

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

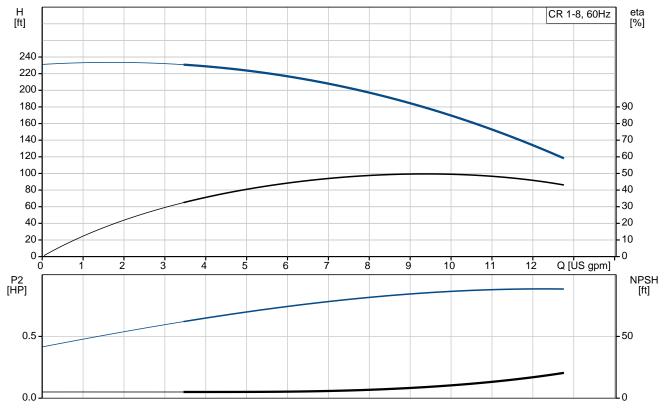
CR 1-8 A-B-A-E-HQQE

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)

Conditions of Service		
Flow:		
Head:		
Efficiency:		
Liquid:	Water	
Temperature:	68 °F	
NPSH required:	8.39 ft	
Viscosity:		
Specific Gravity:	1.000	

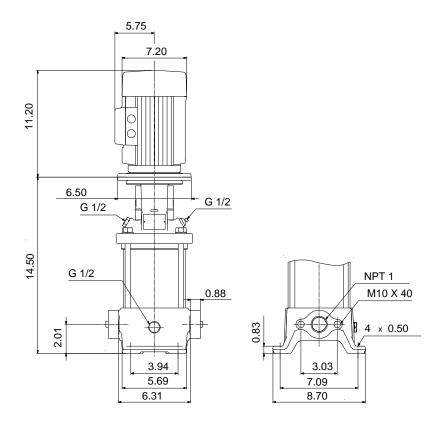
Pump Data				
Max pressure at stated temperature:	232 psi / 250 °F			
Liquid temperature range:	-4 248 °F			
Maximum ambient temperature:	104 °F			
Approvals:	CURUS,NSF61			
Shaft seal:	HQQE			
Product number:	96081977			

Motor Data				
Rated power - P2:	1 HP			
Rated voltage:	115/230 V			
Main frequency:	60 Hz			
Insulation class:	В			
Motor protection:	NONE			
Motor type:	BALDOR			





Submittal Data



Materials:

Base: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B

Impeller: Stainless steel

AISI 304

EN 1.4301

Material code: A Code for rubber: E



Date: 4/20/2020

Count | Description

CR 1-8 A-B-A-E-HQQE



Product No.: 96081977

Vertical, multistage centrifugal pump with inlet and outlet ports on same the level (inline). The pump head and base are in cast iron – all other wetted parts are in stainless steel. A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. Power transmission is via a rigid split coupling. Pipe connection is via oval flanges with internal NPT threads.

The pump is fitted with a 1-phase, fan-cooled asynchronous motor.

Liquid:

Pumped liquid: Water
Liquid temperature range: -4 .. 248 °F
Selected liquid temperature: 68 °F
Density: 62.29 lb/ft³

Technical:

Rated pump speed: 3450 rpm
Rated flow: 9.69 US gpm
Rated head: 178.5 ft
Pump orientation: Vertical
Shaft seal arrangement: Single
Code for shaft seal: HQQE

Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B

Materials:

Impeller:

Base: Cast iron

EN 1561 EN-GJL-200

ASTM A48-25B Stainless steel

EN 1.4301 AISI 304

Bearing: SIC

Installation:

Maximum ambient temperature: 104 °F Maximum operating pressure: 232.06 psi

Max pressure at stated temperature: 232 psi / 250 °F

232 psi / -4 °F

Type of connection: Oval / NPT(F)
Size of suction port: 1 inch
Size of outlet port: 1 inch
Pressure rating for connection: PN 16
Flange size for motor: 56C

Electrical data:

Motor standard: NEMA
Motor type: BALDOR



Date: 4/20/2020

Count | Description

Rated power - P2: 1 HP
Power (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): B

Motor Number: 84Z04004

Controls:

Frequency converter: NONE

Others:

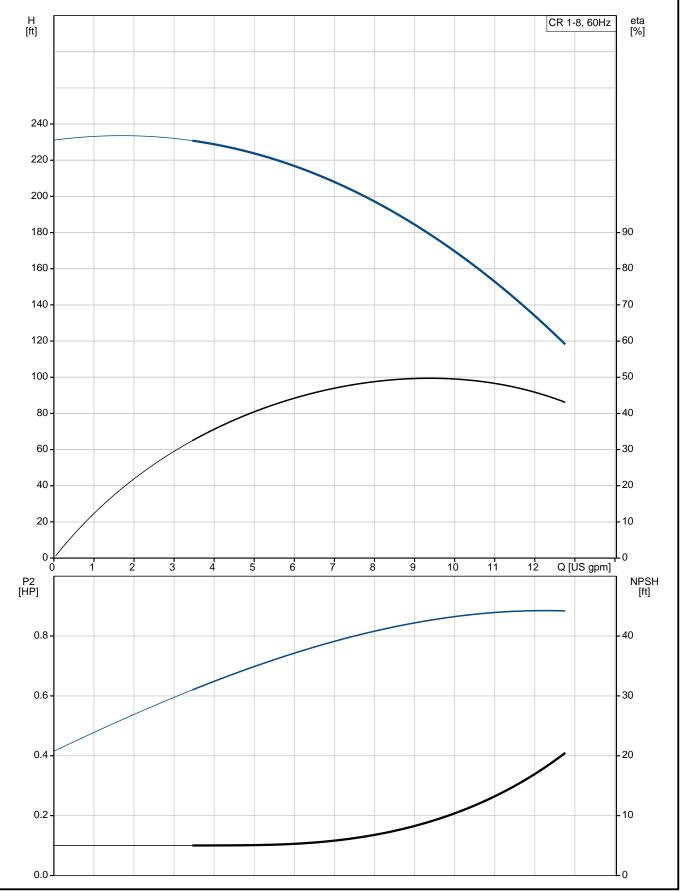
Net weight: 70.4 lb
Gross weight: 81.4 lb
Shipping volume: 6.11 ft³
Country of origin: US

Custom tariff no.: 8413.70.2040



Date: 4/20/2020

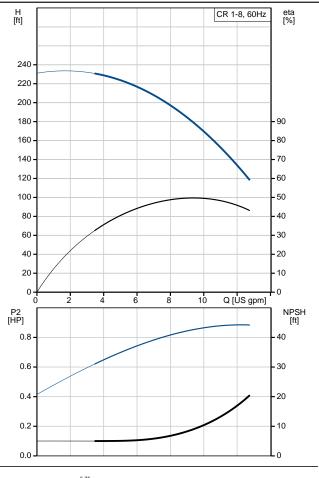
96081977 CR 1-8 A-B-A-E-HQQE 60 Hz

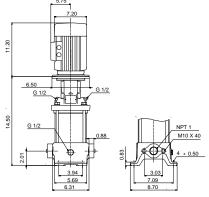


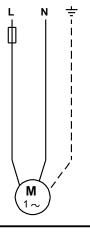


Date: 4/20/2020

Description General information:	Value
Contra initernationi	Value
Product name:	CR 1-8 A-B-A-E-HQQE
Product No.:	96081977
EAN:	5700395167153
27111.	5700395167153
Technical:	0700000107100
Rated pump speed:	3450 rpm
Rated flow:	9.69 US gpm
Rated head:	178.5 ft
Maximum head:	235.6 ft
Stages:	8
Impellers:	8
Number of reduced-diameter impellers:	
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQE
Approvals on nameplate:	CURUS,NSF61
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Coolina:	TEFC
Materials:	TELO
Base:	Cast iron
Dase.	EN 1561 EN-GJL-200
	ASTM A48-25B
Impeller:	Stainless steel
impelier.	EN 1.4301
	AISI 304
Material code:	A A A
Code for rubber:	F
	SIC
Bearing: Installation:	310
Maximum ambient temperature:	104 °F
Maximum operating pressure:	
	232.06 psi 232 psi / 250 °F
Max pressure at stated temperature:	232 psi / -4 °F
Type of connection:	
Type of connection:	Oval / NPT(F) 1 inch
Size of culation parts	1 inch
Size of suction port:	
Size of outlet port:	
Size of outlet port: Pressure rating for connection:	PN 16
Size of outlet port: Pressure rating for connection: Flange size for motor:	PN 16 56C
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code:	PN 16
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid:	PN 16 56C B
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid:	PN 16 56C B Water
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range:	PN 16 56C B Water -4 248 °F
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature:	PN 16 56C B Water -4 248 °F 68 °F
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density:	PN 16 56C B Water -4 248 °F
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP 60 Hz
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP 60 Hz 1 x 115/230 V
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP 60 Hz 1 x 115/230 V 1.25
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP 60 Hz 1 x 115/230 V
Size of outlet port: Pressure rating for connection: Flange size for motor: Connect code: Liquid: Pumped liquid: Liquid temperature range: Selected liquid temperature: Density: Electrical data: Motor standard: Motor type: Rated power - P2: Power (P2) required by pump: Main frequency: Rated voltage: Service factor:	PN 16 56C B Water -4 248 °F 68 °F 62.29 lb/ft³ NEMA BALDOR 1 HP 1 HP 60 Hz 1 x 115/230 V 1.25









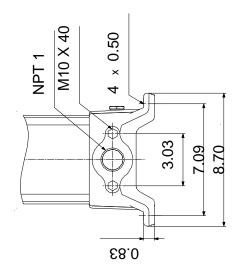
Date: 4/20/2020

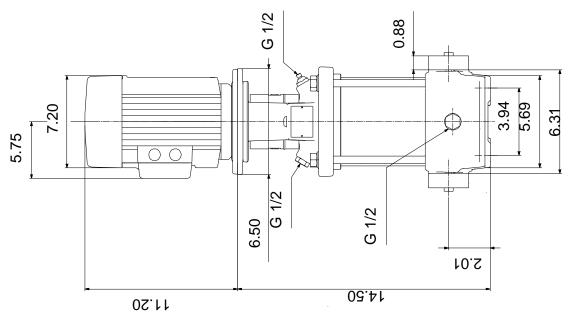
Description	Value
Rated speed:	3450 rpm
Number of poles:	2
Insulation class (IEC 85):	В
Motor protection:	NONE
Motor Number:	84Z04004
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	70.4 lb
Gross weight:	81.4 lb
Shipping volume:	6.11 ft ³
Country of origin:	US
Custom tariff no.:	8413.70.2040



Date: 4/20/2020

96081977 CR 1-8 A-B-A-E-HQQE 60 Hz





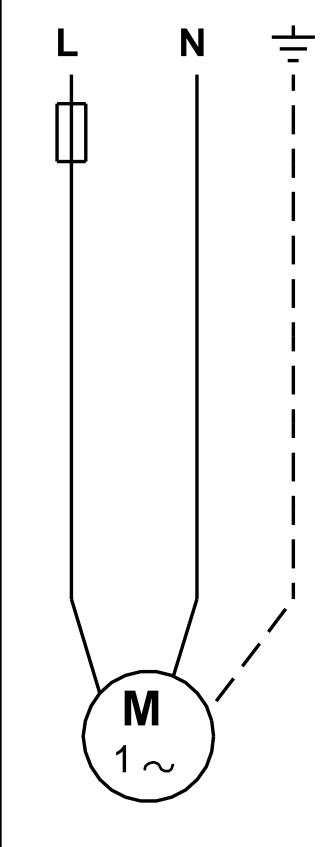
Note! All units are in [in] unless otherwise stated. Disclaimer: This simplified dimensional drawing does not show all details.



Date:

4/20/2020

96081977 CR 1-8 A-B-A-E-HQQE 60 Hz



All units are [in] unless otherwise presented.