

## Submittal Data

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

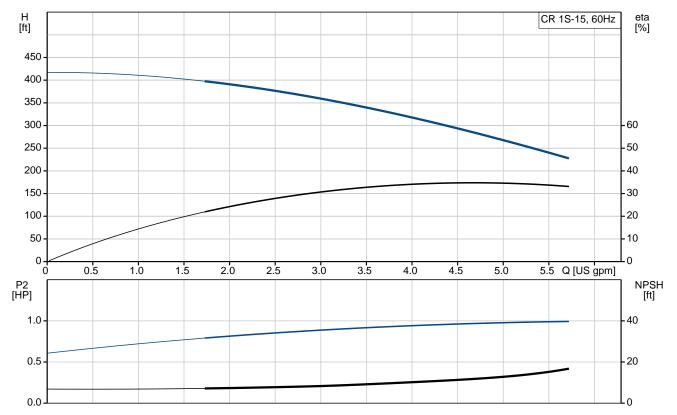


## CR 1S-15 A-B-A-E-HQQE

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)

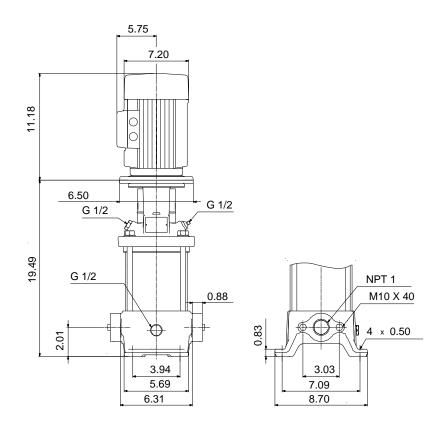
Product photo could vary from the actual product

Conditions of Service		Pump Data			Motor Data	
Flow:		Max pressure at stated temperature:	232 psi / 250 °F	Rated power - P2:	1 HP	
Head:		Liquid temperature range:	-4 248 °F	Rated voltage:	115/230 V	
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz	
Liquid:	Water	Approvals:	CURUS,NSF61	Insulation class:	В	
Temperature:	68 °F	Shaft seal:	HQQE	Motor protection:	NONE	
NPSH required:	ft	Product number:	96080899	Motor type:	Baldor	
Viscosity:						
Specific Gravity:	1.000					



## Submittal Data





Materials:

Impeller:

Base:

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

Material code:

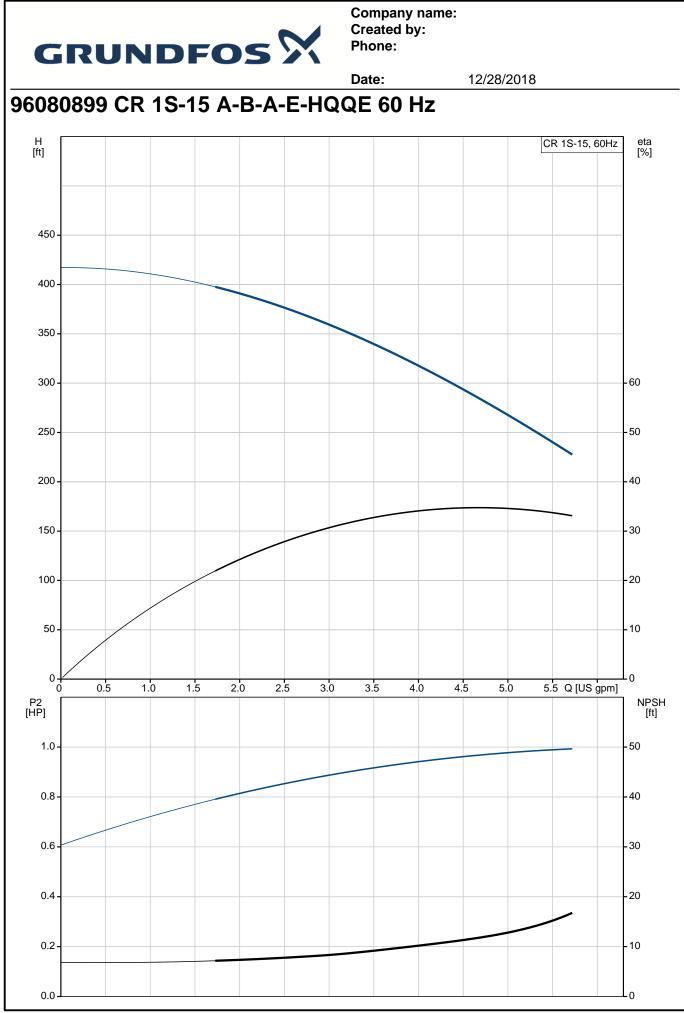
Code for rubber: E

Date:     1/228/2013       Count     Description       1     CR 15-15 A-B-A-E-HOQE       Image: Product No::     96080959       Vertical, non-self-priming, multistage, in-line. centrifugal pump for installation in pipe systems and monting on a foundation.     Preduct No::       The pump has the following characteristics: <ul> <li>Impeliers and intermediate chambers are made of</li> <li>The shaft seah has assembly length according to EN 12756.</li> <li>Power transmission is via cast iron split coupling.</li> </ul> The motor is a 1-phase AC motor.           Controls: Frequency converter:         NONE           Liquid temperature range:         4248 "F           Pumped liquid:         Water           Liquid temperature range:         4248 "F           Pumped liquid:         Water           Liquid temperature during operation:         68 "F           Density:         62.29 lb/1 <sup>th</sup> Technical:         Rated pump speed:           Rated pump speed:         3450 rpm           Rated head:         276.3 ft           Pump orientation:         Vertical           Rated head:         276.3 ft           Pump orientation:         Kertical           Rated head:         EOS06052012 3B           Materials:         Base:	C	RUNDFO	s X	Company n Created by: Phone:					
1       CR 18-15 A-B-A-E-HQQE         Product No:: 96080899         Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         - Impeliers and intermediate chambers are made of         - The shaft seal has assembly length         according to EN 12756.         - Power transmission is via cast iron split         coupling.         The motor is a 1-phase AC motor.         Controls:         Frequency converter:       NONE         Liquid:       Water         Liquid temperature range:       -4. 248 °F         Liquid temperature range:       -4. 248 °F         Liquid temperature range:       -4. 248 °F         Liquid temperature scales:       276.3 ft         Pump orientation:       Vertical         Rated pump speed:       3450 rpm         Rated flow:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Cade for shaft seal:       276.3 ft         Pump orientation:       Vertical         Shaft seal       HOE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO99				Date:	12/28/2018				
Product No: 9000099         Vertical, non-self-priming, mullistage, in-line, contriving a pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         Impellers and intermediate chambers are made of 1.         Impellers	Count	Description							
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         • Impellers and intermediate chambers are made of         • The shaft seal has assembly length according to EN 12756.         • Power transmission is via cast iron split         coupling.         The motor is a 1-phase AC motor.         Controls:         Frequency converter:       NONE         Liquid temperature range:       4248 °F         Liquid temperature during operation:       68 °F         Density:       6229 lb/ft <sup>a</sup> Technical:       Rated pump speed:       3450 rpm         Rated pump orientation:       Vertical         Shaft seal arrangement:       Single       Code for shaft seal:         Code for shaft seal:       HOQE       Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       LS304       Eearing:       Stainless steel         En 1561 EN-CJL-200       ASTM A48-25B       Impeller:       Stainless steel         En 14.301       Als1 304       Eearing:	1	CR 1S-15 A-B-A-E-HQQE							
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         • Impellers and intermediate chambers are made of         • The shaft seal has assembly length according to EN 12756.         • Ower transmission is via cast iron split         coupling.         The motor is a 1-phase AC motor.         Controls:         Frequency converter:       NONE         Liquid temperature range:       4248 °F         Liquid temperature during operation:       68 °F         Density:       62.29 lb/ft <sup>a</sup> Technical:       Rated flow:       4.40 S grm         Rated flow:       4.44 US grm         Rated flow:       4.94 US grm         Rated flow:       4.94 US grm         Rated flow:       2.76.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HOQE									
Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.         The pump has the following characteristics:         • Impellers and intermediate chambers are made of         • The shaft seal has assembly length according to EN 12756.         • Power transmission is via cast iron split         coupling.         The motor is a 1-phase AC motor.         Controls:         Frequency converter:       NONE         Liquid temperature range:       4248 °F         Liquid temperature during operation:       68 °F         Density:       6229 lb/ft <sup>a</sup> Technical:       Rated pump speed:       3450 rpm         Rated pump orientation:       Vertical         Shaft seal arrangement:       Single       Code for shaft seal:         Code for shaft seal:       HOQE       Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       LS304       Eearing:       Stainless steel         En 1561 EN-CJL-200       ASTM A48-25B       Impeller:       Stainless steel         En 14.301       Als1 304       Eearing:		Product No · 96080899							
centrifugal pump for insiallation in pipe systems and mounting on a foundation. The pump has the following characteristics: Impellers and intermediate chambers are made of The shaft seal has assembly length according to EN 12756. Power transmission is via cast iron split coupling. The motor is a 1-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: 4248 °F Liquid temperature during operation: 68 °F Density: 62.29 Ib/ft <sup>3</sup> Technical: Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated flow: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 14:301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 pi / -4 °F			stage, in-line,						
The pump has the following characteristics: Impellers and intermediate chambers are made of The shaft seal has assembly length according to EN 12756. Power transmission is via cast iron split coupling. The motor is a 1-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: 4 248 °F Liquid temperature auring operation: 68 °F Dennity: 62.29 lb/f <sup>th</sup> Technical: Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated flow: 4.84 US gpm Rated head: 276.3 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HOQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1651 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel Impeller: Stainless steel		centrifugal pump for installation							
<ul> <li>Impellers and intermediate chambers are made of         <ul> <li>The shaft seal has assembly length</li></ul></li></ul>		and mounting on a foundation.							
Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -4 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/t <sup>1</sup> Technical: Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated flow: 500906:2012 3B Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi / 250 °F 232 psi / 24 °F		<ul> <li>Impellers and intermedia</li> <li>The shaft seal has assert according to EN 12756.</li> <li>Power transmission is vi</li> </ul>	te chambers are m nbly length	ade of					
Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -4 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/tt <sup>3</sup> Technical: Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated flow: 500906:2012 3B Materials: En 1561 EN-GJL-200 ASTM A48-25B Impeller: 518inless steel EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi / 250 °F 232 psi / -4 °F									
Frequency converter:       NONE         Liquid:       Water         Liquid temperature range:       -4248 °F         Liquid temperature during operation:       68 °F         Density:       62.29 lb/ft³         Technical:       Rated pump speed:         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       EN 1561 EN-GJL-200         ASTM A48-25B       Impeller:         Stainless steel       EN 1561 EN-GJL-200         ASTM A48-25B       Impeller:         Matsi 304       Bearing:         Bearing:       SIC         Installation:       Maximum ambient temperature: 104 °F         Maximum aperating pressure:       232 psi / 250 °F         232 psi / 24 °F       232 psi / 250 °F		The motor is a 1-phase AC mot	The motor is a 1-phase AC motor.						
Frequency converter:       NONE         Liquid:       Water         Liquid temperature range:       -4248 °F         Liquid temperature during operation:       68 °F         Density:       62.29 lb/ft³         Technical:       Rated pump speed:         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       EN 1561 EN-GJL-200         ASTM A48-25B       Impeller:         Stainless steel       EN 1561 EN-GJL-200         ASTM A48-25B       Impeller:         Matsi 304       Bearing:         Bearing:       SIC         Installation:       Maximum ambient temperature: 104 °F         Maximum aperating pressure:       232 psi / 250 °F         232 psi / 24 °F       232 psi / 250 °F		Controls							
Liquid:       Pumped liquid:       Water         Liquid temperature range:       -4248 °F         Liquid temperature during operation:       68 °F         Density:       62.29 lb/ft³         Technical:       Rated pump speed:         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       EN 1561 EN-GJL-200         ASTM A48-25B       Impeller:         Stainless steel       EN 1561 EN-GJL-200         Maximum ambient temperature:       104 °F         Maximum apperating pressure:       232 psi / 250 °F         Max pressure a			NONE						
Pumped liquid:       Water         Liquid temperature range:       -4248 °F         Liquid temperature during operation:       68 °F         Density:       62.29 lb/ft <sup>3</sup> Technical:         Rated pump speed:       3450 rpm         Rated flow:       4.84 US gpm         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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: 104 °F         Maximum operating pressure:       232 psi / 250 °F         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F       232 psi / -4 °F									
Liquid temperature range: -4 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ <b>Technical:</b> Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated head: 276.3 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B <b>Materials:</b> Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC <b>Installation:</b> Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi / 250 °F 232 psi / -4 °F									
Liquid temperature during operation: 68 °F Density: 62.29 lb/ft <sup>3</sup> <b>Technical:</b> Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm Rated head: 276.3 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B <b>Materials:</b> Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC <b>Installation:</b> Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi / 250 °F 232 psi / -4 °F									
Density:       62.29 lb/ft <sup>3</sup> Technical:       Rated pump speed:       3450 rpm         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F									
Technical:         Rated pump speed:       3450 rpm         Rated flow:       4.84 US gpm         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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: 104 °F         Maximum operating pressure:       232 psi / 250 °F         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F       Si / 4 °F									
Rated pump speed:       3450 rpm         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       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: 104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F       232 psi / -4 °F		Density:	62.29 ID/III3						
Rated pump speed:       3450 rpm         Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       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: 104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F       232 psi / -4 °F		Technical:							
Rated flow:       4.84 US gpm         Rated head:       276.3 ft         Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       En 1561 EN-GJL-200         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:       104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F			3450 rpm						
Pump orientation:       Vertical         Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F									
Shaft seal arrangement:       Single         Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F		Rated head:							
Code for shaft seal:       HQQE         Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F									
Approvals on nameplate:       CURUS,NSF61         Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F									
Curve tolerance:       ISO9906:2012 3B         Materials:       Base:         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:       104 °F         Maximum operating pressure:       232 psi / 250 °F         232 psi / -4 °F									
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: 104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F				<b>`</b>					
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:       104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F		Curve tolerance:	1509906:2012 35	5					
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:       104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F		Materials:							
ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F			Cast iron						
Impeller:       Stainless steel         EN 1.4301         AISI 304         Bearing:       SIC         Installation:         Maximum ambient temperature:       104 °F         Maximum operating pressure:       232 psi         Max pressure at stated temperature:       232 psi / 250 °F         232 psi / -4 °F			EN 1561 EN-GJL	-200					
EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F									
AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F		Impeller:							
Bearing:       SIC         Installation:									
Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F		Bearing:							
Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F			510						
Maximum ambient temperature: 104 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F		Installation:							
Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F		Maximum ambient temperature	: 104 °F						
232 psi / -4 °F		Maximum operating pressure:	232 psi						
		Max pressure at stated tempera							
Type of connection: Oval / NPT(F)		<b>T</b>		°F					
		I ype of connection:	Oval / NPT(F)						



Company name: Created by: Phone:

Description				
-	1 inch			
Electrical data:				
Rated power - P2:				
Power (P2) required by pump:				
Insulation class (IEC 85):	В			
Others:				
Net weight:	76.2 lb			
Gross weight:				
Shipping volume:				
Custom tariff no.:	8413.70.2040			
	Flange size for motor: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor: Rated current: Rated speed: Number of poles: Insulation class (IEC 85): Others:	Size of suction port:1 inchSize of outlet port:1 inchPressure rating for pipe connection:PN 16Flange size for motor:56CElectrical data:NEMAMotor standard:NEMAMotor type:BaldorRated power - P2:1 HPPower (P2) required by pump:1 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.25Rated current:12/6 ARated speed:3450 rpmNumber of poles:2Insulation class (IEC 85):BOthers:76.2 lbNet weight:90.7 lbShipping volume:8.26 ft³Country of origin:US	Size of suction port:1 inchSize of outlet port:1 inchPressure rating for pipe connection:PN 16Flange size for motor:56CElectrical data:Motor standard:NEMAMotor type:BaldorRated power - P2:1 HPPower (P2) required by pump:1 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.25Rated current:12/6 ARated speed:3450 rpmNumber of poles:2Insulation class (IEC 85):BOthers:76.2 lbServicy foright:90.7 lbShipping volume:8.26 ft³Country of origin:US	DescriptionSize of suction port:1 inchSize of outlet port:1 inchPressure rating for pipe connection:PN 16Flange size for motor:56CElectrical data:Motor standard:NEMAMotor type:BaldorRated power - P2:1 HPPower (P2) required by pump:1 HPMain frequency:60 HzRated voltage:1 x 115/230 VService factor:1.25Rated speed:3450 rpmNumber of poles:2Insulation class (IEC 85):BOthers:Net weight:76.2 lbGross weight:90.7 lbShipping volume:8.26 ft <sup>3</sup> Country of origin:US



Printed from Grundfos Product Center [2018.08.004]



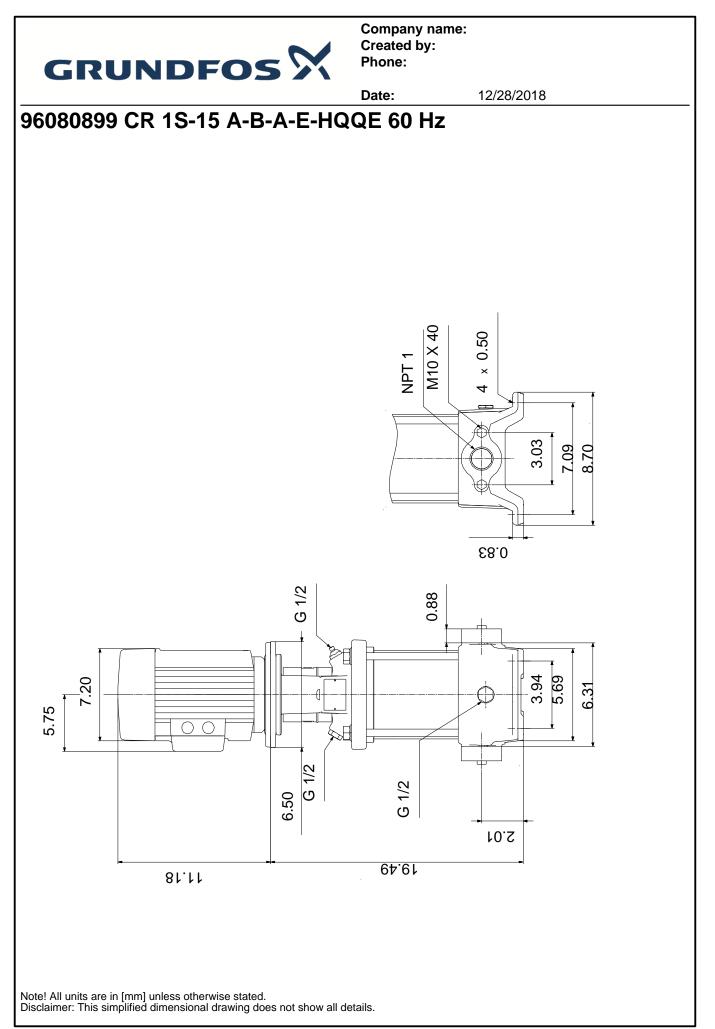
## Company name: Created by: Phone:

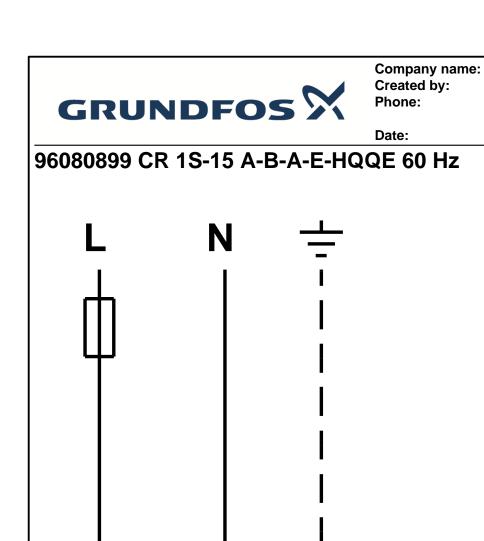
		Date:	12/28	8/2018		
Description	Value	H [ft]			CR 1S-15, 60Hz	eta [%]
General information:						
Product name:	CR 1S-15 A-B-A-E-HQQE					
Product No.:	96080899	450 -				
EAN:	5700395153576	100				
Technical:		400 -				-
Rated pump speed:	3450 rpm	350 -				
Rated flow:	4.84 US gpm	550 -				
Rated head:	276.3 ft	300 -				- 60
Head max:	415.7 ft	250 -				- 50
Stages:	15					
mpellers:	15	200 -				- 40
Number of reduced-diameter impellers	0	150 -				- 30
Low NPSH:	No	100				00
Pump orientation:	Vertical	100 -				- 20
Shaft seal arrangement:	Single					Ι.
Code for shaft seal:	HQQE	50 -				- 10
Approvals on nameplate:	CURUS,NSF61					L
Curve tolerance:	ISO9906:2012 3B	0 <del>  </del> 0 0	.5 1.0 1.5 2.0 2.5	3.0 3.5 4.0	4.5 Q [US gpm]	<u> </u>
		P2 [HP]				NPSH
Pump version:	A	[HP] 1.0 -				[ft] - 50
Model:	A					
Cooling:	TEFC	0.8 -				- 40
Materials:						
Base:	Cast iron	0.6				- 30
	EN 1561 EN-GJL-200	0.4 -				- 20
	ASTM A48-25B	0.4 -				<b>[</b> <sup>20</sup>
Impeller:	Stainless steel	0.2				- 10
	EN 1.4301	_				
	AISI 304	0.0				Lo
Material code:	A					
Code for rubber:	E		5.75			
Bearing:	SIC		1.20			
Installation:		_				
Maximum ambient temperature:	104 °F	11.18				
Maximum operating pressure:	232 psi		'UIIII			
Maximum operating pressure. Max pressure at stated temperature:	232 psi / 250 °F					
man pressure at stated temperature:	232 psi / 250 °F 232 psi / -4 °F		<u>G 1/2</u> G 1/2			
Tupo of connection:						
Type of connection:	Oval / NPT(F)	19.49	G 1/2		NPT 1	
Size of suction port:	1 inch		0.88		M10 X 40	
Size of outlet port:	1 inch	<sub>=</sub>			<u>4 × 0.50</u>	
Pressure rating for pipe connection:	PN 16	2.01	─────────────────		fi	
Flange size for motor:	56C		3.94	3.03	]	
Connect code:	В		6.31	8.70	-	
_iquid:						
Pumped liquid:	Water					
_iquid temperature range:	-4 248 °F	LN	÷			
Liquid temperature during operation:	68 °F	μl	i			
Density:	62.29 lb/ft <sup>3</sup>	ΨΙ	I.			
Electrical data:						
Motor standard:	NEMA		1			
Motor type:	Baldor					
Rated power - P2:	1 HP		I			
			I			
Power (P2) required by pump:	1 HP					
Main frequency:	60 Hz		1			
Rated voltage:	1 x 115/230 V	ļ	j			
Service factor:	1.25	\ /	/			
Rated current:	12/6 A	M	/			
Load current:	14.4/7.2 A	/ 191 \				



Company name: Created by: Phone:

		Date:	12/28/2018	
Description	Value			
Rated speed:	3450 rpm			
Number of poles:	2			
Insulation class (IEC 85):	В			
Motor protection:	NONE			
Motor Number:	84Z04004			
Controls:				
Frequency converter:	NONE			
Others:				
Net weight:	76.2 lb			
Gross weight:	90.7 lb			
Shipping volume:	8.26 ft <sup>3</sup>			
Country of origin:	US			
Custom tariff no .:	8413.70.2040			





12/28/2018

