

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

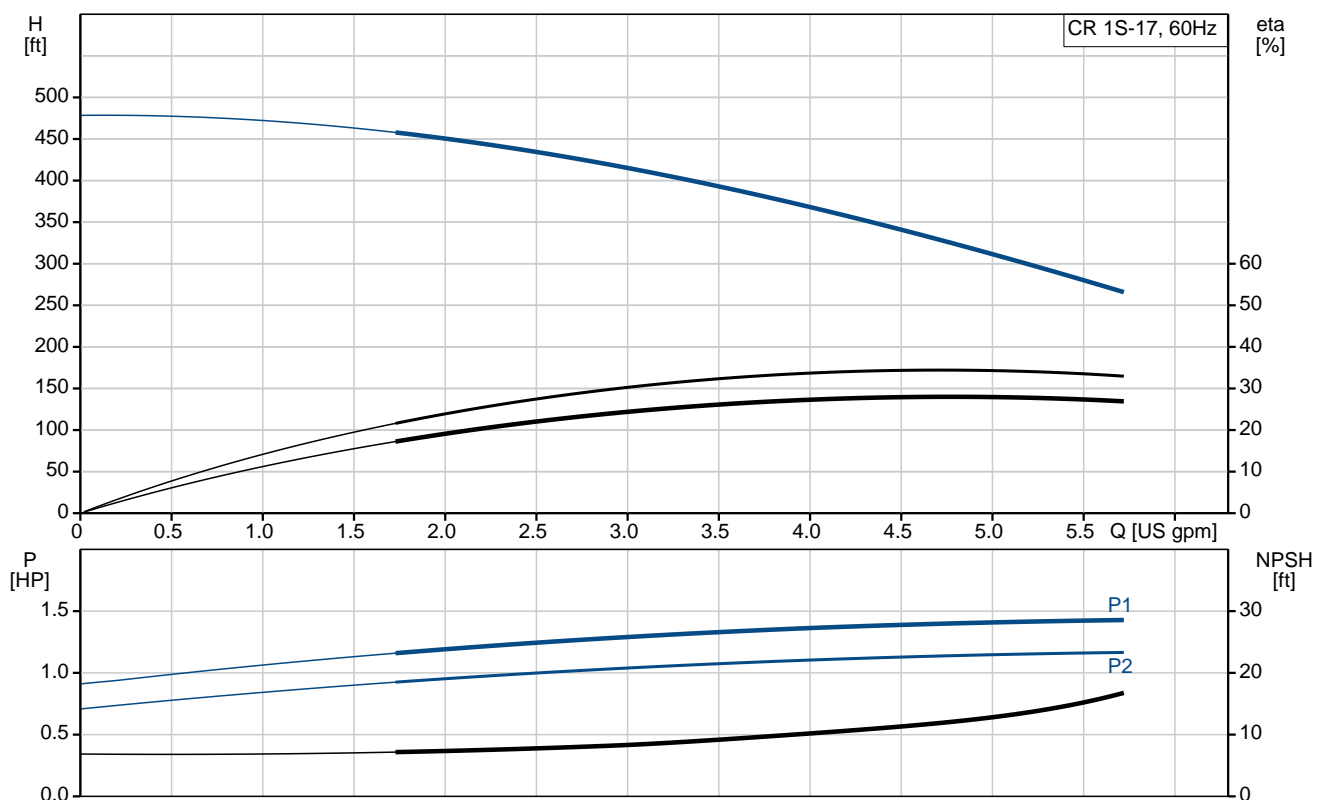


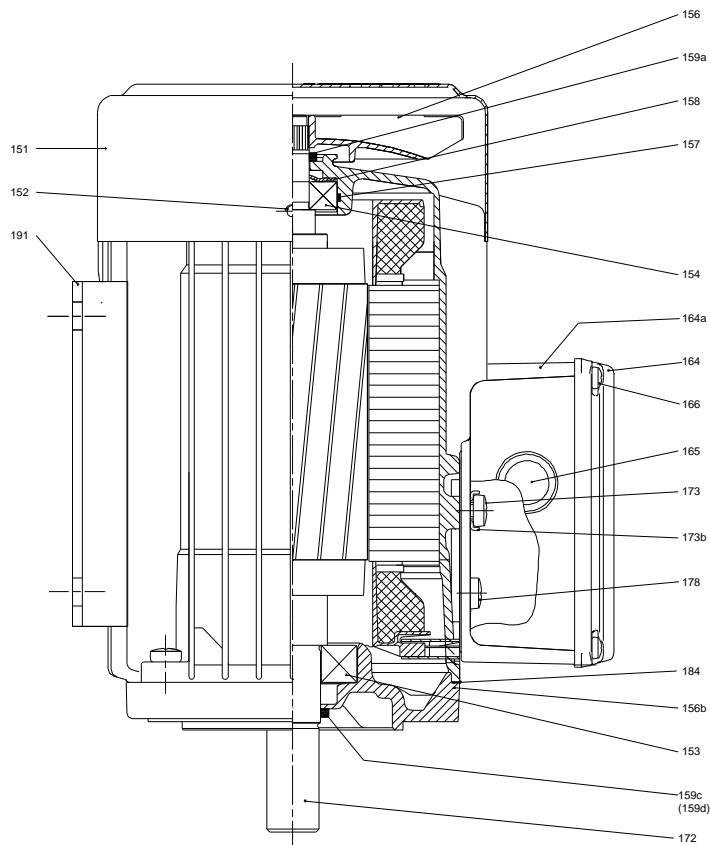
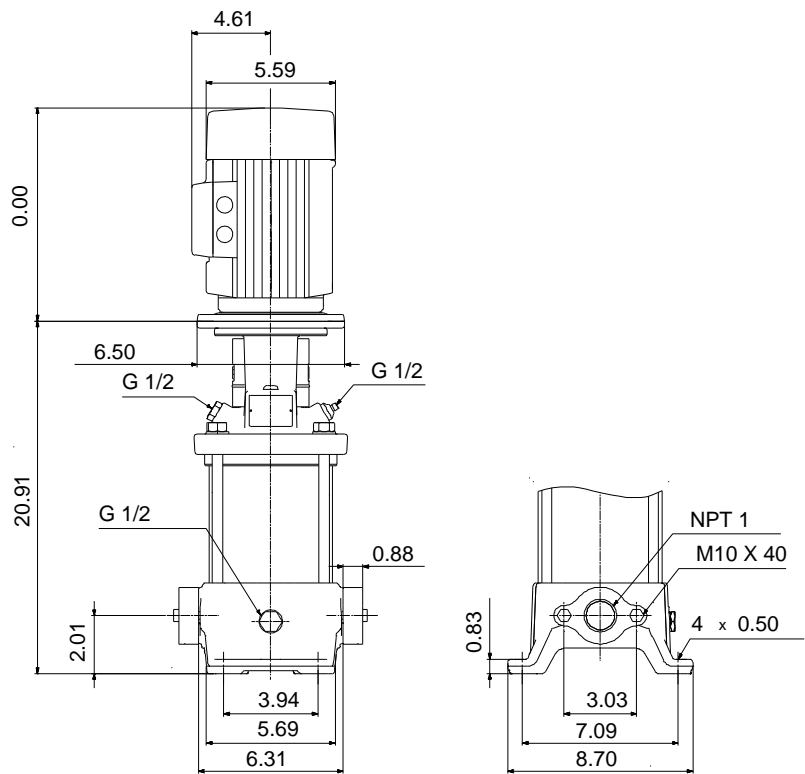
CR 1S-17 A-B-A-E-HQQE

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: 1.5 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: 96080902	Motor protection: NONE
Viscosity: _____		Motor type: 80CA
Specific Gravity: 1.000		Motor_efficiency: 84.9 %





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

Count	Description
1	<p>CR 1S-17 A-B-A-E-HQQE</p>  <p>Product No.: 96080902 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"> - Impellers and intermediate chambers are made of - The shaft seal has assembly length according to EN 12756. - Power transmission is via cast iron split coupling. <p>The motor is a 3-phase AC motor.</p> <p>Controls: Frequency converter: NONE</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: -4 .. 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³</p> <p>Technical: Rated pump speed: 3466 rpm Rated flow: 4.84 US gpm Rated head: 318.9 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>Materials: Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC</p> <p>Installation: Maximum ambient temperature: 140 °F Maximum operating pressure: 232 psi Max pressure at stated temperature: 232 psi / 250 °F 232 psi / -4 °F Type of connection: Oval / NPT(F)</p>



Company name:

Created by:

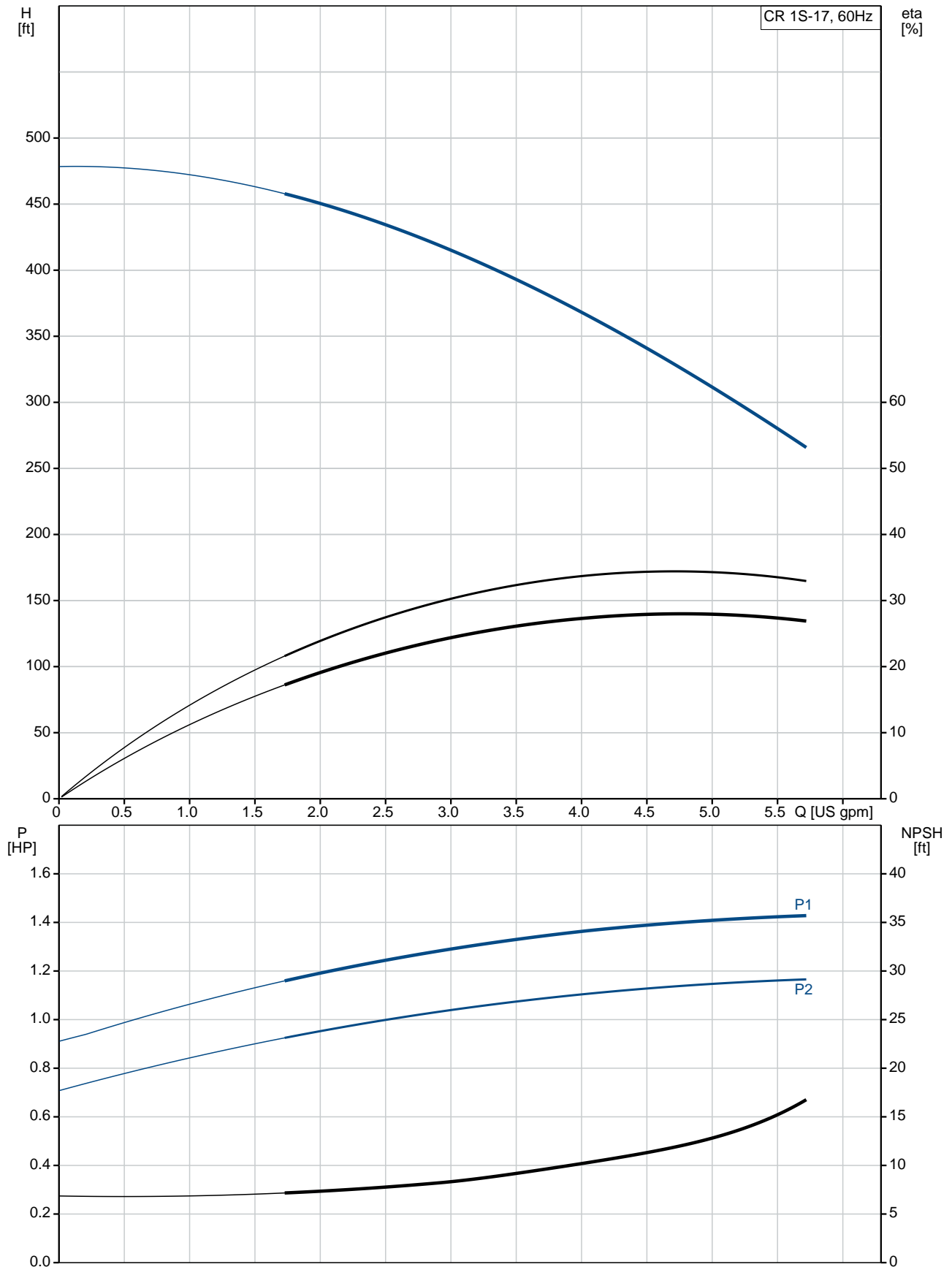
Phone:

Date:

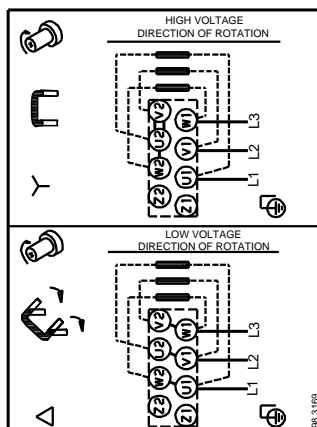
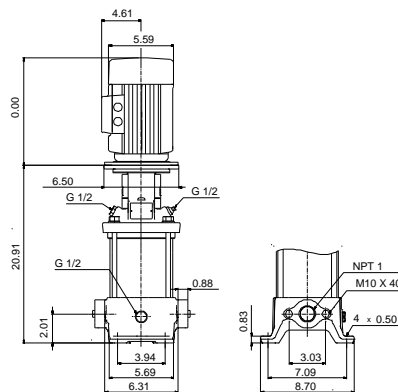
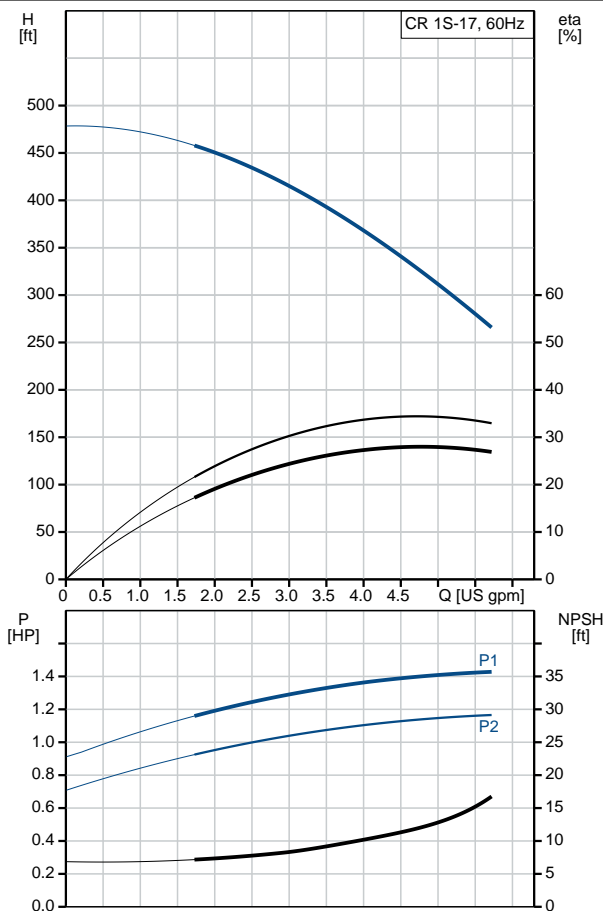
12/28/2018

Count	Description
	Size of suction port: 1 inch Size of outlet port: 1 inch Pressure rating for pipe connection: PN 16 Flange size for motor: 56C Electrical data: Motor standard: NEMA Motor type: 80CA IE Efficiency class: NEMA Premium / IE3 60Hz Rated power - P2: 1.5 HP Power (P2) required by pump: 1.5 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230YY/460Y V Service factor: 1.15 Rated current: 4,45-4,3/2,16 A Starting current: 720 % Cos phi - power factor: 0.84-0.78 Rated speed: 3440-3480 rpm IE efficiency: IE3 84,1% Motor efficiency at full load: 84.9 % Motor efficiency at 3/4 load: 81.0 % Motor efficiency at 1/2 load: 78.5 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Others: Net weight: 59.6 lb Gross weight: 74.1 lb Shipping volume: 8.26 ft ³ Country of origin: US Custom tariff no.: 8413.70.2040

96080902 CR 1S-17 A-B-A-E-HQQE 60 Hz



Description	Value
General information:	
Product name:	CR 1S-17 A-B-A-E-HQQE
Product No.:	96080902
EAN:	5700395153606
Technical:	
Rated pump speed:	3466 rpm
Rated flow:	4.84 US gpm
Rated head:	318.9 ft
Head max:	478.7 ft
Stages:	17
Impellers:	17
Number of reduced-diameter impellers:	0
Low NPSH:	No
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
Materials:	
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
Installation:	
Maximum ambient temperature:	140 °F
Maximum operating pressure:	232 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 pipe connection:	PN 16
Flange size for motor:	56C
Connect code:	B
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 248 °F
Liquid temperature during operation:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor standard:	NEMA
Motor type:	80CA
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	1.5 HP
Power (P2) required by pump:	1.5 HP
Main frequency:	60 Hz
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	4,45-4,3/2,16 A





Company name:

Created by:

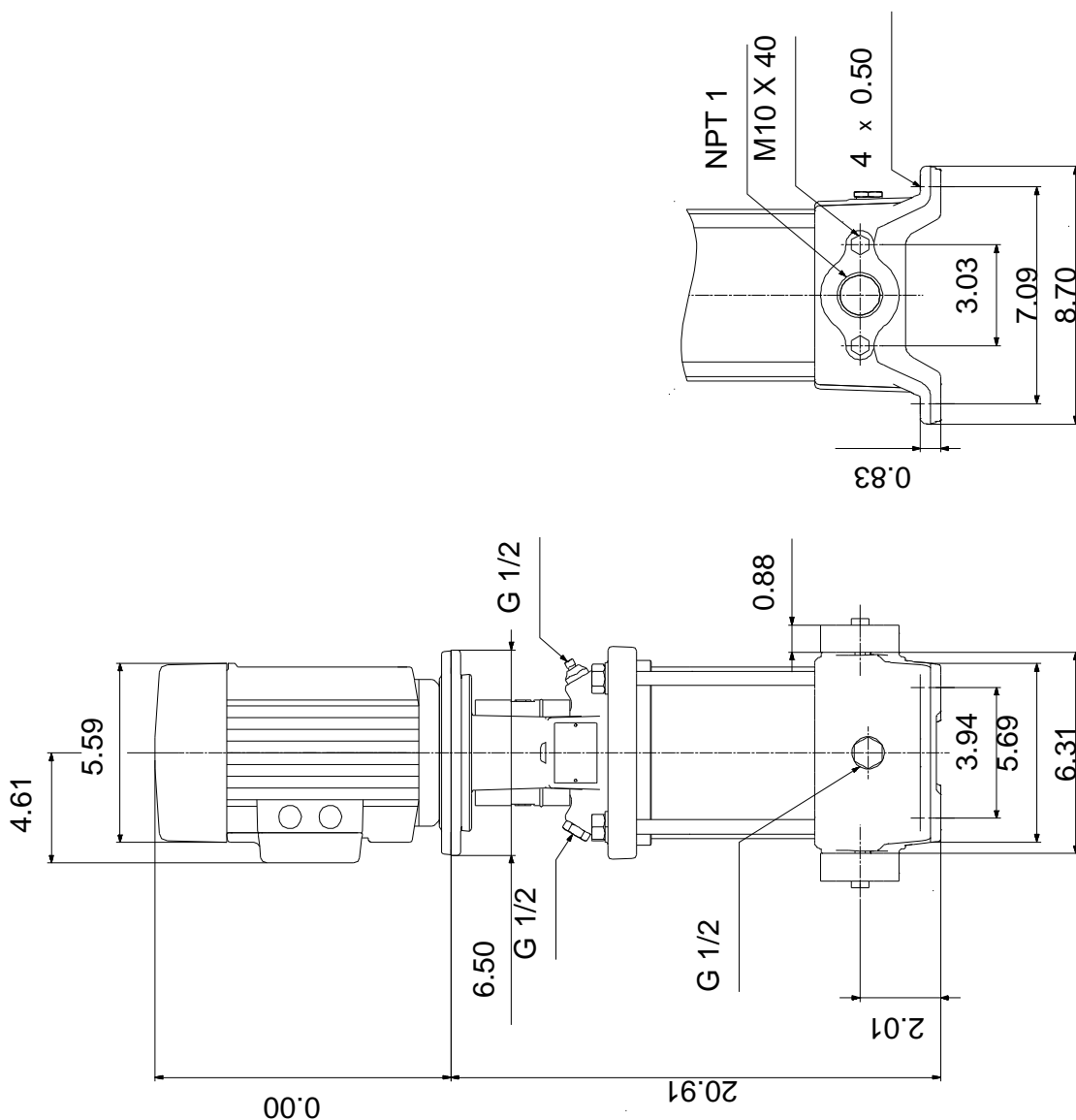
Phone:

Date:

12/28/2018

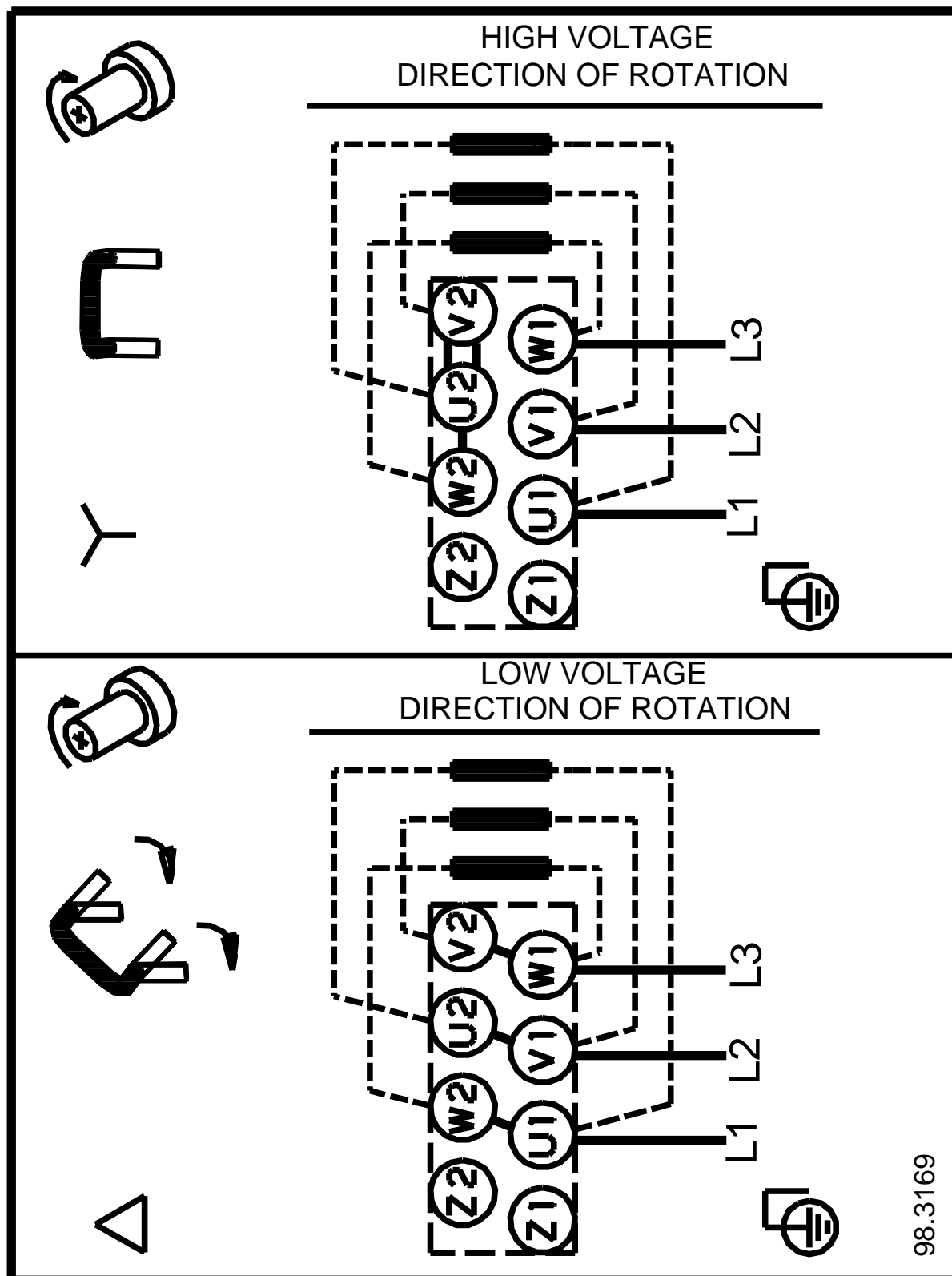
Description	Value
Starting current:	720 %
Load current:	5,1-4,95/2,48 A
Cos phi - power factor:	0.84-0.78
Rated speed:	3440-3480 rpm
IE efficiency:	IE3 84,1%
Motor efficiency at full load:	84.9 %
Motor efficiency at 3/4 load:	81.0 %
Motor efficiency at 1/2 load:	78.5 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	98976607
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	59.6 lb
Gross weight:	74.1 lb
Shipping volume:	8.26 ft ³
Country of origin:	US
Custom tariff no.:	8413.70.2040

96080902 CR 1S-17 A-B-A-E-HQQE 60 Hz



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

96080902 CR 1S-17 A-B-A-E-HQQE 60 Hz



98.3169