

### Submittal Data

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

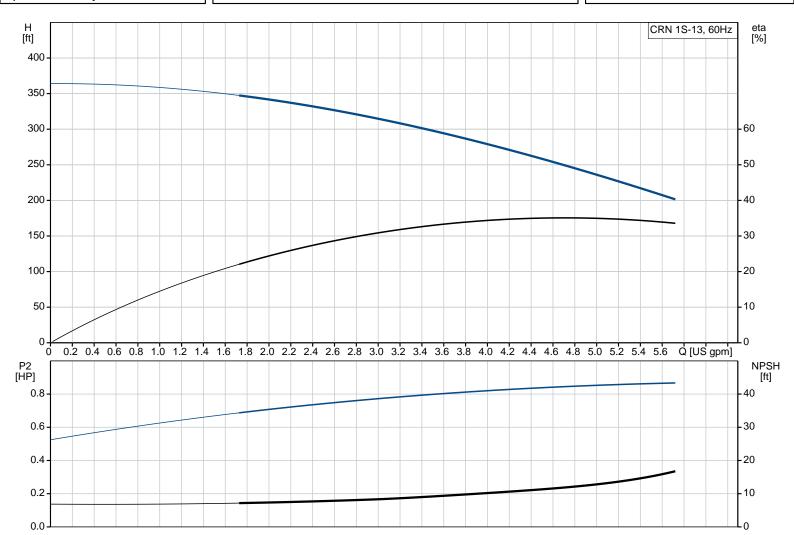


Product photo could vary from the actual product

### CRN 1S-13 A-FGJ-A-V-HQQV

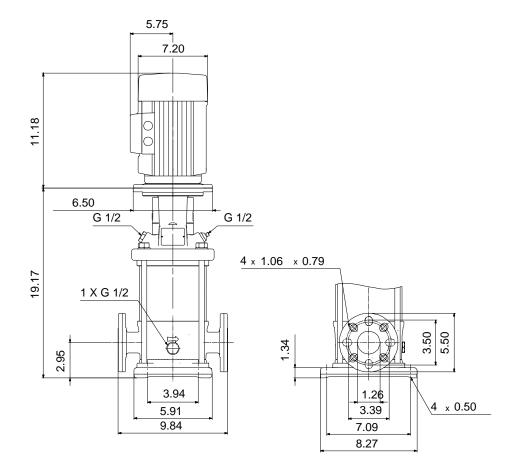
Vertical, multistage centrifugal pump with suction and discharge ports on same the level. Pump materials in contact with the liquid are in high-grade stainless steel (EN 1.4401) (AISI 316)

Conditions of Service	Pump Data		Motor Data	
Flow:Head:Efficiency:Liquid:WaterTemperature:68 °FNPSH required:ftViscosity:Specific Gravity:1.000	Max pressure at stated temperature: Liquid temperature range: Maximum ambient temperature: Approvals: Shaft seal: Product number:	363 psi / 194 °F -4 194 °F 104 °F CURUS HQQV 96081897	Rated power - P2: Rated voltage: Main frequency: Insulation class: Motor protection: Motor type:	1 HP 115/230 V 60 Hz B NONE Baldor



# **GRUNDFOS**

### Submittal Data



Materials: Base:

Impeller:

Stainless steel EN 1.4408 AISI 316 Stainless steel AISI 316 EN 1.4401 A

Material code: A Code for rubber: V



Count | Description

1 CRN 1S-13 A-FGJ-A-V-HQQV



Product No.: 96081897 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, intermediate chambers and outer sleeve are made of - Pump head cover and base are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. flanges/couplings. The motor is a 1-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -4 .. 194 °F Liquid temperature during operation: 68 °F 62.29 lb/ft3 Density: Technical: Rated pump speed: 3450 rpm Rated flow: 4.84 US gpm

Rated head: Pump orientation:	242.8 ft Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQV
Approvals on nameplate:	CURUS
Curve tolerance:	ISO9906:2012 3B
Materials:	
Base:	Stainless steel
	EN 1.4408
	AISI 316
Impeller:	Stainless steel
	EN 1.4401
	AISI 316
Bearing:	SIC
Installation:	
Maximum ambient temperature:	104 °F
Maximum operating pressure:	363 psi
Max pressure at stated temperat	ure: 363 psi / 194 °F
	363 psi /  -4 °F
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 25/32
Size of suction port:	1 1/4 inch
Size of outlet connection:	DN 25/32
Size of outlet port:	1 1/4 inch
Pressure rating for pipe connecti	on: PN 25

Date:

12/14/2018



Count | Description

Flange rating inlet:300 lbFlange size for motor:56CElectrical data:56CMotor standard:NEMAMotor type:BaldorRated power - P2:1 HPPower (P2) required by pump:1 HP

Main frequency:	60 Hz
Rated voltage:	1 x 115/230 V
Service factor:	1.25
Rated current:	12/6 A
Rated speed:	3450 rpm
Number of poles:	2
Insulation class (IEC 85):	В

#### Others:

79.4 lb
93.9 lb
8.26 ft <sup>3</sup>
US
8413.70.2040

Date:

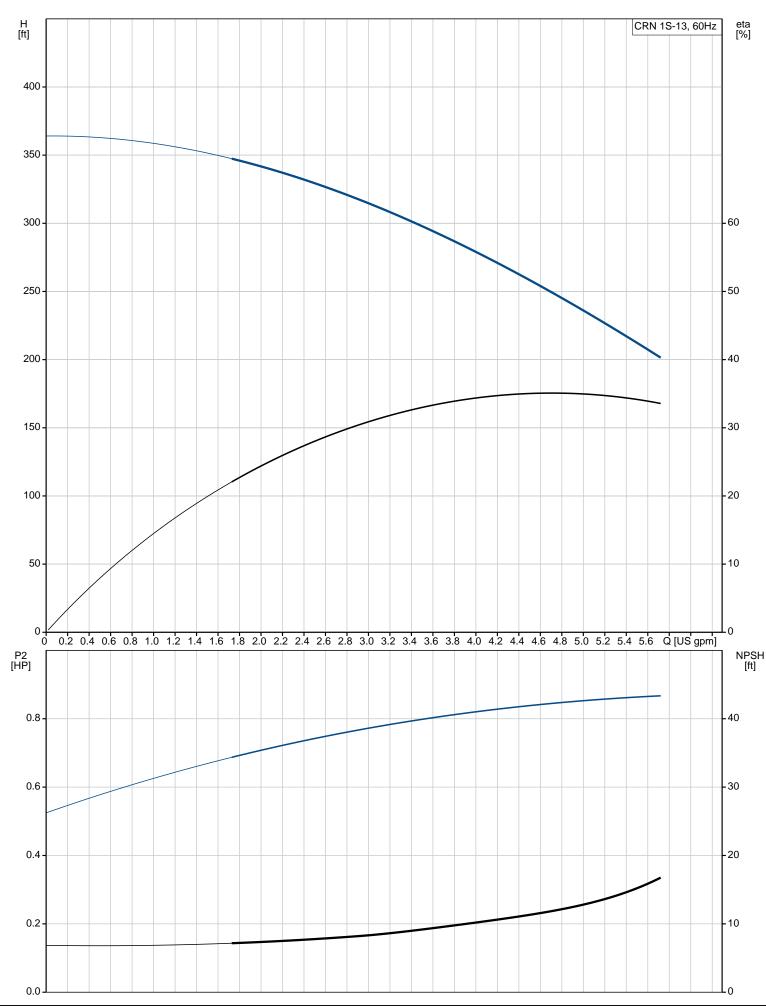
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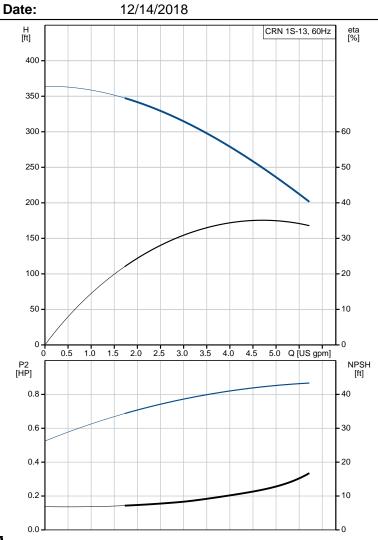
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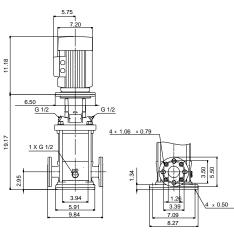
## 96081897 CRN 1S-13 A-FGJ-A-V-HQQV 60 Hz





		Date:
Description	Value	H [ft]
General information:		400 -
Product name:	CRN 1S-13 A-FGJ-A-V-HQQV	400 -
Product No.:	96081897	
EAN:	5700395163513	350 -
Technical:	0.450	
Rated pump speed:	3450 rpm	300 -
Rated flow:	4.84 US gpm	
Head max:	242.8 ft 364.5 ft	250 -
Stages:	13	
Impellers:	13	200 -
Number of reduced-diameter impellers:	0	
Low NPSH:	No	150
Pump orientation:	Vertical	150 -
Shaft seal arrangement:	Single	
Code for shaft seal:	HQQV	100 -
Approvals on nameplate:	CURUS	
Curve tolerance:	ISO9906:2012 3B	50 -
Pump version:	A	
Model:	A	
Cooling:	TEFC	0
Materials:		P2 [HP]
Base:	Stainless steel	0.8 -
	EN 1.4408	0.0 -
	AISI 316	
Impeller:	Stainless steel	0.6 -
	EN 1.4401	
	AISI 316	0.4 -
Material code:	A	
Code for rubber:	V	0.2 -
Bearing:	SIC	
Installation:	104 °F	0.0
Maximum ambient temperature:		-
Maximum operating pressure: Max pressure at stated temperature:	363 psi 363 psi / 194 °F	
max pressure at stated temperature.	363 psi / -4 °F	
Type of connection:	DIN / ANSI / JIS	
Size of inlet connection:	DN 25/32	11.18
Size of suction port:	1 1/4 inch	
Size of outlet connection:	DN 25/32	- +
Size of outlet port:	1 1/4 inch	
Pressure rating for pipe connection:	PN 25	
Flange rating inlet:	300 lb	19.17
Flange size for motor:	56C	
Connect code:	FGJ	
Liquid:		
Pumped liquid:	Water	
Liquid temperature range:	-4 194 °F	
Liquid temperature during operation:	68 °F	
Density:	62.29 lb/ft <sup>3</sup>	
Electrical data:		L
Motor standard:	NEMA	— Н
Motor type:	Baldor	Ψ
Rated power - P2:	1 HP	
Power (P2) required by pump:		
Main frequency:	60 Hz	
Rated voltage:	1 x 115/230 V	_
Service factor: Rated current:	1.25 12/6 A	
Load current:	12/6 A 14.4/7.2 A	
Rated speed:		_
Number of poles:	3450 rpm 2	
Insulation class (IEC 85):	B	- \
Motor protection:	NONE	$ \sim$
Motor Number:	84Z04004	— (M
Controls:		— <u> </u> [1~
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Date:

DescriptionValueFrequency converter:NONEOthers:ValueNet weight:79.4 lbGross weight:93.9 lbShipping volume:8.26 ft³Country of origin:USCustom tariff no.:8413.70.2040

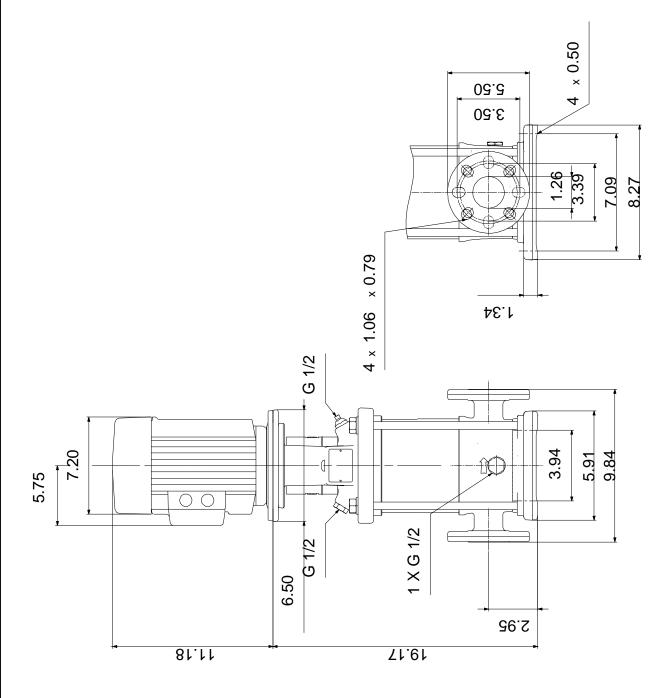
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### 96081897 CRN 1S-13 A-FGJ-A-V-HQQV 60 Hz



Note! All units are in [mm] unless otherwise stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

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# 96081897 CRN 1S-13 A-FGJ-A-V-HQQV 60 Hz

