

## Submittal Data

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

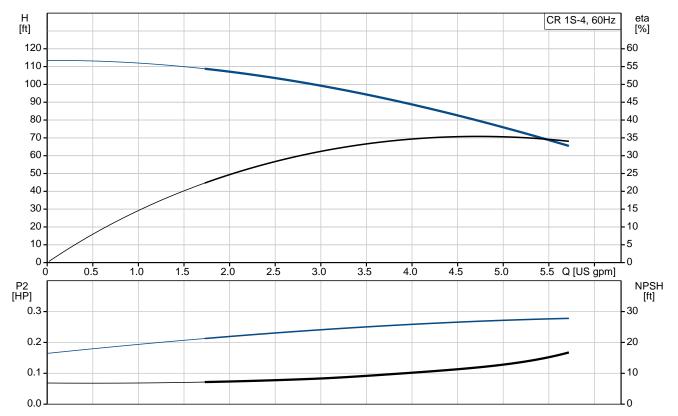


## CR 1S-4 A-B-A-E-HQQE

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)(AISI 304)

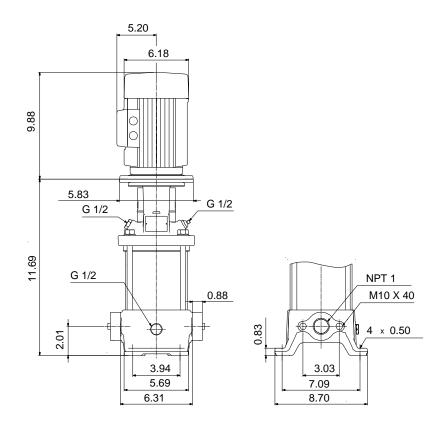
Product photo could vary from the actual product

Conditions	of Service	Pump Data		Motor Da	ata
Flow: Head: Efficiency: Liquid: Temperature: NPSH required: Viscosity: Specific Gravity:	Water 68 °F ft 1.000	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Approvals: Shaft seal: Product number:	232 psi / 250 °F -4 248 °F 104 °F CURUS,NSF61 HQQE On request	Rated power - P2: Rated voltage: Main frequency: Insulation class: Motor type:	0.33 HP 115/230 V 60 Hz B Baldor



## Submittal Data





Materials:

Base:

Material code:

Impeller:

ASTM A48-25B Stainless steel AISI 304 EN 1.4301 А Code for rubber: E

Cast iron

EN 1561 EN-GJL-200

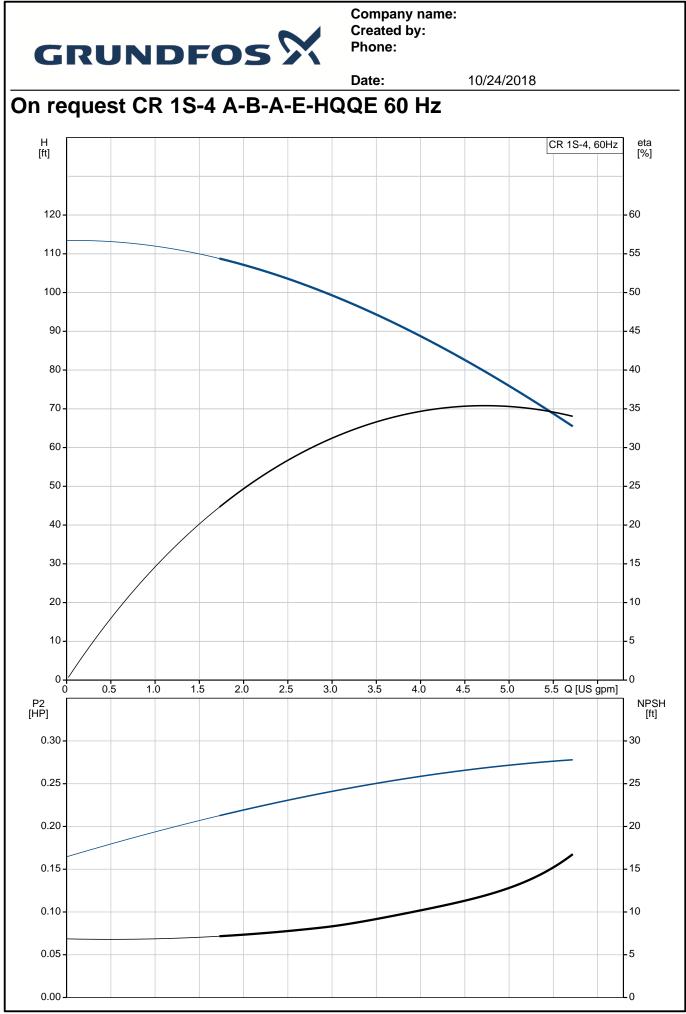
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G	RU	INDFOS	Company na Created by: Phone:	ame:	
			Date:	10/24/2018	
Position	Count	Description			
	1	CR 1S-4 A-B-A-E-HQQE			
		Product No.: On request Vertical, non-self-priming, multis centrifugal pump for installation and mounting on a foundation.			
		The pump has the following chan Impellers and intermediat The shaft seal has assem according to EN 12756. Power transmission is via coupling.	e chambers are made of bly length	f	
		The motor is a 1-phase AC motor	or.		
		Controls: Frequency converter:	NONE		
		<b>Liquid:</b> Pumped liquid: Liquid temperature range: Liquid temperature during opera Density:	Water -4248 °F tion: 68 °F 62.29 lb/ft <sup>3</sup>		
		<b>Technical:</b> Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	4.84 US gpm 77.76 ft Vertical Single HQQE CURUS,NSF61 ISO9906:2012 3B		
		<b>Materials:</b> Base:	Cast iron EN 1561 EN-GJL-200		
		Impeller:	ASTM A48-25B Stainless steel EN 1.4301		
		Bearing:	AISI 304 SIC		
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi		
		Type of connection: Size of suction port:	Oval / NPT(F) 1 inch		



Company name: Created by: Phone:

			Date:	10/24/2018
Position	Count	Description		
		Size of outlet port:	1 inch	
		Pressure rating for pipe connect		
		Flange size for motor:	56C	
		Electrical data:		
		Motor standard:	NEMA Baldor	
		Motor type: Rated power - P2:	0.33 HP	
		Power (P2) required by pump:	0.33 HP	
		Main frequency:	60 Hz	
		Rated voltage:	1 x 115/230 V	
		Service factor:	1.35	
		Rated current:	6.00/3.00 A	
		Rated speed:	3450 rpm	
		Number of poles:	2	
		Insulation class (IEC 85):	В	
		Others:		
		Net weight:	49 lb	
		Gross weight:	60 lb	
		Shipping volume:	4.94 ft <sup>3</sup>	
		Country of origin: Custom tariff no.:	US 8413.70.2040	
			0413.70.2040	
	1	1		





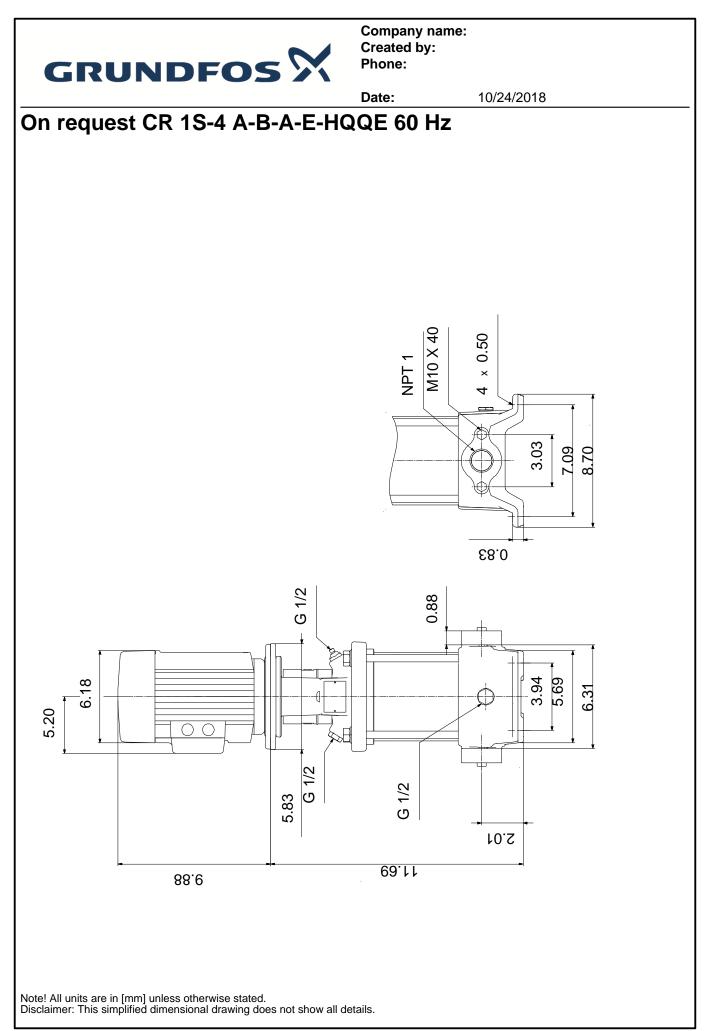
## Company name: Created by: Phone:

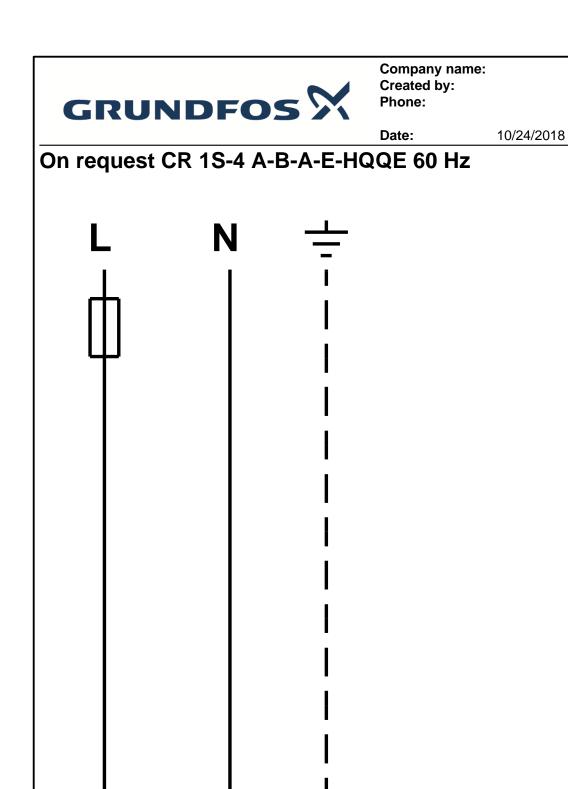
		Date:		10/24	/2018			
Description	Value	H [ft]					CR 1S-4, 60Hz	eta [%]
General information:								
Product name:	CR 1S-4 A-B-A-E-HQQE	120 -						- 60
Product No.:	On request	110 -						- 55
EAN:	On request							
Technical:		100 -						- 50
Rated flow:	4.84 US gpm	90 -						- 45
Rated head:	77.76 ft					$\mathbb{N}$		
		80 -						- 40
Stages:	4	70 -						- 35
Impellers:	4							- 30
Number of reduced-diameter impellers:	0	60 -						- 30
Low NPSH:	Ν	50 -						- 25
Pump orientation:	Vertical	40 -						- 20
Shaft seal arrangement:	Single	40-						<b>2</b> 0
Code for shaft seal:	HQQE	30 -						- 15
Approvals on nameplate:	CURUS,NSF61	20 -						- 10
Curve tolerance:	ISO9906:2012 3B							
Pump version:	A	10-						-5
Model:	A	o 🖊				$\vdash$		Lo
Cooling:	TEFC	o o	.5 1.0 1.5	2.0 2.5 3	3.0 3.5 4	.0 4.5	Q [US gpm]	·= ۰
Materials:	V	P2 [HP]						NPS [ft]
Base:	Cast iron					+		F Ì
Dase.		0.25 -				+-+		- 25
	EN 1561 EN-GJL-200	0.20						20
	ASTM A48-25B	0.20 -		-				- 20
Impeller:	Stainless steel	0.15					/	- 15
	EN 1.4301	0.10						
	AISI 304	0.10 -						- 10
Material code:	A	0.05 -						-5
Code for rubber:	E	0.05 -						[]
Bearing:	SIC	0.00						L <sub>0</sub>
Installation:								
Maximum ambient temperature:	104 °F		5.20					
Maximum operating pressure:	232 psi		0.18	7				
Maximum operating pressure. Max pressure at stated temperature:	232 psi / 250 °F							
max pressure at stated temperature.		6.88						
	232 psi / -4 °F		۲Щ.					
Type of connection:	Oval / NPT(F)							
Size of suction port:	1 inch	5.6	3 G 1/2	G 1/2				
Size of outlet port:	1 inch							
Pressure rating for pipe connection:	PN 16	69 1: 69	1/2	٦ľ	Ì I I I I I I I I I I I I I I I I I I I	-11		
Flange size for motor:	56C	~ ~ <u>~</u>	1/2	0.88		NPT M10	1 X 40	
Connect code:	В	· · · ·		, ,		4		
Liquid:		2.01		ŧľ <sup>°</sup>	°µ∕¥ <sup>¥</sup>	Ň	0.50	
Pumped liquid:	Water		3.94	1	3.03	1		
Liquid temperature range:	-4 248 °F		6.31		8.70	<b>_</b> _		
Liquid temperature during operation:	-4 246 F 68 °F							
Density:	62.29 lb/ft <sup>3</sup>	LN	÷					
Electrical data:		. <del>Н</del> Т	1					
Motor standard:	NEMA	ΨΙ	1					
Motor type:	Baldor		i					
Rated power - P2:	0.33 HP		Ì					
Power (P2) required by pump:	0.33 HP		I					
Main frequency:	60 Hz		ļ					
Rated voltage:	1 x 115/230 V		1					
Service factor:	1.35		1					
			i					
Rated current:	6.00/3.00 A		I.					
Load current:	6.8/3.4 A		/					
Rated speed:	3450 rpm	$\backslash \square$	i					
Number of poles:	2	M						
Insulation class (IEC 85):	В	,						



Company name: Created by: Phone:

		-	
		Date:	
Description	Value		
Motor Number:	85680001		
Controls:			
Frequency converter:	NONE		
Others:			
Net weight:	49 lb		
Gross weight:	60 lb		
Shipping volume:	4.94 ft <sup>3</sup>		
Country of origin:	US		
Custom tariff no .:	8413.70.2040		





All units are [mm] unless otherwise presented.