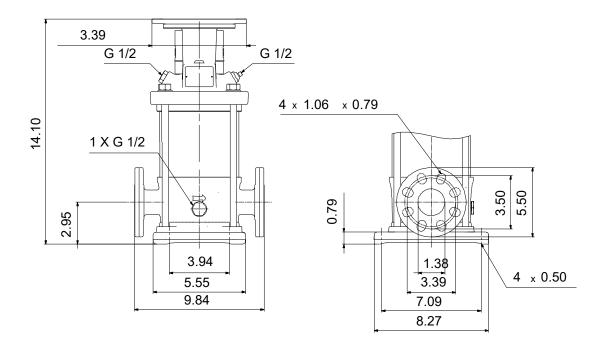
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		Pump Data		Motor Data		
Liquid: Temperature: Specific Gravity:	Water 68 °F 1.000	Max pressure at stated temp: Liquid temperature range: Shaft seal: Product number:	363 psi / 194 °F -4 194 °F HQQV 96083275	Mains frequency:	60 Hz	



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:	V



Qty. | Description

Date:

14/05/2025

1 CR 3-6 A-FG.I-4



Note! Product picture may differ from actual product

Product No.: 96083275 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.

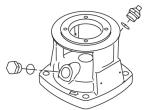
An integral part of the process is a pretreatment.

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: FKM (fluorocarbon rubber)

FKM has excellent resistance to oils and chemicals. Above 90 °C, FKM should only be used in media without water.



14/05/2025

Qty. | Description

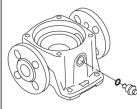
1



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.

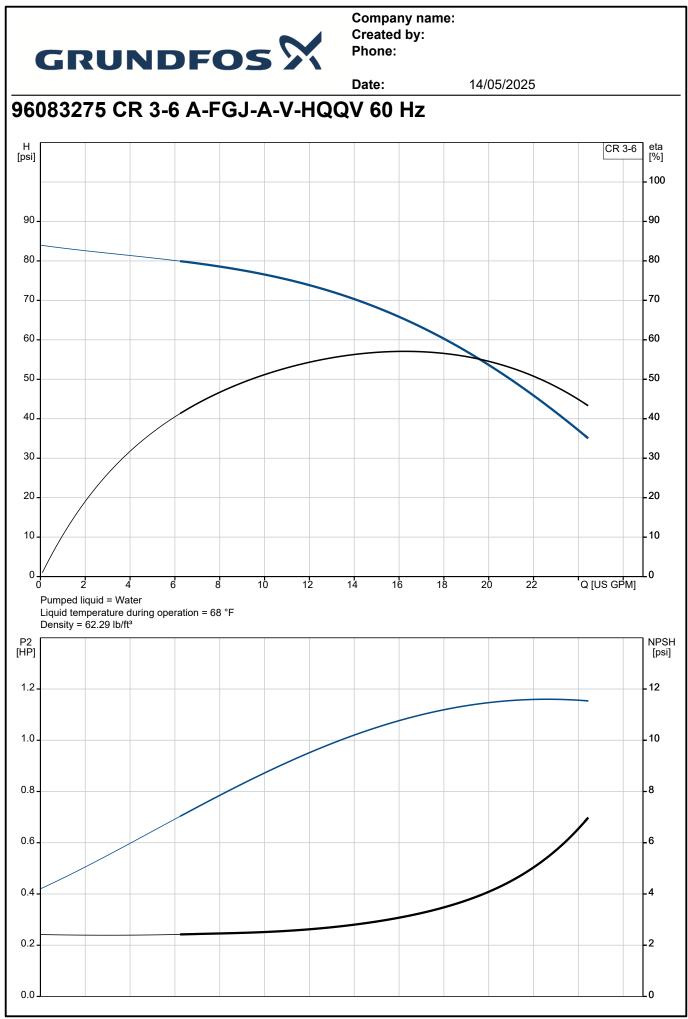


Motor The pump is sold without motor. Technical data

Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -4 194 °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: Curve tolerance:	are based: 3484 rpm 15.4 US GPM 59.49 psi Vertical Single HQQV HQQV CE 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: Max pressure at stated temp:	362.59 psi 363 psi / 194 °F



			Date:	14/05/2025
Qty.	Description			
1		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:	1 HP		
	Controls:			
	Frequency converter:	None		
	Others:			
	Net weight:	42.8 lb		
	Gross weight:	53.8 lb		
	Shipping volume:	4.94 ft ³		
	Country of origin:	US		
	Custom tariff no.:	8413.70.2040		



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> NPSH [psi] 12 10 . 8 - 6 -4 -2 - 0

Description		H			CR 3-	6 eta
Description General information:	Value	[psi]				[%]
	CR 3-6	90 -				_ 90
Product name:	A-FGJ-A-V-HQQV	90 -				- 90
Product No:	96083275	80 -				- 80
EAN number:	5700395184433	70 -				70
Technical:		_				
Pump speed on which pump data are based:	3484 rpm	60 - 50 -				- 60
Rated flow:	15.4 US GPM					
Rated head:	59.49 psi	40 -				- 40
Maximum head:	80.93 psi	30 -			•	30
Stages:	6					
Impellers:	6	20				- 20
Number of reduced-diameter impellers:	0	10				10
Low NPSH:	Ν					
Pump orientation:	Vertical	0 4	5 10	15 2	0 Q [US GPN	Lo 1]
Shaft seal arrangement:	Single	Pumped liquid			-	
Primary shaft seal:	HQQV	Liquid temper	ature during operatio	n = 68 °F		
Code for shaft seal:	HQQV	Density = 62.2	29 10/11-			
Approvals:	CE	[HP]				NPS [ps
Curve tolerance:	ISO9906:2012 3B	1.2 -				12
Pump version:	Α	1.0 -				10
Model:	A	1.0				I.o.
Materials:		0.8				- 8
Base:	Cast iron				,	
	EN 1561 EN-GJL-200	0.6				-6
	ASTM A48-25B	0.4				4
Impeller:	Stainless steel	0.4				F ⁴
•	EN 1.4301	0.2				2
	AISI 304	-				
Material code:	A	0.0				L0
Code for rubber:	V					
Bearing:	SIC					
Installation:		3.39				
Maximum operating pressure:	362.59 psi	G 1/2	G 1/2			
Max pressure at stated temp:	363 psi / 194 °F	- _%	HEPHA			
	363 psi / -4 °F	=	4 × 1.06	× 0.79		
Type of connection:	DIN / ANSI / JIS	₽ ₹ <u>1 X G 1/2</u>				
Size of inlet connection:	DN 25/32					
	1 1/4 inch	36			3.50	
Size of outlet connection:	DN 25/32					
	1 1/4 inch	_	3.94	1.38	4 x 0.50	
Pressure rating for connection:	PN 25		9.84	7.09		
Flange rating inlet:	250 lb			8.27	l	
Flange size for motor:	56C					
Connect code:	FGJ					
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:	1 HP					
Controls:						
Frequency converter:	None					
Others:						
Net weight:	42.8 lb					
Not Weight.	+2.0 ID					



DescriptionValueGross weight:53.8 lbShipping volume:4.94 ft³Country of origin:USCustom tariff no.:8413.70.2040

