

## Submittal Data

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

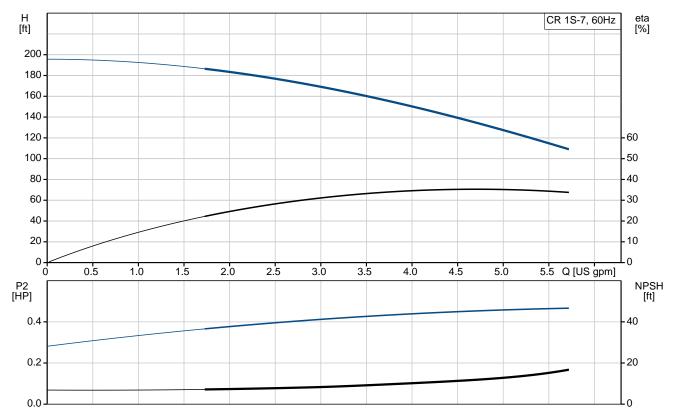


## CR 1S-7 A-B-A-E-HQQE

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)

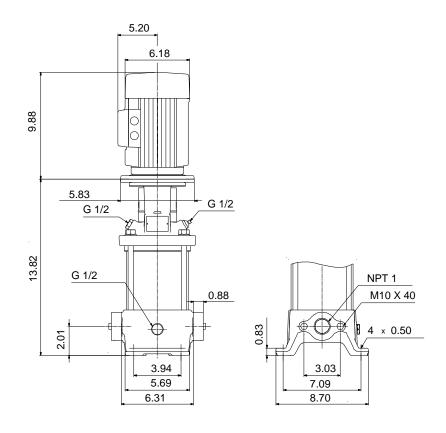
Product photo could vary from the actual product

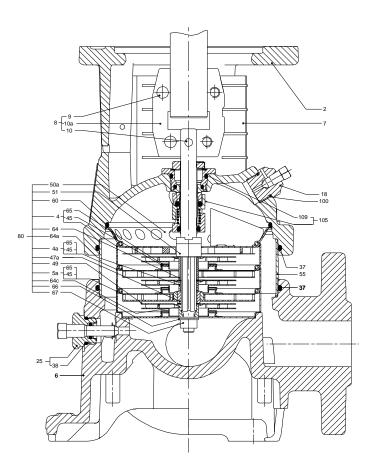
Conditions	of Service	Pump Data		Motor Data				
Flow: Head:		Max pressure at stated temperature: Liquid temperature range:	232 psi / 250 °F -4 248 °F	Rated power - P2: Rated voltage:	0.5 HP 115/230 V			
Efficiency:		Maximum ambient temperature:	-4 248 T 104 °F	Main frequency:	60 Hz			
Liquid:	Water	Approvals:	CURUS,NSF61	Enclosure class:	54 Dust/Splashing			
Temperature:	68 °F	Shaft seal:	HQQE	Insulation class:	В			
NPSH required: Viscosity:	ft	Product number:	96080885	Motor type:	Baldor			
Specific Gravity:	1.000							



## Submittal Data







Materials:
materials.

Base:

Impeller:

Material code: A Code for rubber: E

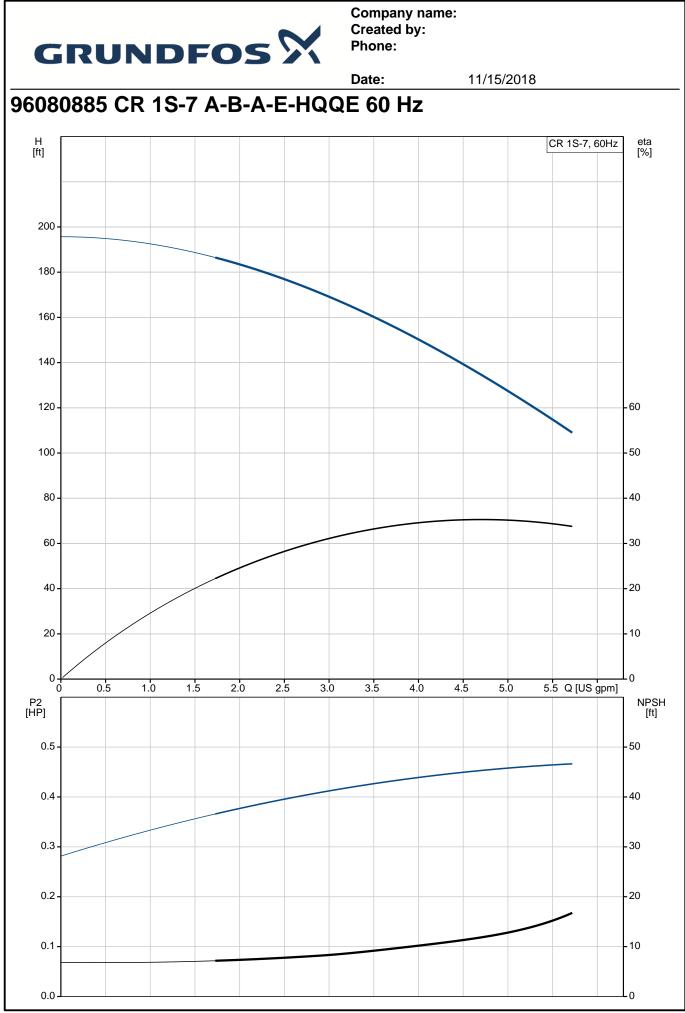
Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

G	RU		Company na Created by: Phone:	me:	
			Date:	11/15/2018	
Position	Count	Description			
	1	CR 1S-7 A-B-A-E-HQQE			
		Product No.: 96080885 Vertical, non-self-priming, multisi centrifugal pump for installation i and mounting on a foundation.			
		The pump has the following char - Impellers and intermediat - The shaft seal has assem according to EN 12756. - Power transmission is via	e chambers are made of bly length		
		coupling. The motor is a 1-phase AC moto	r.		
		Controls: Frequency converter:	NONE		
		<b>Liquid:</b> Pumped liquid: Liquid temperature range: Liquid temperature during operation Density:	Water -4 248 °F tion: 68 °F 62.29 lb/ft³		
		<b>Technical:</b> Rated pump speed: Rated flow: Rated head: Pump orientation: Shaft seal arrangement: Code for shaft seal: Approvals on nameplate: Curve tolerance:	3443 rpm 4.84 US gpm 130.6 ft Vertical Single HQQE CURUS,NSF61 ISO9906:2012 3B		
		Materials: Base:	Cast iron EN 1561 EN-GJL-200 ASTM A48-25B		
		Impeller:	Stainless steel EN 1.4301 AISI 304		
		Bearing:	SIC		
		Installation: Maximum ambient temperature: Maximum operating pressure: Max pressure at stated temperat	232 psi		
		Type of connection:	Oval / NPT(F)		



Company name: Created by: Phone:

Site   Count   Size of suction port:   1 inch     Size of suction port:   1 inch   Pressure rating for pipe connection::   PN 16     Flange size for motor:   55C     Electrical data:   NEMA     Motor standard:   NEMA     Main frequency:   60 Hz     Rated opower -P2:   0.5 HP     Main frequency:   60 Hz     Rated opower -P2:   3450 rpm     Number of poles:   2     Enclosure class (IEC 34-5):   54 Dust/Splashing     Insulation class (IEC 34-5):   59 Ib     Grass weight:   55.9 Ib     Grass weight:   55.9 Ib     Grass weight:   56.9 Ib     Stripping volume:   4.94 ft?     Country of origin:   US     Curstor tariff no.:   8413.70.2040				Date:	11/15/2018
Size of outlet port: 1 inch   Pressure rating for pipe connection: PN 16   Flange size for motor: 56C   Electrical data: NEMA   Motor standard: NEMA   Motor type: Baldor   Rated power - P2: 0.5 HP   Power (P2) required by pump: 0.5 HP   Main frequency: 60 Hz   Rated voltage: 1 x 115/230 V   Service factor: 1.60   Rated voltage: 3450 rpm   Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 85): B   Others: 0   Net weight: 55.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US	Position	Count	Description		
Size of outlet port: 1 inch   Pressure rating for pipe connection: PN 16   Flange size for motor: 56C   Electrical data: NEMA   Motor standard: NEMA   Motor type: Baldor   Rated power - P2: 0.5 HP   Power (P2) required by pump: 0.5 HP   Main frequency: 60 Hz   Rated voltage: 1 x 115/230 V   Service factor: 1.60   Rated voltage: 3450 rpm   Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 35): B   Others: Net weight:   Net weight: 55.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US			Size of suction port:	1 inch	
Flange size for motor: 56C   Electrical data: NEMA   Motor standard: NEMA   Motor type: Baldor   Rated power - P2: 0.5 HP   Power (P2) required by pump: 0.5 HP   Main frequency: 60 Hz   Rated voltage: 1 x 115/230 V   Service factor: 1.60   Rated speed: 3450 rpm   Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 85): B   Others: Net weight:   Net weight: 55.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US			Size of outlet port:	1 inch	
Electrical data:NEMAMotor standard:NEMAMotor type:BaldorRated power - P2:0.5 HPPower (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:St.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Motor standard:NEMAMotor type:BaldorRated power - P2:0.5 HPPower (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:Net weight:Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US			Flange size for motor:	56C	
Motor standard:NEMAMotor type:BaldorRated power - P2:0.5 HPPower (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:Net weight:Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Motor type:BaldorRated power - P2:0.5 HPPower (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:0Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Rated power - P2:0.5 HPPower (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft <sup>3</sup> Country of origin:US					
Power (P2) required by pump:0.5 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft <sup>3</sup> Country of origin:US					
Main frequency:60 HzRated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Rated voltage:1 x 115/230 VService factor:1.60Rated current:7.4/3.7 ARated speed:3450 rpmNumber of poles:2Enclosure class (IEC 34-5):54 Dust/SplashingInsulation class (IEC 85):BOthers:VNet weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Service factor: 1.60   Rated current: 7.4/3.7 A   Rated speed: 3450 rpm   Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 85): B   Others: S5.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US					
Rated speed: 3450 rpm   Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 85): B   Others: Net weight:   Software: 55.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US			Service factor:		
Number of poles: 2   Enclosure class (IEC 34-5): 54 Dust/Splashing   Insulation class (IEC 85): B   Others: Net weight:   Software 55.9 lb   Gross weight: 66.9 lb   Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US					
Enclosure class (IEC 34-5): 54 Dust/Splashing Insulation class (IEC 85): B Others: Net weight: 55.9 lb Gross weight: 66.9 lb Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US					
Insulation class (IEC 85): B Others: Net weight: 55.9 lb Gross weight: 66.9 lb Shipping volume: 4.94 ft <sup>3</sup> Country of origin: US			Number of poles:		
Others:Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US					
Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US			Insulation class (IEC 85):	В	
Net weight:55.9 lbGross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US			Others:		
Gross weight:66.9 lbShipping volume:4.94 ft³Country of origin:US				55.9 lb	
Shipping volume:4.94 ft³Country of origin:US					
Country of origin: US					
Custom tariff no.: 8413.70.2040					
				8413.70.2040	



Printed from Grundfos Product Center [2018.07.004]



## Company name: Created by: Phone:

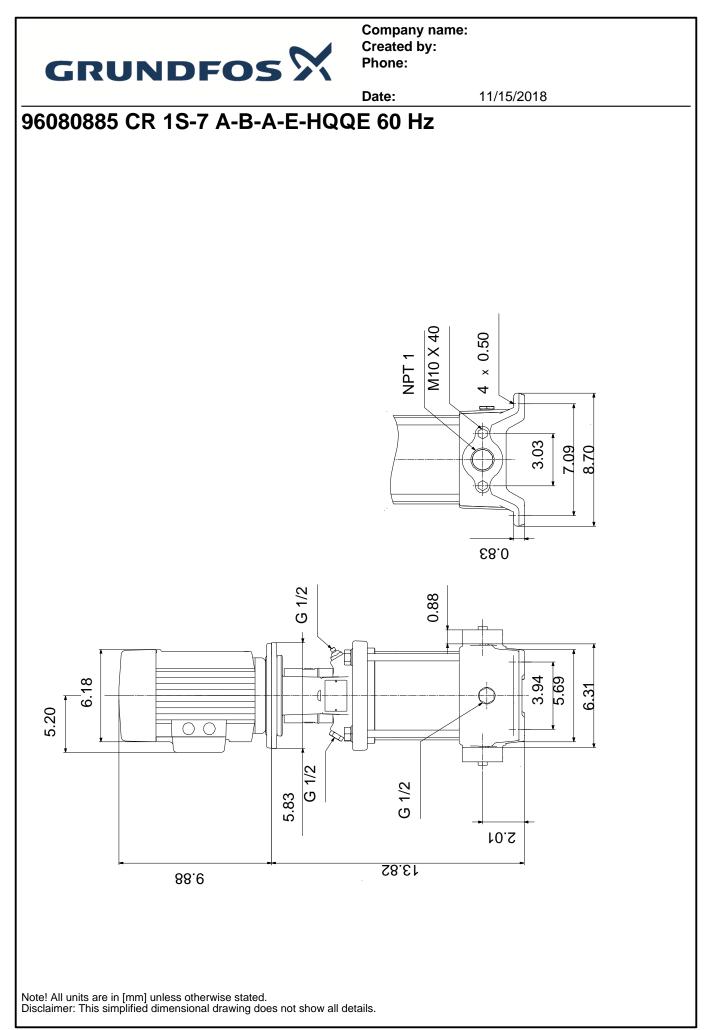
		Date:			11/	/15/2	2010	<u> </u>			
Description	Value	H [ft]							CR 1	S-7, 60Hz	eta [%]
General information:					_			_			
Product name:	CR 1S-7 A-B-A-E-HQQE	200									
Product No.:	96080885	200 -									
EAN:	5700395153439	180 -						_			
Technical:	5700393133439					$\searrow$					
	0.4.40	160 -					$\searrow$	_			
Rated pump speed:	3443 rpm							$\searrow$			
Rated flow:	4.84 US gpm	140 -									-
Rated head:	130.6 ft	120 -									- 60
Head max:	194.2 ft										
Stages:	7	100 -									- 50
Impellers:	7										
Number of reduced-diameter impellers:	0	80 -									- 40
Low NPSH:	Ν	60 -								<u> </u>	- 30
Pump orientation:	Vertical										
Shaft seal arrangement:	Single	40 -			-						- 20
Code for shaft seal:	HQQE	~									10
Approvals on nameplate:	CURUS,NSF61	20 -	$\times$								- 10
Curve tolerance:	ISO9906:2012 3B	0				$\square$					L
Pump version:	A	o	0.5 1.	0 1.5	2.0 2	5 3.0	3.5	4.0 4	.5 Q	[US gpm]	-
Model:	A	P2 [HP]									NPS [ft]
		0.5 -			_						- 50
Cooling:	TEFC							_	$\vdash$	+	
Materials:		0.4 -				$\vdash$		_			- 40
Base:	Cast iron			$\vdash$	-						
	EN 1561 EN-GJL-200	0.3 -									- 30
	ASTM A48-25B	0.2 -									- 20
Impeller:	Stainless steel	0.2									- 20
	EN 1.4301	0.1 -						_		-	- 10
	AISI 304										
Material code:	A	0.0									L <sub>0</sub>
Code for rubber:	E			E 20							
Bearing:	SIC			5.20 6.18							
Installation:		r -			_						
Maximum ambient temperature:	104 °F										
Maximum operating pressure:	232 psi	9.88		0							
Max pressure at stated temperature:	232 psi / 250 °F			J.	Ų						
max pressure at stated temperature.		+	5.83	r <del>ff</del> f	É1						
	232 psi / -4 °F		<u>G 1/2</u>		G1	/2					
Type of connection:	Oval / NPT(F)										
Size of suction port:	1 inch	13.82	<u>G 1/2</u>				Ì		NPT 1		
Size of outlet port:	1 inch				0.8	8			M10 X 40		
Pressure rating for pipe connection:	PN 16		- I <sub>a</sub>	Ŧφ	₽	.83	K	Ð.	4 × 0.50		
Flange size for motor:	56C	L	5 l		ŧſ	٦	ťſ.	<u> </u>			
Connect code:	В			3.94			. 7.	09 09			
Liquid:				6.31	<del>/</del>	l	8.	10.			
Pumped liquid:	Water										
Liquid temperature range:	-4 248 °F			_							
Liquid temperature during operation:	68 °F		1 4	-							
Density:	62.29 lb/ft <sup>3</sup>	ф	l i								
Electrical data:		Ψ	!								
Motor standard:	NEMA		!								
Motor type:	Baldor		¦								
Rated power - P2:	0.5 HP		l i								
Power (P2) required by pump:	0.5 HP		!								
Main frequency:	60 Hz		!								
Rated voltage:	1 x 115/230 V										
Service factor:	1.60	Į	) ¦								
Rated current:	7.4/3.7 A		' /								
	0.0//.0.1	$\sim$	. í								
Load current:	9.8/4.9 A	/ М	Y								

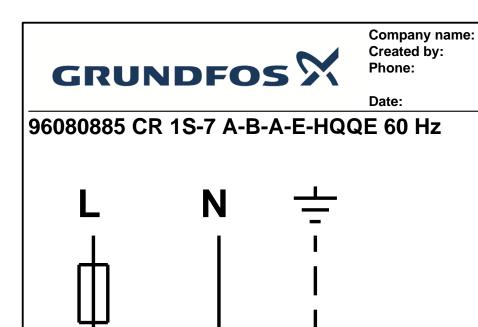
Printed from Grundfos Product Center [2018.07.004]



Company name: Created by: Phone:

		Date:	11/15/2018	
Description	Value			
Number of poles:	2			
Enclosure class (IEC 34-5):	54 Dust/Splashing			
Insulation class (IEC 85):	В			
Motor Number:	85700002			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	55.9 lb			
Gross weight:	66.9 lb			
Shipping volume:	4.94 ft <sup>3</sup>			
Country of origin:	US			
Custom tariff no.:	8413.70.2040			





11/15/2018

All units are [mm] unless otherwise presented.