Submittal Data

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

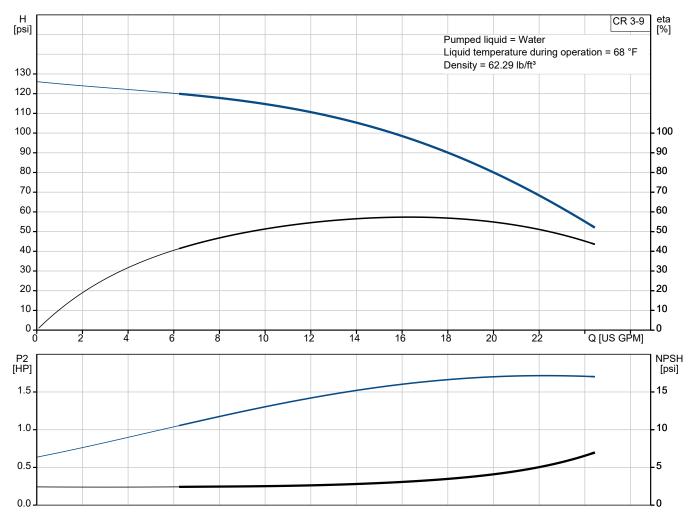


CR 3-9 A-B-A-E-HQQE

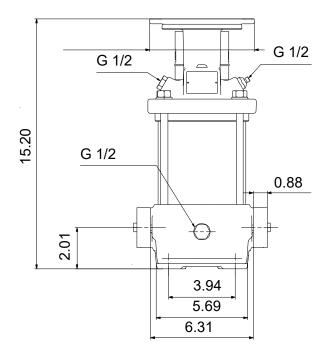
Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron - all other wetted parts are in stainless steel (EN 1.4301)

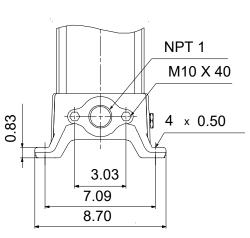
Note! Product picture may differ from actual product

Conditions of Service		Pump Data	Motor Data			
Liquid: Temperature: Specific Gravity:	Water 68 °F 1.000	Max pressure at stated temp: Liquid temperature range: Shaft seal: Product number:	232 psi / 250 °F -4 248 °F HQQE 96083048	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:	E



08/05/2025

Qty. | Description

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CR 3-9 A-B-A-E-HQQE



Note! Product picture may differ from actual product

Product No.: 96083048 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.

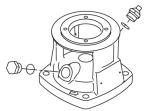
An integral part of the process is a pretreatment.

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

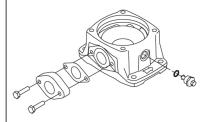
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The shaft seal is screwed into the pump head.

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.

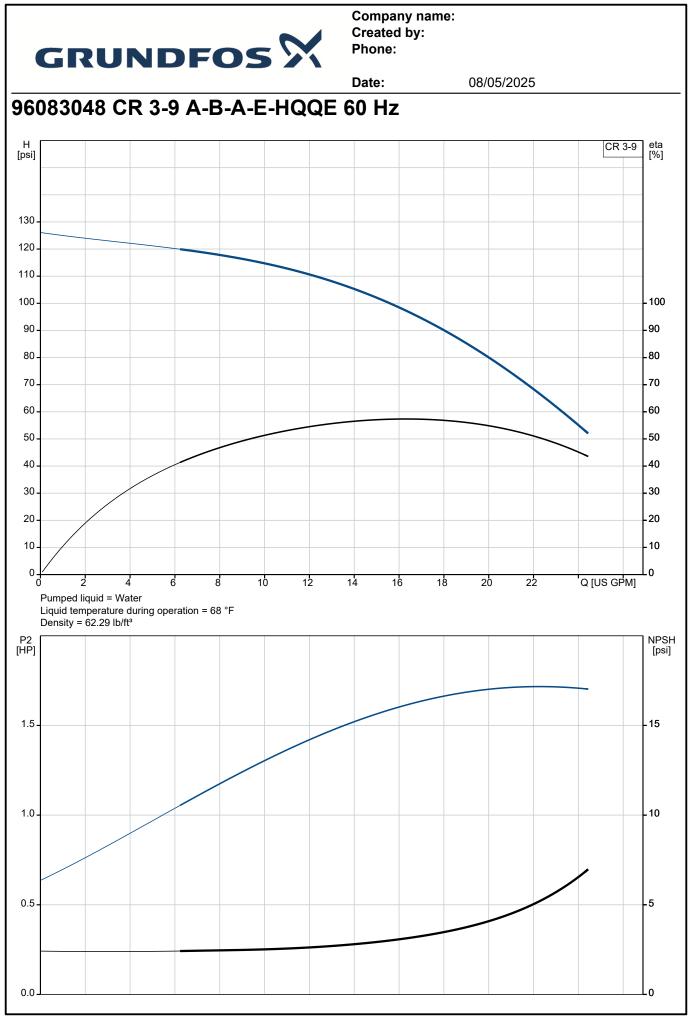


Motor The pump is sold without motor. Technical data

Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	Water -4 248 °F 68 °F 62.29 lb/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: 3466 rpm 15.4 US GPM 89.45 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:	08/05/2025	
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:	1.5 HP			
	Controls:				
	Frequency converter:	None			
	Others:				
	Net weight:	35.4 lb			
	Gross weight:	46.5 lb			
	Shipping volume:	4.94 ft ³			
	Country of origin:	US			
	Custom tariff no.:	8413.70.2040			



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Description	Value	H	,			CR	3-9	eta
Description General information:	Value	[psi]]					[%]
	CR 3-9 A-B-A-E-HQQE							
Product name:		130						
Product No:	96083048	120 110		\frown				
EAN number:	5700395182163	100						- 100
Technical:		90						- 100
Pump speed on which pump data are based:	3466 rpm	80						- 80
Rated flow:	15.4 US GPM	70						- 70
Rated head:	89.45 psi	60						- 60
Maximum head:	121.5 psi	50			·			- 50
Stages:	9	40						- 40
Impellers:	9	30						- 30
Number of reduced-diameter impellers:	0	20						- 20
Low NPSH:	Ν	10						- 10
Pump orientation:	Vertical	0	0 5	10	15	20 Q JUS GF	PM1	Lo
Shaft seal arrangement:	Single		Pumped liquid =			_ [00 0]		
Primary shaft seal:	HQQE		Liquid temperatur	e during opera	tion = 68 °F			
Code for shaft seal:	HQQE	P2	Density = 62.29 I	b/ft ³	1			NPS
Approvals:	CE	- [HP]	1					INPS [psi]
Approvals for drinking water:	NSF/ANSI 61							
Curve tolerance:	ISO9906:2012 3B	1.5	; _					- 15
Pump version:	A							
Model:	A							
Materials:		1.0) _					- 10
Base:	Cast iron							
2000.	EN 1561 EN-GJL-200					1		
	ASTM A48-25B	0.5	; _					- 5
Impeller:	Stainless steel							
	EN 1.4301	-						
	AISI 304	0.0						Lo
Material code:	A A							
Code for rubber:	E							
Bearing:	SIC	_	G 1/2		/2			
Installation:	010	-						
Maximum operating pressure:	232.06 psi	- •						
Maximum operating pressure. Max pressure at stated temp:	232.00 psi 232 psi / 250 °F	15.20	G 1/2		Ì.	NPT 1		
max pressure at stated temp.	232 psi / -4 °F	- `		0.8	8	M10 X 40		
Type of connection:	Oval / NPT(F)	-	L L L					
Size of inlet connection:	1 inch	_		e tt		4 × 0.50		
Size of outlet connection:	1 inch	-		3.94	3.0			
Pressure rating for connection:	PN 16			5.69	7.0	9		
Flange size for motor:	56C			6.31	8.7	0		
Connect code:	B							
Liquid:	D							
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:	02.23 ID/IL							
Motor standard:	NEMA							
	1.5 HP							
Power (P2) required by pump: Controls:	1.311							
	Nono							
Frequency converter:	None							
Others:	25.4 lb							
Net weight:	35.4 lb							
Gross weight:	46.5 lb							
Shipping volume:	4.94 ft ³							



08/05/2025

Description Country of origin:

Custom tariff no .:

Value US

8413.70.2040

