Submittal Data

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

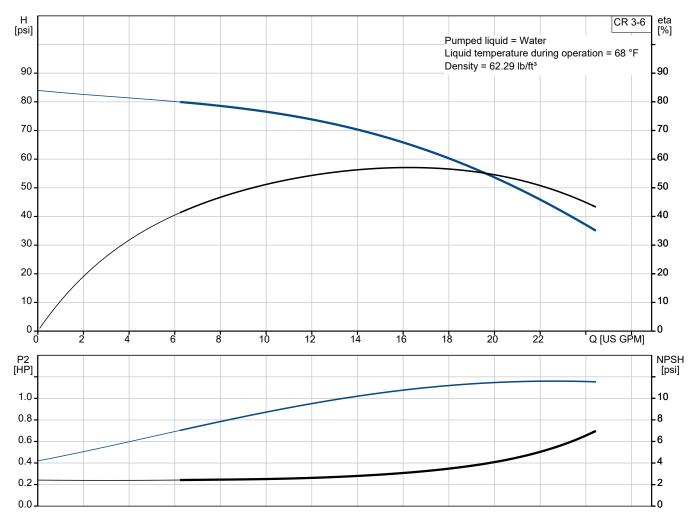


CR 3-6 A-FGJ-A-E-HQQE

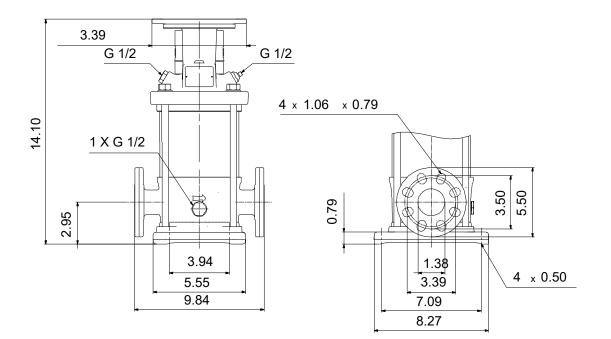
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

Note! Product picture may differ from actual product

Conditions of Service		Pump Data	Motor Data		
Liquid: Temperature: Specific Gravity:	Water 68 °F 1.000	Max pressure at stated temp: Liquid temperature range: Shaft seal:	363 psi / 250 °F -4 248 °F HQQE	Mains frequency:	60 Hz
	1.000	Product number:	96083185		



Submittal Data



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



14/05/2025

Qty. | Description

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CR 3-6 A-FGJ-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96083185 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.

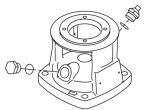
An integral part of the process is a pretreatment.

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.



14/05/2025

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.

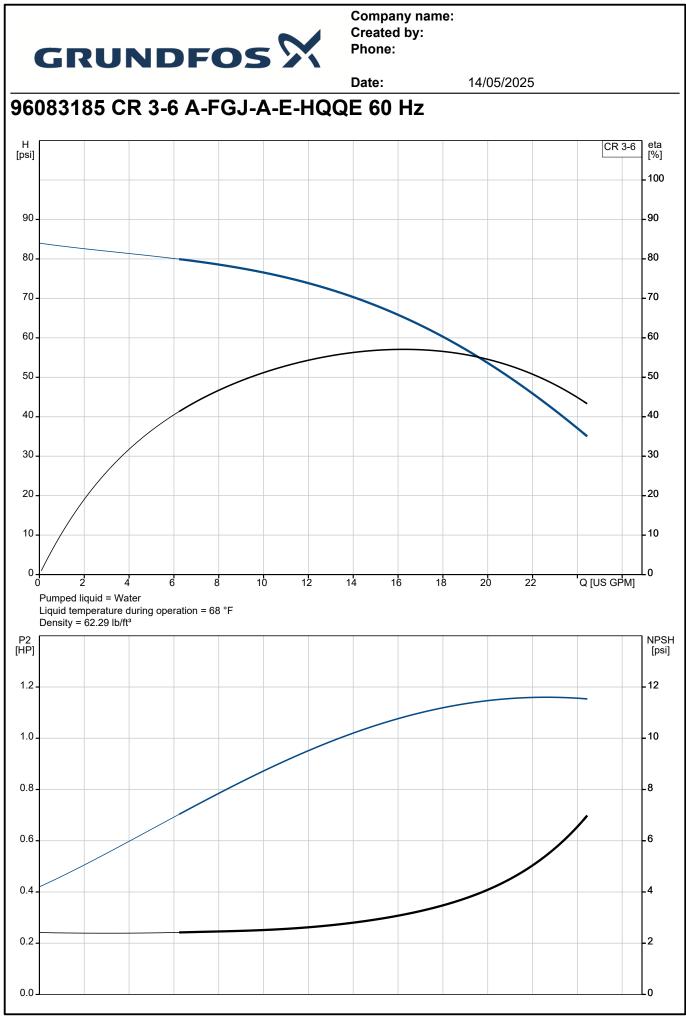


Motor The pump is sold without motor. Technical data

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: 3484 rpm 15.4 US GPM 59.49 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:	14/05/2025	
ty.	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:	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			





NPSH [psi] 12

Description	Value	H						CR	3-6
Description General information:	value	[psi]							
Product name:	CR 3-6	90.							
Flouder hame.	A-FGJ-A-E-HQQE								
Product No:	96083185	80 -							
EAN number:	5700395183535	70							
Technical:		_							
Pump speed on which pump data are based:	3484 rpm	- 60 · 50 ·					\rightarrow		
Rated flow:	15.4 US GPM	001							
Rated head:	59.49 psi	40.							
Maximum head:	80.93 psi	30		\square					
Stages:	6								
Impellers:	6	20.							
Number of reduced-diameter impellers:	0	10							
Low NPSH:	N		/						
Pump orientation:	Vertical	0	<u> </u>	5	10	15			DAAI
Shaft seal arrangement:	Single		U Dume::! !!			15	2	.0 0,0056	rivij
	HQQE			quid = Wate perature du	er iring operati	on = 68 °F	=		
Primary shaft seal: Code for shaft seal:			Density =		5				
	HQQE	P2 [HP]							
Approvals:	CE	1.2 ·							
Approvals for drinking water:	NSF/ANSI 61								
Curve tolerance:	ISO9906:2012 3B	1.0				\checkmark			
Pump version:	А					-			
Model:	А	0.8	_						
Materials:								1	
Base:	Cast iron	0.6							
	EN 1561 EN-GJL-200	0.4							
	ASTM A48-25B								
Impeller:	Stainless steel	0.2							
•	EN 1.4301								
	AISI 304	0.0							
Material code:	A								
Code for rubber:	E								
Bearing:	SIC				7				
Installation:			3.39 G 1/2	┙╢┼╢	G 1/2				
Maximum operating pressure:	362.59 psi	_		¥tiP.	¥.				
Maximum operating pressure. Max pressure at stated temp:	363 psi / 250 °F	_		₩ F	₽ <u>4 × 1.0</u>	06 x 0.79	~		
max pressure at stated temp.	363 psi / -4 °F	14.10	1 X G 1/2						
Type of connection:	•	_	Π	\mathbb{N}	l m	ſ		1	
Type of connection:	DIN / ANSI / JIS	_	. —			0.79		3.50	
Size of inlet connection:	DN 25/32		2.95	<u>a</u>	51	° L d			
	1 1/4 inch			3.94		1	1.38		
Size of outlet connection:	DN 25/32			5.55 9.84	- 		3.39	4 x 0.50	
	1 1/4 inch		L	5.01			8.27		
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/ft ³								
Electrical data:									
Motor standard:	NEMA								
	1 HP								
Power (P2) required by pump: Controls:									
CONTOIS:									
Frequency converter:	None								



		Date:	14/05/2025	
Description	Value			
Net weight:	42.8 lb			
Gross weight:	53.8 lb			
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