Submittal Data

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

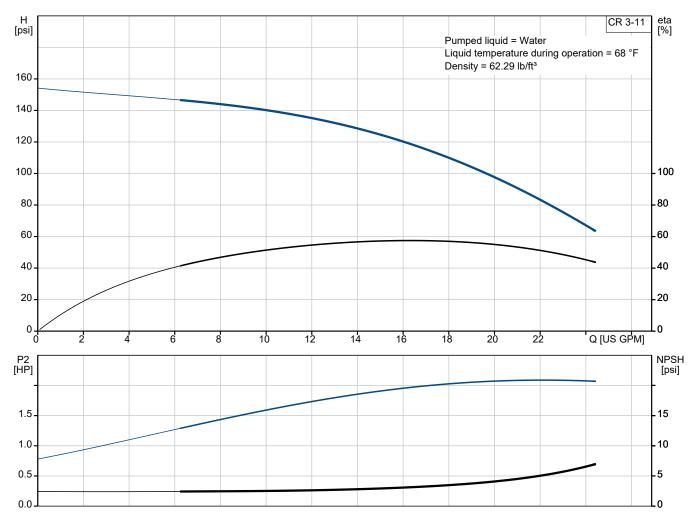


CR 3-11 A-B-A-E-HQQE

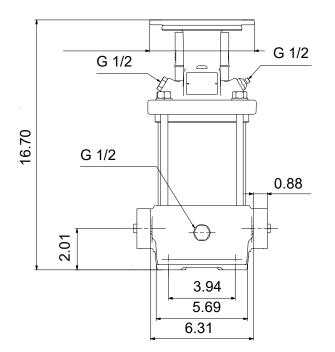
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

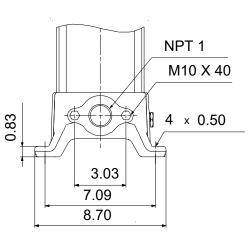
Note! Product picture may differ from actual product

Conditions of Service		Pump Data	Motor Data		
Liquid: Temperature:	Water 68 °F	Max pressure at stated temp: Liquid temperature range:	232 psi / 250 °F -4 248 °F	Mains frequency:	60 Hz
Specific Gravity:	1.000	Shaft seal: Product number:	HQQE 96083050		



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



09/05/2025

Qty. | Description

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CR 3-11 A-B-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96083050 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.

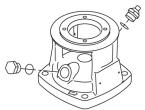
An integral part of the process is a pretreatment.

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: EPDM (ethylene-propylene rubber)

EPDM has excellent resistance to hot water. EPDM is not suitable for mineral oils.



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Qty. | Description

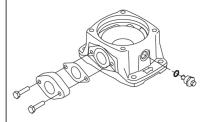
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The shaft seal is screwed into the pump head.

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.

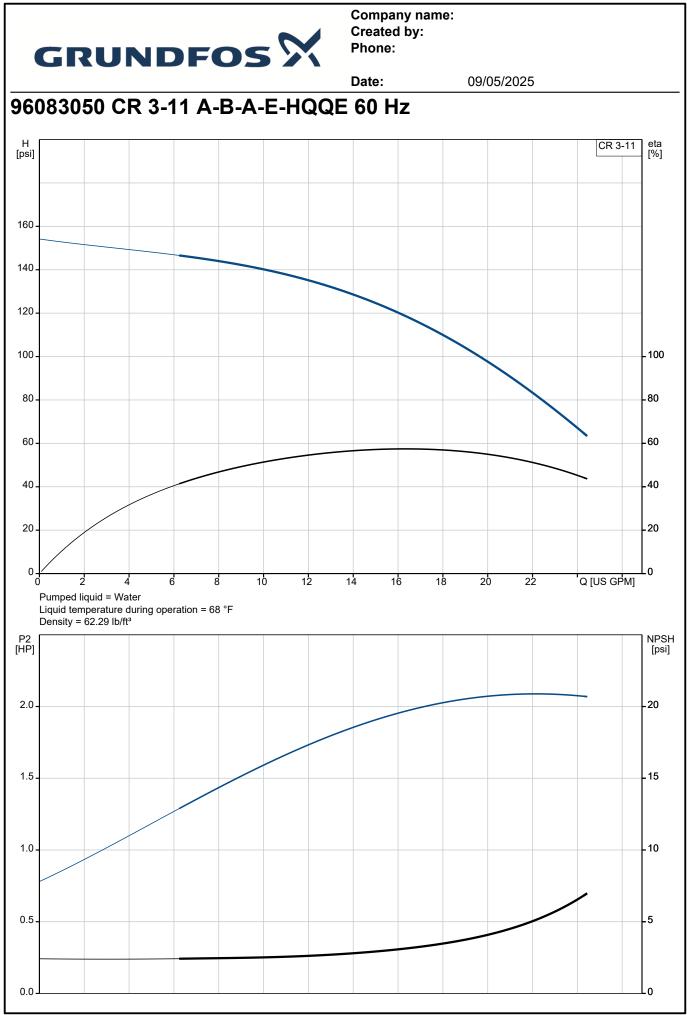


Motor The pump is sold without motor. Technical data

Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -4 248 °F 68 °F 62.29 lb/ft ³
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: 3452 rpm 15.4 US GPM 108.9 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:	232.06 psi



			Date:	09/05/2025
Qty.	Description			
1	Max pressure at stated temp:	232 psi / 250 °F		
		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:	2 HP		
	Controls:			
	Frequency converter:	None		
	Others:			
	Net weight:	37 lb		
	Gross weight:	51.5 lb		
	Shipping volume:	4.94 ft ³		
	Country of origin:	US		
	Custom tariff no.:	8413.70.2040		





Description	Value	H [psi]					CR 3-1	1 et [%
Description General information:	value	_ [psi]						^{ار} ا
	CR 3-11							
Product name:	A-B-A-E-HQQE	160						_
Product No:	96083050	140						
EAN number:	5700395182187	140						
Technical:	0100000102101	120						_
Pump speed on which pump data are	2450							
based:	3452 rpm	100						+1
Rated flow:	15.4 US GPM	80						8
Rated head:	108.9 psi	00						Γ
Maximum head:	148.4 psi	60	-					-6
Stages:	11	_						
Impellers:	11	40		/				+4
Number of reduced-diameter impellers:	0	20						2
Low NPSH:	N							
		0	¥					ە لى
Pump orientation:	Vertical		o' 5'	10) .	15 2	O Q [US GPN	IJ
Shaft seal arrangement:	Single		Pumped liquid = Liquid temperate		eration = 68	°F		
Primary shaft seal:	HQQE		Density = 62.29					
Code for shaft seal:	HQQE	P2 [HP]						N [
Approvals:	CE							
Approvals for drinking water:	NSF/ANSI 61	2.0						-2
Curve tolerance:	ISO9906:2012 3B							
Pump version:	A	1.5						1
Model:	A	1.5						- '
Materials:								
Base:	Cast iron	1.0	- / -					-+1
	EN 1561 EN-GJL-200							
	ASTM A48-25B	0.5						5
Impeller:	Stainless steel	-						
	EN 1.4301							
	AISI 304	0.0						_L0
Material code:	А							
Code for rubber:	E		-					
Bearing:	SIC	_	G 1/2		G 1/2			
Installation:		-	<u> </u>	╙╝╝				
Maximum operating pressure:	232.06 psi	102	ЧЕ					
Max pressure at stated temp:	232 psi / 250 °F	16.7	G 1/2				NPT 1	
	232 psi / -4 °F	_	N	. .	0.88		M10 X 40	
Type of connection:	Oval / NPT(F)	_			ا م		1	
Size of inlet connection:	1 inch	_		₩ •	0.83		4 × 0.50	
Size of outlet connection:	1 inch			3.94	ŧ	3.03	T I	
Pressure rating for connection:	PN 16			5.69		7.09		
Flange size for motor:	56C		L	6.31		8.70		
Connect code:	В							
Liquid:								
Pumped liquid:	Water							
Liquid temperature range:	-4 248 °F							
Selected liquid temperature:	-4 248 F 68 °F							
Density:	62.29 lb/ft ³							
Electrical data:								
Motor standard:	NEMA							
Power (P2) required by pump:	2 HP							
Controls:								
Frequency converter:	None							
Others:								
Net weight:	37 lb							
Gross weight:	51.5 lb							
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Description Country of origin:

Custom tariff no .:

Value US

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