

## Submittal Data

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

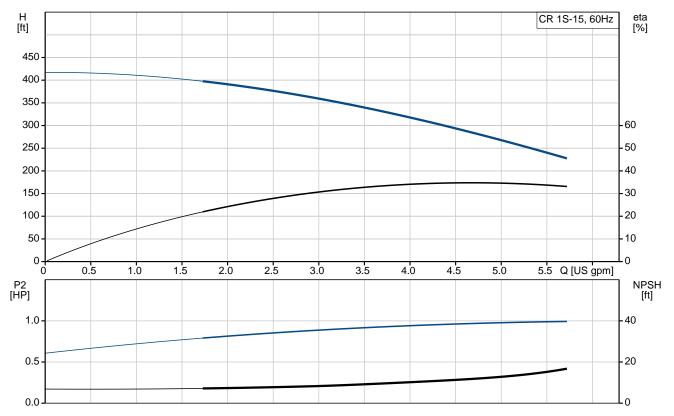


## CR 1S-15 A-B-A-V-HQQV

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)

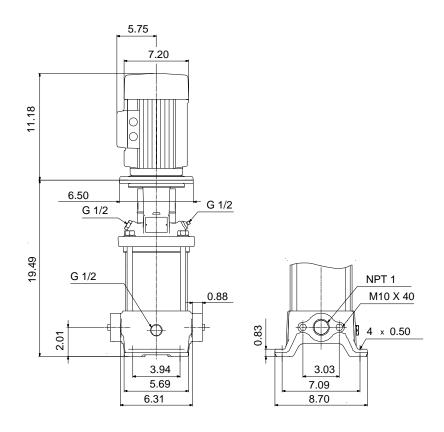
Product photo could vary from the actual product

Conditions of Service		Pump Data	Motor Data		
Flow:		Max pressure at stated temperature:	232 psi / 194 °F	Rated power - P2:	1 HP
Head:		Liquid temperature range:	-4 194 °F	Rated voltage:	115/230 V
Efficiency:		Maximum ambient temperature:	104 °F	Main frequency:	60 Hz
Liquid:	Water	Approvals:	CURUS	Insulation class:	В
Temperature:	68 °F	Shaft seal:	HQQV	Motor protection:	NONE
NPSH required:	ft	Product number:	96080969	Motor type:	Baldor
Viscosity:					
Specific Gravity:	1.000				



## Submittal Data





Materials:

Impeller:

Base:

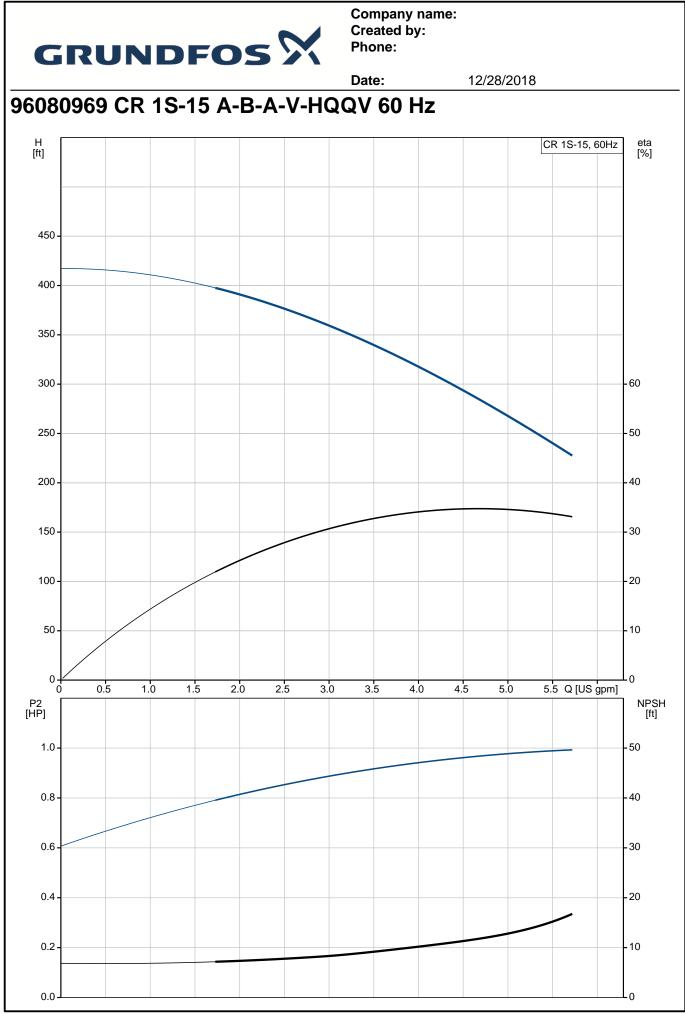
Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Stainless steel AISI 304 EN 1.4301 A

Material code: A Code for rubber: V

C	GRUNDFO	sX	Company na Created by: Phone:	ame:	
			Date:	12/28/2018	
Count	Description				
1	CR 1S-15 A-B-A-V-HQQV				
	Product No.: 96080969				
	Vertical, non-self-priming, multis	tage, in-line.			
	centrifugal pump for installation				
1	and mounting on a foundation.	-			
	The pump has the following cha - Impellers and intermedia - The shaft seal has assen according to EN 12756. - Power transmission is via coupling.	te chambers are ma hbly length	ade of		
	The motor is a 1-phase AC moto	or.			
	Controls:				
	Frequency converter:	NONE			
	Liquid: Pumped liquid:	Motor			
	Liquid temperature range:	Water -4 194 °F			
	Liquid temperature during opera Density:				
	Technical:				
	Rated pump speed:	3450 rpm			
	Rated flow:	4.84 US gpm			
	Rated head:	276.3 ft			
	Pump orientation:	Vertical			
	Shaft seal arrangement: Code for shaft seal:	Single HQQV			
	Approvals on nameplate:	CURUS			
	Curve tolerance:	ISO9906:2012 3E	3		
	Matariala				
	Materials: Base:	Cast iron			
		EN 1561 EN-GJL	-200		
		ASTM A48-25B			
	Impeller:	Stainless steel			
		EN 1.4301			
	Bearing:	AISI 304 SIC			
		010			
	Installation:				
	Maximum ambient temperature:				
	Maximum operating pressure:	232 psi turo: 232 psi / 10	∕ °⊏		
	Max pressure at stated tempera	ture: 232 psi / 19 232 psi / -4			
	Type of connection:	Oval / NPT(F)	•		
	, , , , , , , , , , , , , , , , , , ,				



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

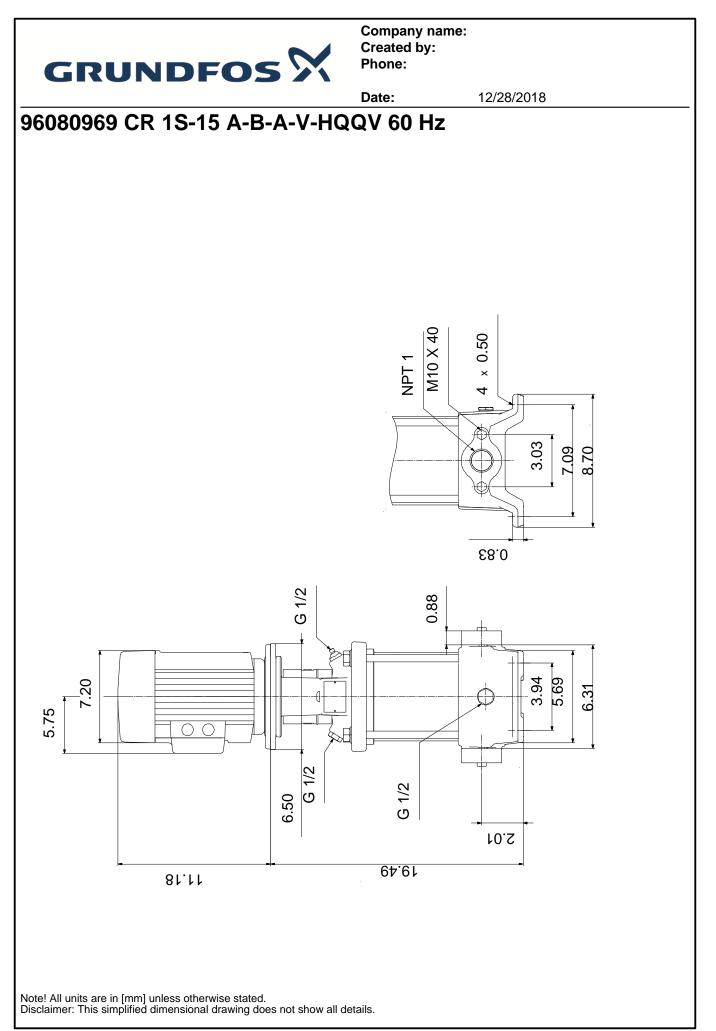




		Date:	12/2	28/2018	
Description	Value	H [ft]		CR 1S-15, 60Hz	eta [%]
General information:					
Product name:	CR 1S-15 A-B-A-V-HQQV				
Product No.:	96080969	450 -			
EAN:	5700395154276	400 -			
Technical:		400 -			
Rated pump speed:	3450 rpm	350 -			
Rated flow:	4.84 US gpm				
Rated head:	276.3 ft	300 -			60
Head max:	415.7 ft				
Stages:	15	250 -			50
Impellers:	15				10
Number of reduced-diameter impellers		200 -			40
number of reduced-diameter impeliers	0	150 -			30
Low NPSH:	No	100			00
Pump orientation:	Vertical	100 -			20
Shaft seal arrangement:	Single				
Code for shaft seal:	HQQV	50 -			10
Approvals on nameplate:	CURUS				•
	ISO9906:2012 3B	0	0.5 1.0 1.5 2.0 2.5	3.0 3.5 4.0 4.5 Q [US gpm]	0
Curve tolerance:		P2 [HP]			NPSH
Pump version:	A	[HP] 1.0 -			[ft] 50
Model:	A	1.0			
Cooling:	TEFC	0.8 -			40
Materials:	<b>2</b>				
Base:	Cast iron	0.6 -			30
	EN 1561 EN-GJL-200	0.4 -			20
	ASTM A48-25B	0.1			20
Impeller:	Stainless steel	0.2 -			10
	EN 1.4301				
	AISI 304	• 0.0 L			0
Material code:	Α		5.75		
Code for rubber:	V		7.20		
Bearing:	SIC	Г			
Installation:		11.18			
Maximum ambient temperature:	104 °F	5	ĕ		
Maximum operating pressure:	232 psi				
Max pressure at stated temperature:	232 psi / 194 °F		6.50 G 1/2		
	232 psi / -4 °F				
Type of connection:	Oval / NPT(F)		'YFFFTY'		
Size of suction port:	1 inch	19.49	<u>G 1/2</u> 0.88	NPT 1 M10 X 40	
Size of outlet port:	1 inch				
Pressure rating for pipe connection:	PN 16				
Flange size for motor:	56C	-	3.94	3.03	
Connect code:	B		6.31	8.70	
Liquid:					
Pumped liquid:	Water				
Liquid temperature range:	-4 194 °F	Ļ	N ÷		
Liquid temperature during operation:	68 °F	Н			
Density:	62.29 lb/ft <sup>3</sup>	Ψ	i		
Electrical data:	52.20 10/11				
Motor standard:	NEMA				
Motor type:	Baldor				
	1 HP		i		
Rated power - P2:					
Power (P2) required by pump:	1 HP				
Main frequency:	60 Hz				
Rated voltage:	1 x 115/230 V	l	) ;		
Service factor:	1.25		/		
Rated current:	12/6 A	M	$\searrow$		
Load current:	14.4/7.2 A	1 101	1		



		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

