

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

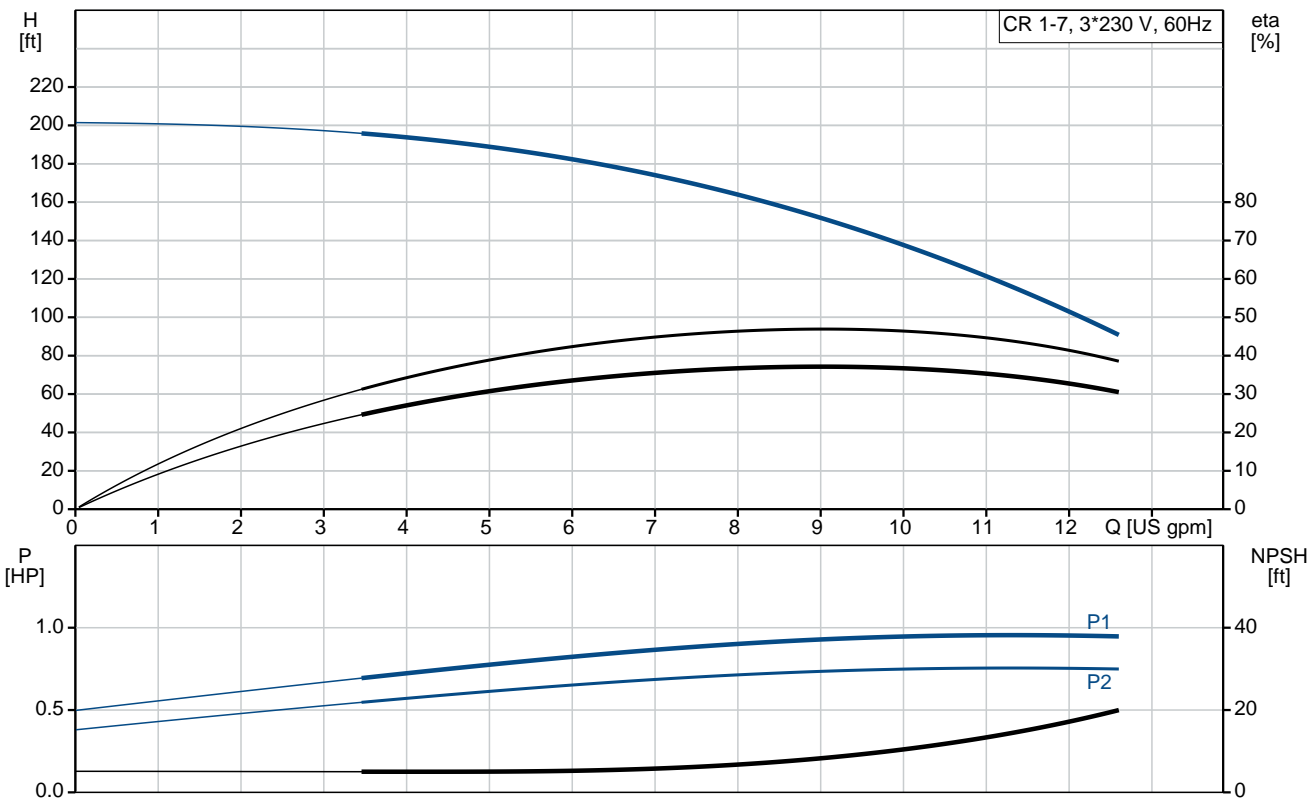


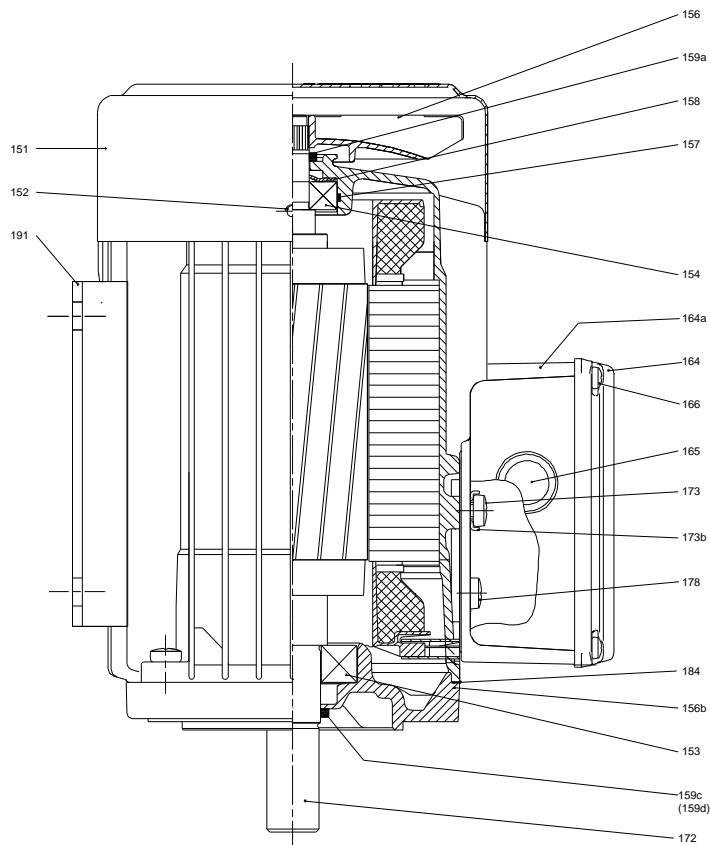
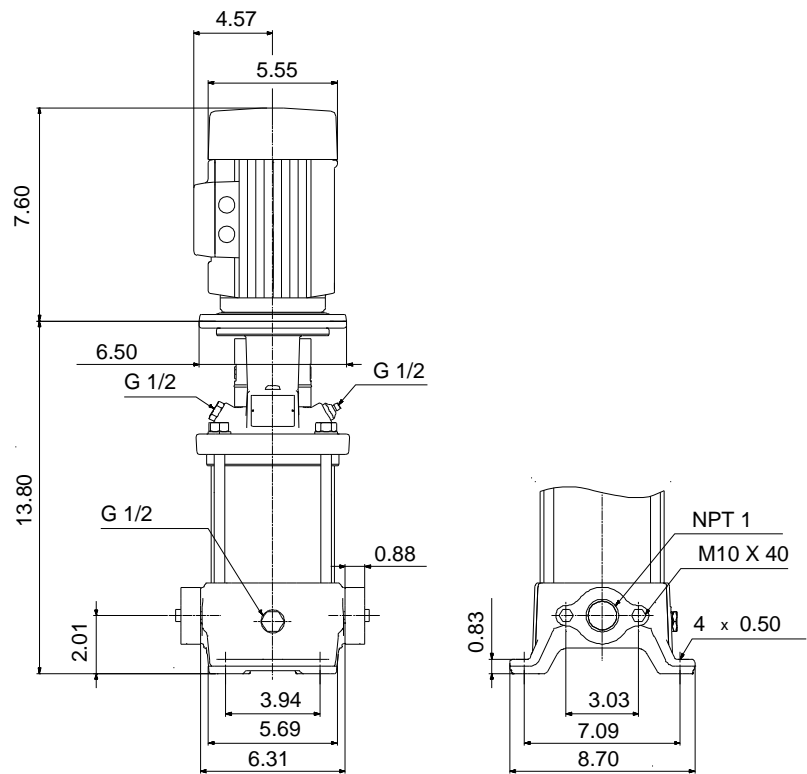
CR 1-7 A-B-A-E-HQQE

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: _____	Max pressure at stated temperature: 232 psi / 250 °F	Rated power - P2: 0.75 HP
Head: _____	Liquid temperature range: -4 .. 248 °F	Rated voltage: 208-230YY/460Y V
Efficiency: _____	Maximum ambient temperature: 104 °F	Main frequency: 60 Hz
Liquid: Water	Approvals: CURUS,NSF61	Enclosure class: 55 Dust/Jetting
Temperature: 68 °F	Shaft seal: HQQE	Insulation class: F
NPSH required: ft	Product number: 96081976	Motor protection: NONE
Viscosity: _____		Motor type: 71BA
Specific Gravity: 1.000		Motor_efficiency: 80.6-81.6 %





**Materials:**

Base:	Cast iron EN 1561 EN-GJL-200
Impeller:	Stainless steel ASTM A48-25B AISI 304 EN 1.4301
Material code:	A
Code for rubber:	E

Count	Description
1	<p><b>CR 1-7 A-B-A-E-HQQE</b></p>  <p>Product No.: <a href="#">96081976</a></p> <p>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.</p> <p>The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p><b>Liquid:</b>  Pumped liquid: Water  Liquid temperature range: -4 .. 248 °F  Selected liquid temperature: 68 °F  Density: 62.29 lb/ft³</p> <p><b>Technical:</b>  Rated pump speed: 3439 rpm  Rated flow: 9.69 US gpm  Rated head: 152.9 ft  Pump orientation: Vertical  Shaft seal arrangement: Single  Code for shaft seal: HQQE  Approvals on nameplate: CURUS, NSF61  Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b>  Base: Cast iron  EN 1561 EN-GJL-200  ASTM A48-25B  Impeller: Stainless steel  EN 1.4301  AISI 304  Bearing: SIC</p> <p><b>Installation:</b>  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</p> <p><b>Electrical data:</b>  Motor standard: NEMA  Motor type: 71BA</p>



Company name:

Created by:

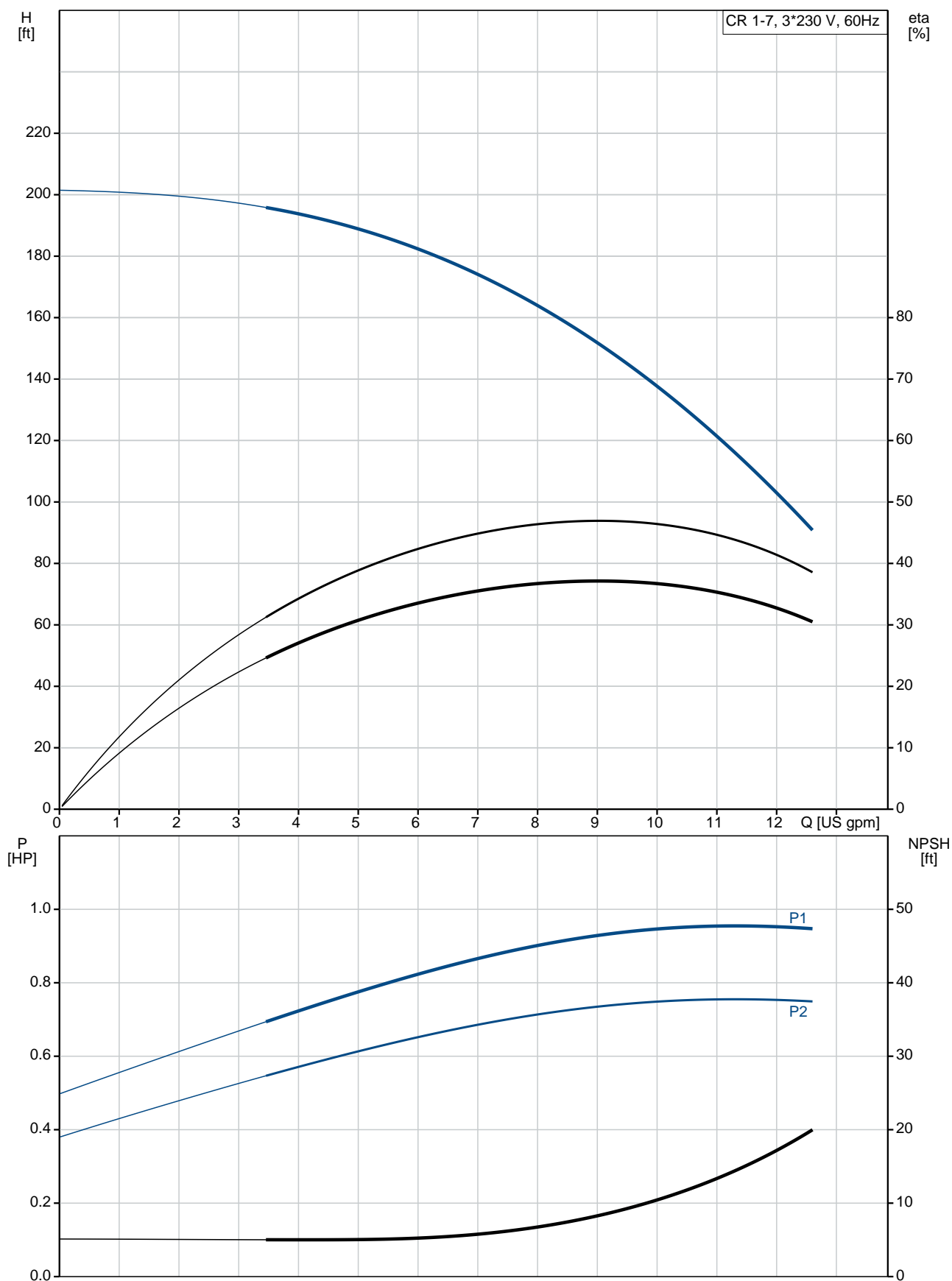
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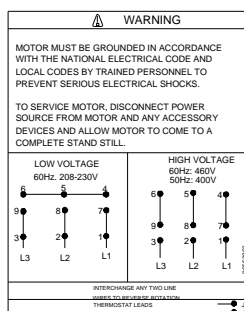
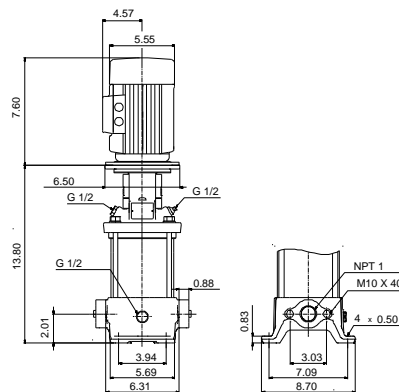
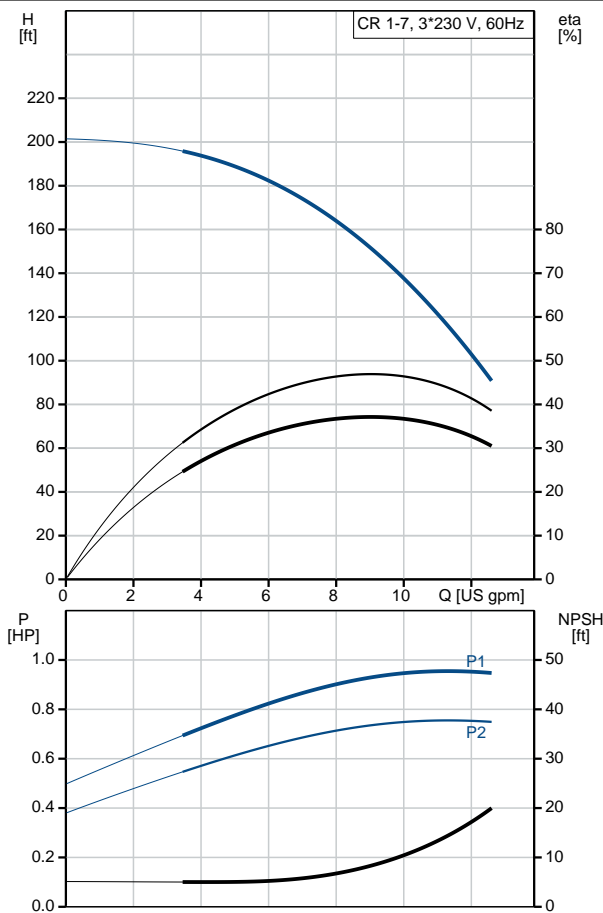
4/20/2020

Count	Description
	<p>IE Efficiency class: NEMA Premium / IE3 60Hz</p> <p>Rated power - P2: 0.75 HP</p> <p>Power (P2) required by pump: 0.75 HP</p> <p>Main frequency: 60 Hz</p> <p>Rated voltage: 3 x 208-230YY/460Y V</p> <p>Service factor: 1.25</p> <p>Rated current: 2,40-2,30/1,20 A</p> <p>Starting current: 590-650 %</p> <p>Cos phi - power factor: 0.84-0.78</p> <p>Rated speed: 3430-3460 rpm</p> <p>Motor efficiency at full load: 80.6-81.6 %</p> <p>Motor efficiency at 3/4 load: 78.6 %</p> <p>Motor efficiency at 1/2 load: 75.7 %</p> <p>Number of poles: 2</p> <p>Enclosure class (IEC 34-5): 55 Dust/Jetting</p> <p>Insulation class (IEC 85): F</p> <p>Motor Number: 85900702</p> <p><b>Controls:</b></p> <p>Frequency converter: NONE</p> <p><b>Others:</b></p> <p>Net weight: 50.5 lb</p> <p>Gross weight: 61.5 lb</p> <p>Shipping volume: 4.94 ft<sup>3</sup></p> <p>Country of origin: US</p> <p>Custom tariff no.: 8413.70.2040</p>

## 96081976 CR 1-7 A-B-A-E-HQQE 60 Hz



Description	Value
<b>General information:</b>	
Product name:	CR 1-7 A-B-A-E-HQQE
Product No.:	96081976
EAN:	5700395167146
	5700395167146
<b>Technical:</b>	
Rated pump speed:	3439 rpm
Rated flow:	9.69 US gpm
Rated head:	152.9 ft
Maximum head:	204.7 ft
Stages:	7
Impellers:	7
Number of reduced-diameter impellers:	0
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
Cooling:	TEFC
<b>Materials:</b>	
Base:	Cast iron
	EN 1561 EN-GJL-200
	ASTM A48-25B
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
<b>Installation:</b>	
Maximum ambient temperature:	104 °F
Maximum operating pressure:	232.06 psi
Max pressure at stated temperature:	232 psi / -4 °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
Connect code:	B
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
Motor standard:	NEMA
Motor type:	71BA
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	0.75 HP
Power (P2) required by pump:	0.75 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.25





Company name:

Created by:

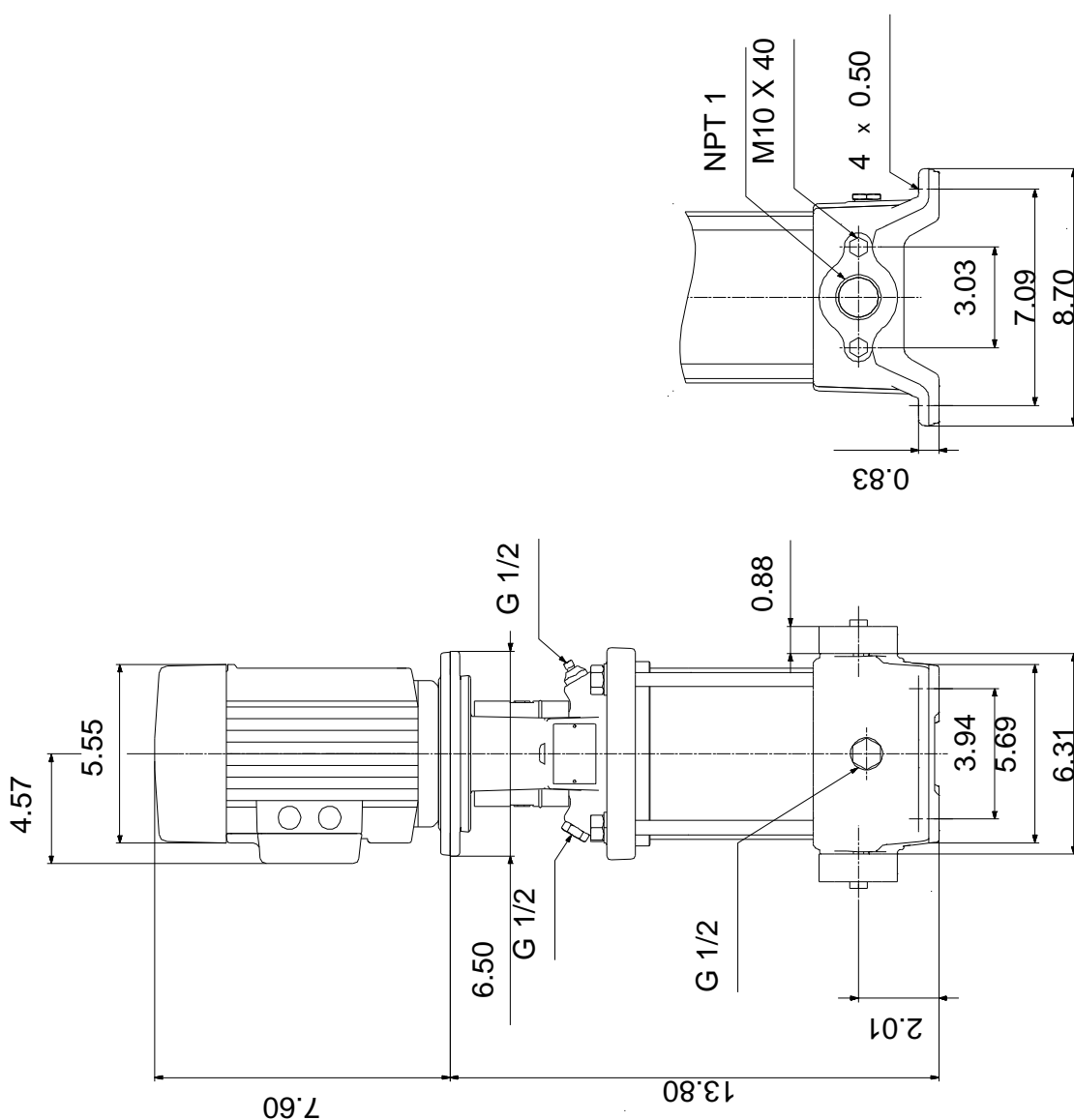
Phone:

Date:

4/20/2020

Description	Value
Rated current:	2,40-2,30/1,20 A
Starting current:	590-650 %
Load current:	2,9-2,75/1,4 A
Cos phi - power factor:	0.84-0.78
Rated speed:	3430-3460 rpm
Motor efficiency at full load:	80.6-81.6 %
Motor efficiency at 3/4 load:	78.6 %
Motor efficiency at 1/2 load:	75.7 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900702
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Net weight:	50.5 lb
Gross weight:	61.5 lb
Shipping volume:	4.94 ft³
Country of origin:	US
Custom tariff no.:	8413.70.2040

## 96081976 CR 1-7 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.



## 96081976 CR 1-7 A-B-A-E-HQQE 60 Hz

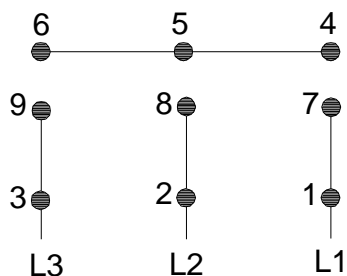


### WARNING

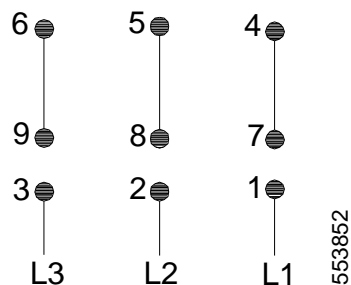
MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

TO SERVICE MOTOR, DISCONNECT POWER SOURCE FROM MOTOR AND ANY ACCESSORY DEVICES AND ALLOW MOTOR TO COME TO A COMPLETE STAND STILL.

#### LOW VOLTAGE 60Hz. 208-230V



#### HIGH VOLTAGE 60Hz: 460V 50Hz: 400V



96553852

INTERCHANGE ANY TWO LINE  
WIRES TO REVERSE ROTATION

THERMOSTAT LEADS  
(WHEN PROVIDED)

