

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

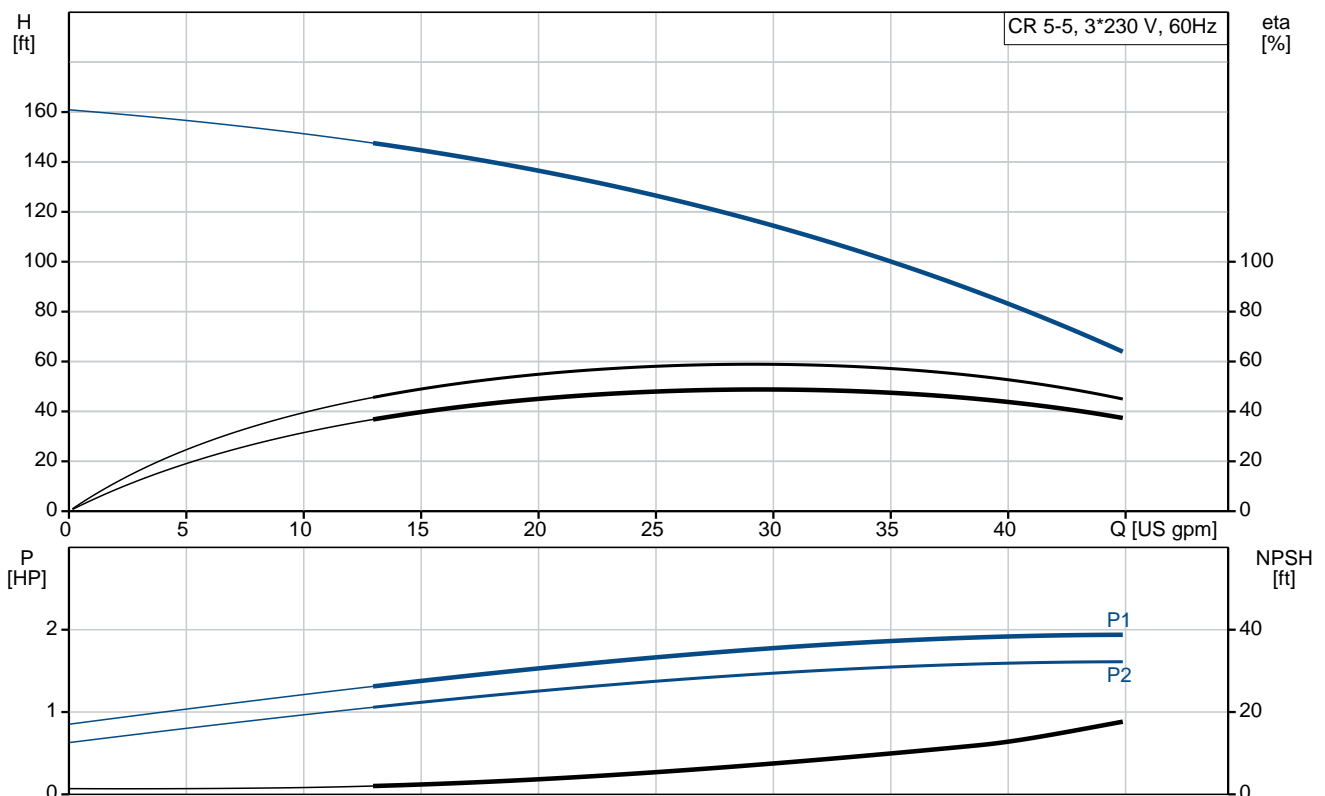


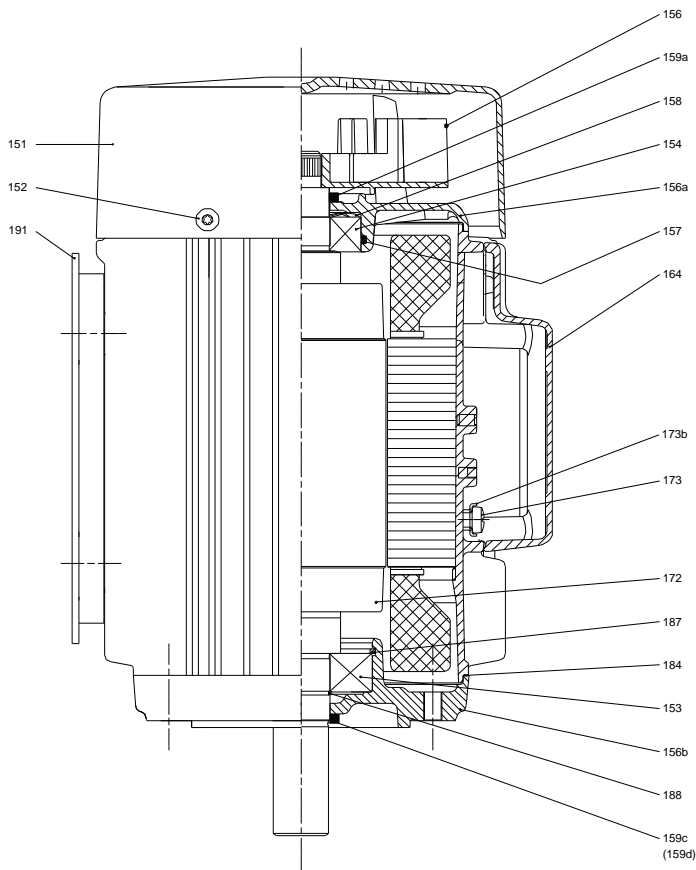
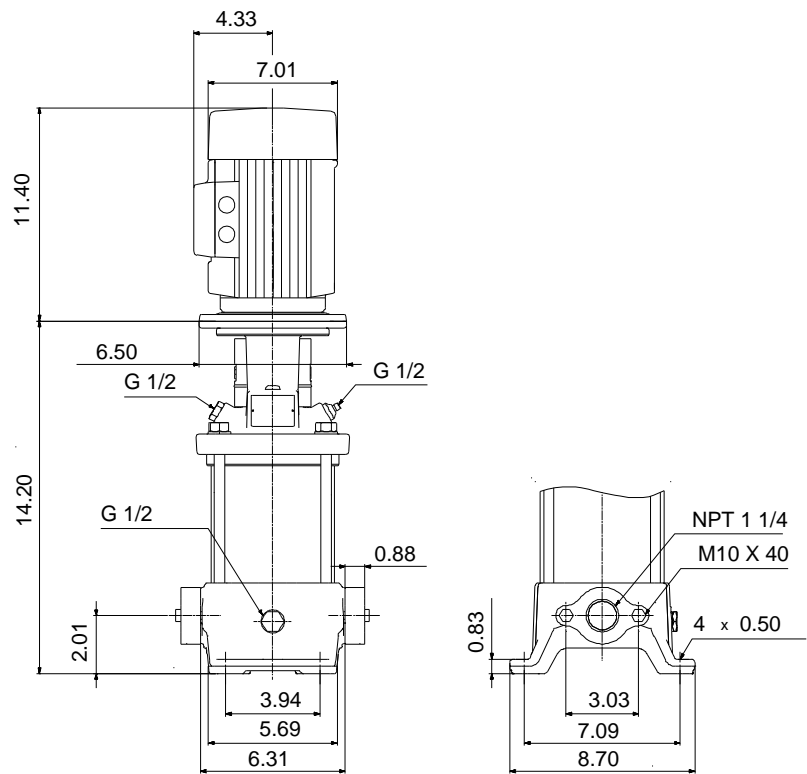
### CR 5-5A-B-A-E-HQQE

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: 2 HP
Head: _____	Liquid temperature range: -4 .. 248 °F	Rated voltage: 208-230YY/460Y V
Efficiency: _____	Maximum ambient temperature: 140 °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: 97529724	Motor protection: NONE
Viscosity: _____		Motor type: 90CC
Specific Gravity: 1.000		Motor_efficiency: 85.5 %





**Materials:**

**Base:** Cast iron  
EN 1561 EN-GJL-200

**Impeller:** Stainless steel  
ASTM A48-25B  
AISI 304  
EN 1.4301

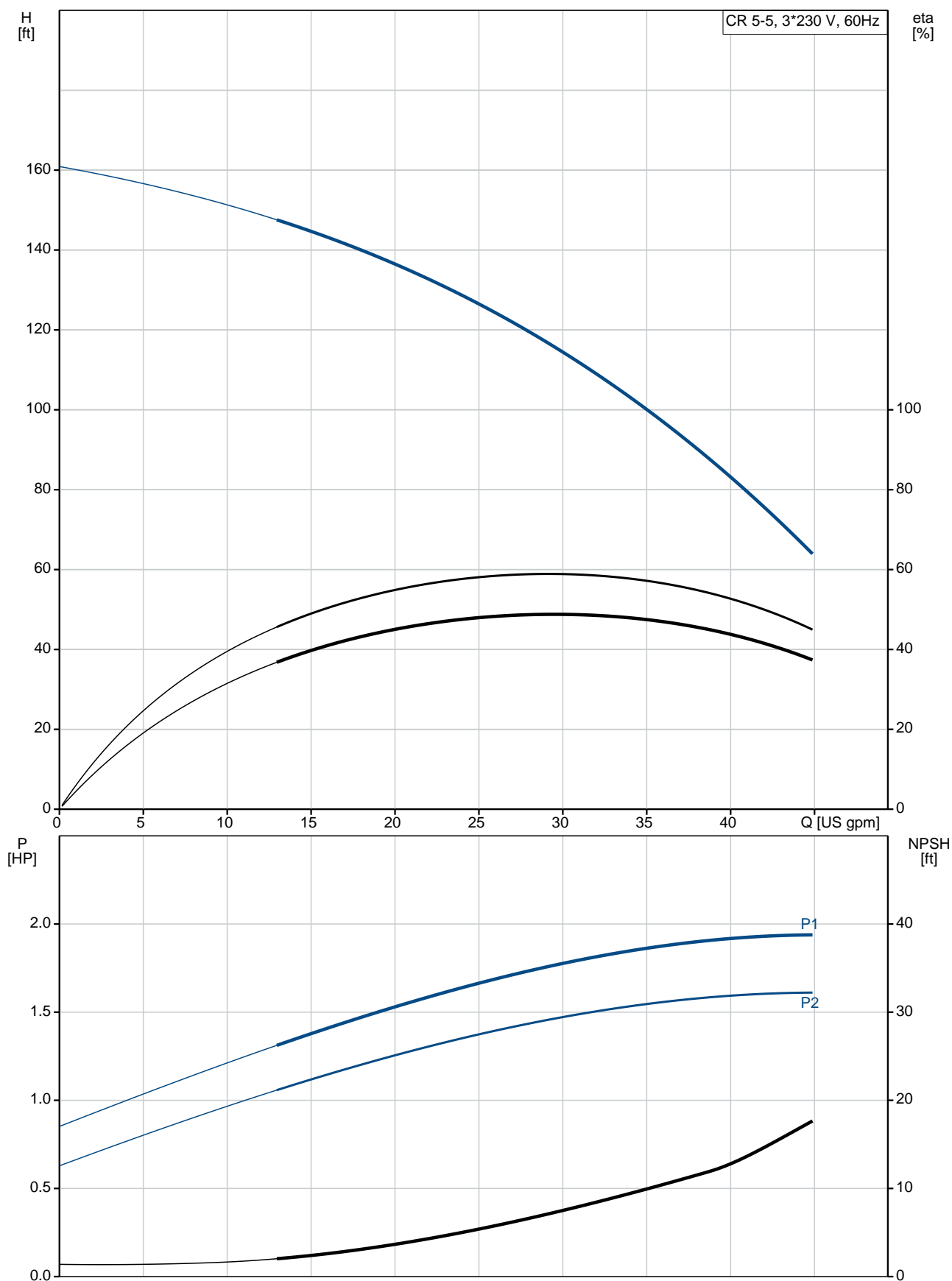
**Material code:** A

**Code for rubber:** E

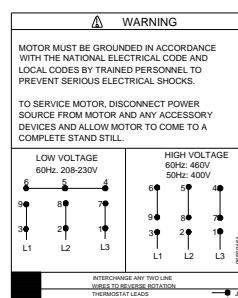
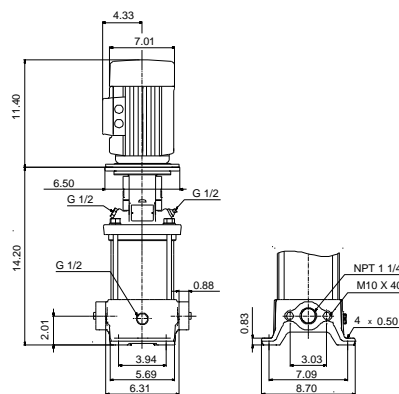
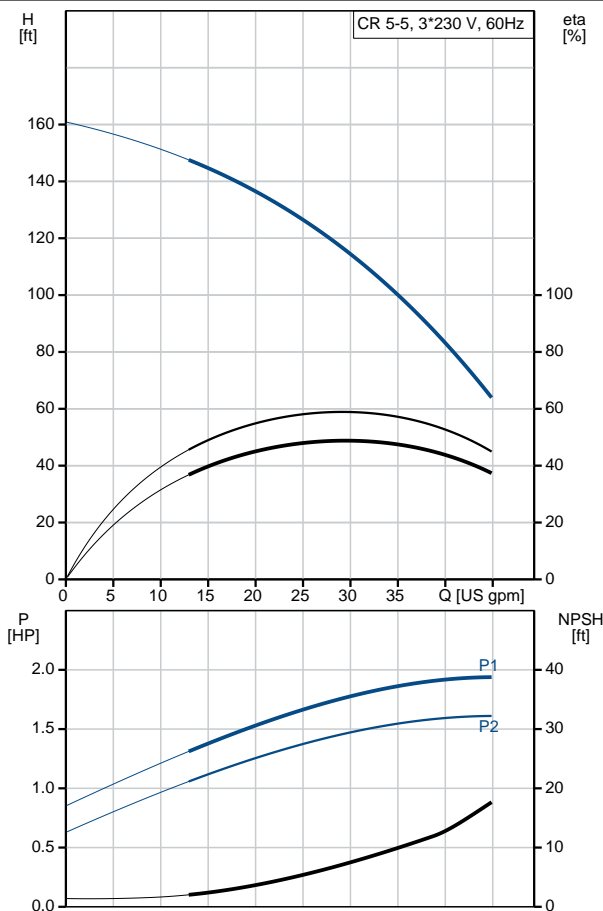
Count	Description
1	<p><b>CR 5-5A-B-A-E-HQQE</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: <a href="#">97529724</a></p> <p>Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> <li>- Impellers and intermediate chambers are made of</li> <li>- The shaft seal has assembly length according to EN 12756.</li> <li>- Power transmission is via cast iron split coupling.</li> </ul> <p>The motor is a 3-phase AC motor.</p> <p>Controls:</p> <p>Frequency converter: NONE</p> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -4 .. 248 °F</p> <p>Selected liquid temperature: 68 °F</p> <p>Density: 62.29 lb/ft³</p> <p><b>Technical:</b></p> <p>Rated pump speed: 3466 rpm</p> <p>Rated flow: 30.4 US gpm</p> <p>Rated head: 116.5 ft</p> <p>Pump orientation: Vertical</p> <p>Shaft seal arrangement: Single</p> <p>Code for shaft seal: HQQE</p> <p>Approvals on nameplate: CURUS, NSF61</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b></p> <p>Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p> <p>Impeller: Stainless steel EN 1.4301 AISI 304</p> <p>Bearing: SIC</p> <p><b>Installation:</b></p> <p>Maximum ambient temperature: 140 °F</p>

Count	Description
	<p>Maximum operating pressure: 232.06 psi</p> <p>Max pressure at stated temperature: 232 psi / 250 °F</p> <p>232 psi / -4 °F</p> <p>Type of connection: Oval / NPT(F)</p> <p>Size of suction port: 1 1/4 inch</p> <p>Size of outlet port: 1 1/4 inch</p> <p>Pressure rating for pipe connection: PN 16</p> <p>Flange size for motor: 56C</p> <p><b>Electrical data:</b></p> <p>Motor standard: NEMA</p> <p>Motor type: 90CC</p> <p>IE Efficiency class: NEMA Premium / IE3 60Hz</p> <p>Rated power - P2: 2 HP</p> <p>Power (P2) required by pump: 2 HP</p> <p>Main frequency: 60 Hz</p> <p>Rated voltage: 3 x 208-230YY/460Y V</p> <p>Service factor: 1.15</p> <p>Rated current: 5,70-5,40/2,70 A</p> <p>Starting current: 810-900 %</p> <p>Cos phi - power factor: 0.88-0.84</p> <p>Rated speed: 3480-3510 rpm</p> <p>IE efficiency: IE3 85,5%</p> <p>Motor efficiency at full load: 85.5 %</p> <p>Motor efficiency at 3/4 load: 85.0 %</p> <p>Motor efficiency at 1/2 load: 83.0 %</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: 85900705</p> <p><b>Others:</b></p> <p>Net weight: 72.6 lb</p> <p>Gross weight: 83.6 lb</p> <p>Shipping volume: 6.11 ft³</p> <p>Country of origin: US</p> <p>Custom tariff no.: 8413.70.2040</p>

## 97529724 CR 5-5A-B-A-E-HQQE 60 Hz



Description	Value
<b>General information:</b>	
Product name:	CR 5-5A-B-A-E-HQQE
Product No.:	97529724
EAN:	5700317855878
<b>Technical:</b>	
Rated pump speed:	3466 rpm
Rated flow:	30.4 US gpm
Rated head:	116.5 ft
Head max:	165.7 ft
Stages:	5
Impellers:	5
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:	140 °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 1/4 inch
Size of outlet port:	1 1/4 inch
Pressure rating for pipe 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:	90CC
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	2 HP
Power (P2) required by pump:	2 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	5,70-5,40/2,70 A





Company name:

Created by:

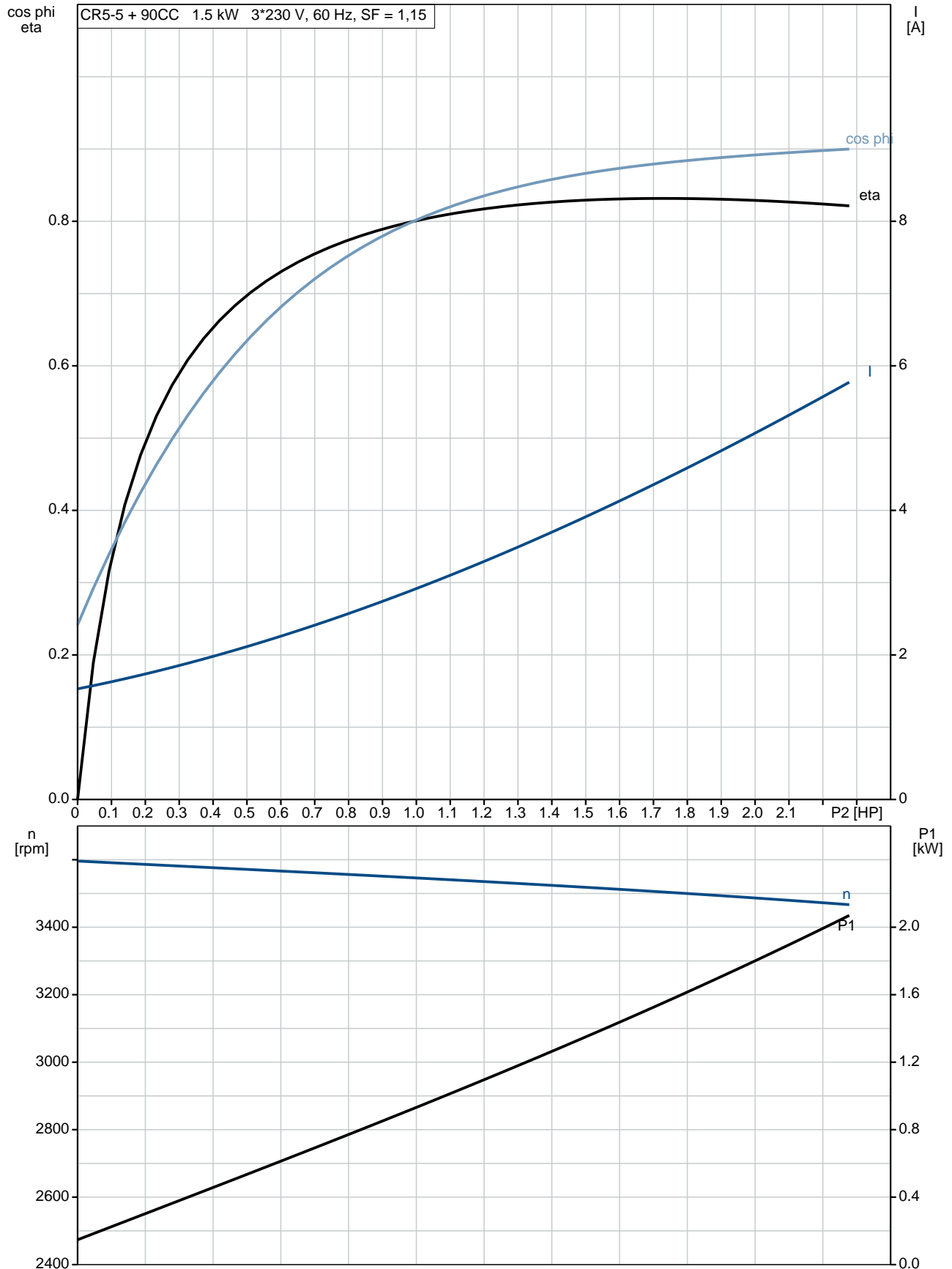
Phone:

Date:

4/19/2019

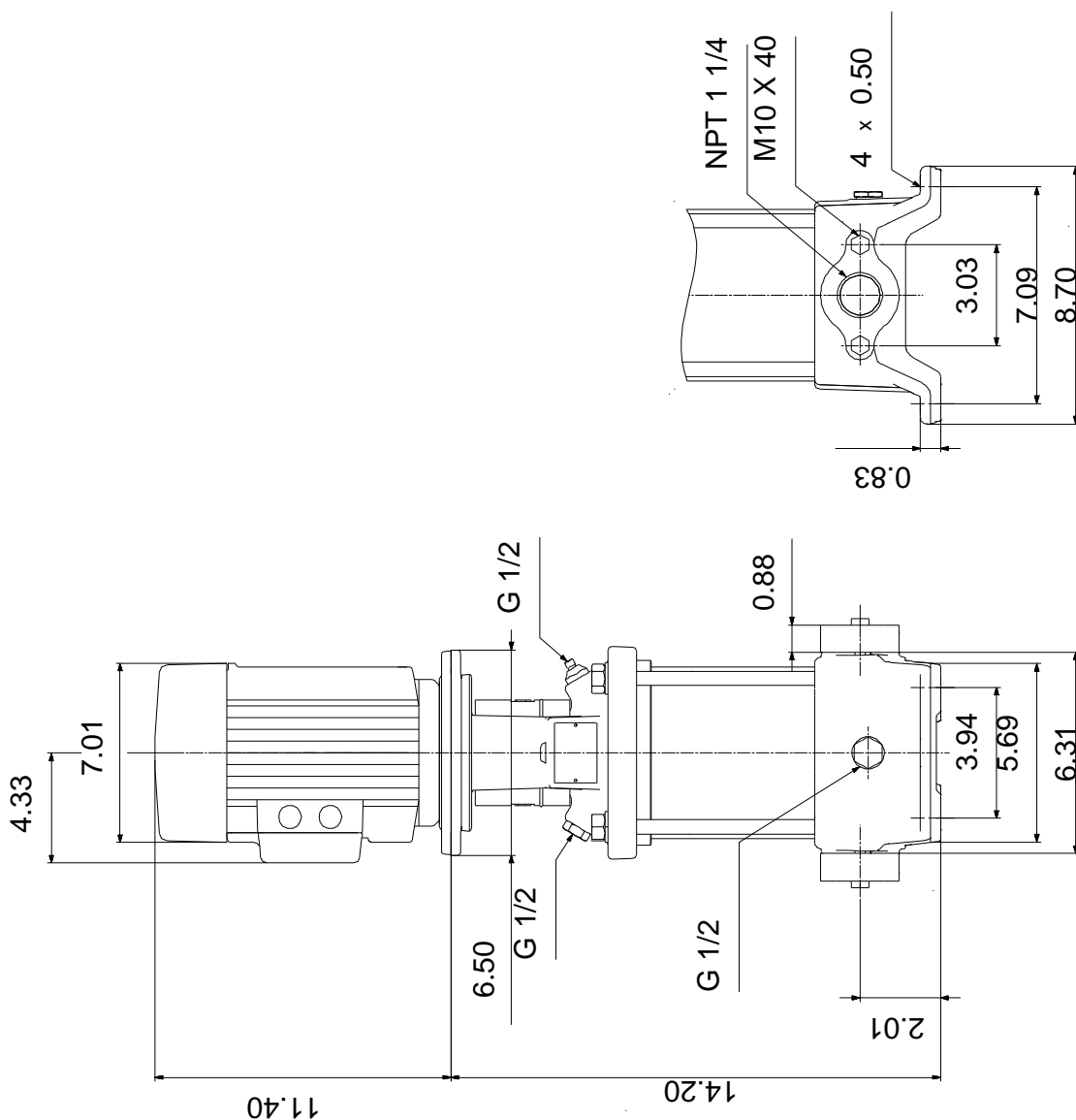
Description	Value
Starting current:	810-900 %
Load current:	6,55-6,1/3,05 A
Cos phi - power factor:	0.88-0.84
Rated speed:	3480-3510 rpm
IE efficiency:	IE3 85,5%
Motor efficiency at full load:	85.5 %
Motor efficiency at 3/4 load:	85.0 %
Motor efficiency at 1/2 load:	83.0 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900705
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Net weight:	72.6 lb
Gross weight:	83.6 lb
Shipping volume:	6.11 ft³
Country of origin:	US
Custom tariff no.:	8413.70.2040

## 97529724 CR 5-5A-B-A-E-HQQE 60 Hz





## 97529724 CR 5-5A-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.

## 97529724 CR 5-5A-B-A-E-HQQE 60 Hz



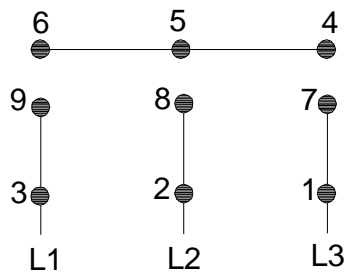
### WARNING

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

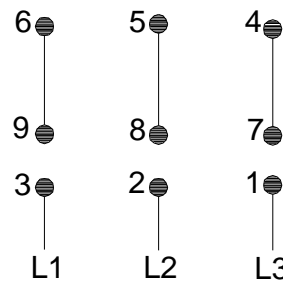
60Hz. 208-230V



#### HIGH VOLTAGE

60Hz: 460V

50Hz: 400V



96569464

INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION

THERMOSTAT LEADS  
(WHEN PROVIDED)

