
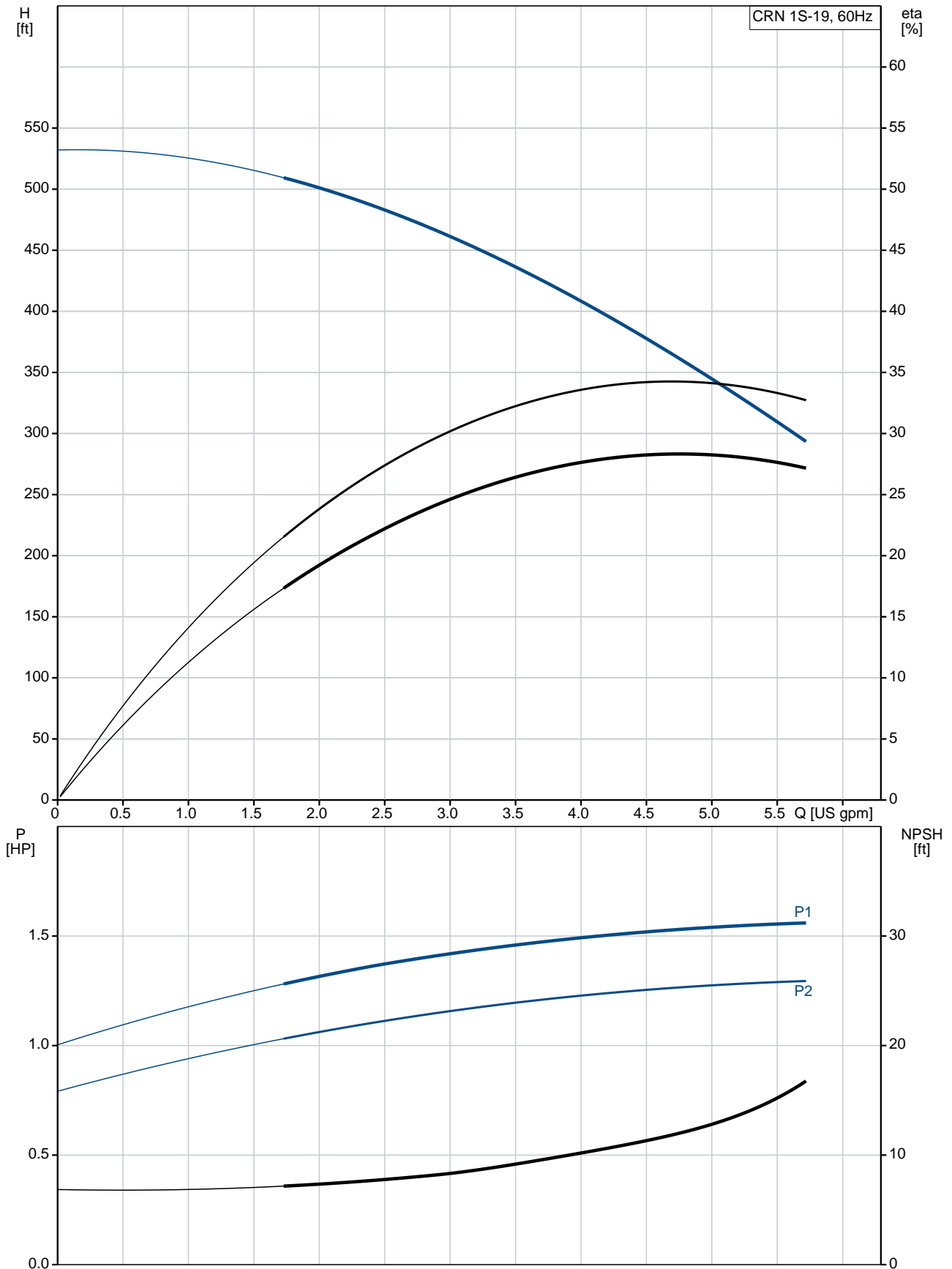


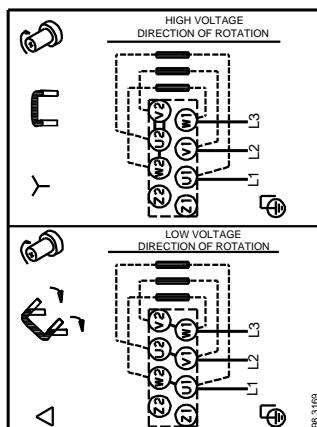
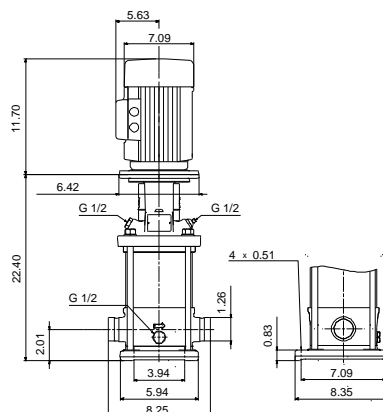
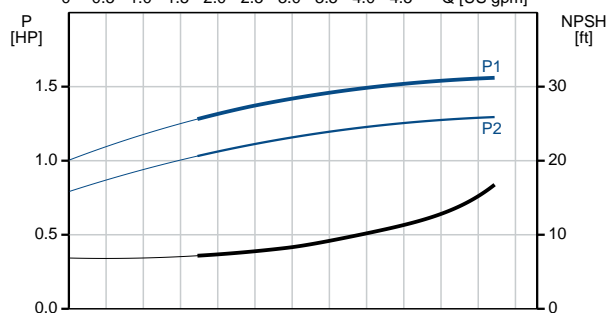
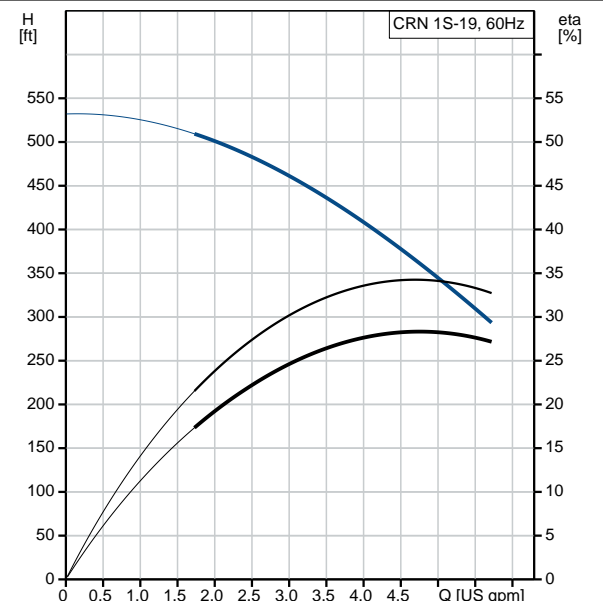
Count	Description
1	<p><b>CRN 1S-19 A-P-A-V-HQQV</b></p>  <p>Product No.: <a href="#">96081714</a> Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> <li>- Impellers, intermediate chambers and outer sleeve are made of</li> <li>- Pump head cover and base 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>flanges/couplings.</p> <p>The motor is a 3-phase AC motor.</p> <p><b>Controls:</b> Frequency converter: NONE</p> <p><b>Liquid:</b> Pumped liquid: Water Liquid temperature range: -4 .. 194 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³</p> <p><b>Technical:</b> Rated pump speed: 3466 rpm Rated flow: 4.84 US gpm Rated head: 351.7 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQV Approvals on nameplate: CURUS Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b> Base: Stainless steel EN 1.4408 AISI 316 Impeller: Stainless steel EN 1.4401 AISI 316 Bearing: SIC</p> <p><b>Installation:</b> Maximum ambient temperature: 140 °F Maximum operating pressure: 362.59 psi</p>

Count	Description
	<p>Max pressure at stated temperature: 363 psi / 194 °F 363 psi / -4 °F</p> <p>Type of connection: PJE Size of inlet connection: DN 32 Size of suction port: 1 1/4 inch Size of outlet connection: DN 32 Size of outlet port: 1 1/4 inch Pressure rating for pipe connection: PN 50 Flange size for motor: 56C</p> <p><b>Electrical data:</b></p> <p>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 Motor Number: 98976607</p> <p><b>Others:</b></p> <p>Net weight: 56.8 lb Gross weight: 71.3 lb Shipping volume: 8.26 ft³ Country of origin: US Custom tariff no.: 8413.70.2040</p>

## 96081714 CRN 1S-19 A-P-A-V-HQQV 60 Hz



Description	Value
<b>General information:</b>	
Product name:	CRN 1S-19 A-P-A-V-HQQV
Product No.:	96081714
EAN:	5700395161588
<b>Technical:</b>	
Rated pump speed:	3466 rpm
Rated flow:	4.84 US gpm
Rated head:	351.7 ft
Head max:	531.9 ft
Stages:	19
Impellers:	19
Number of reduced-diameter impellers:	0
Low NPSH:	N
Pump orientation:	Vertical
Shaft seal arrangement:	Single
Code for shaft seal:	HQQV
Approvals on nameplate:	CURUS
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Cooling:	TEFC
<b>Materials:</b>	
Base:	Stainless steel EN 1.4408 AISI 316
Impeller:	Stainless steel EN 1.4401 AISI 316
Material code:	A
Code for rubber:	V
Bearing:	SIC
<b>Installation:</b>	
Maximum ambient temperature:	140 °F
Maximum operating pressure:	362.59 psi
Max pressure at stated temperature:	363 psi / 194 °F 363 psi / -4 °F
Type of connection:	PJE
Size of inlet connection:	DN 32
Size of suction port:	1 1/4 inch
Size of outlet connection:	DN 32
Size of outlet port:	1 1/4 inch
Pressure rating for pipe connection:	PN 50
Flange size for motor:	56C
Connect code:	P
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 194 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
<b>Electrical data:</b>	
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





Company name:

Created by:

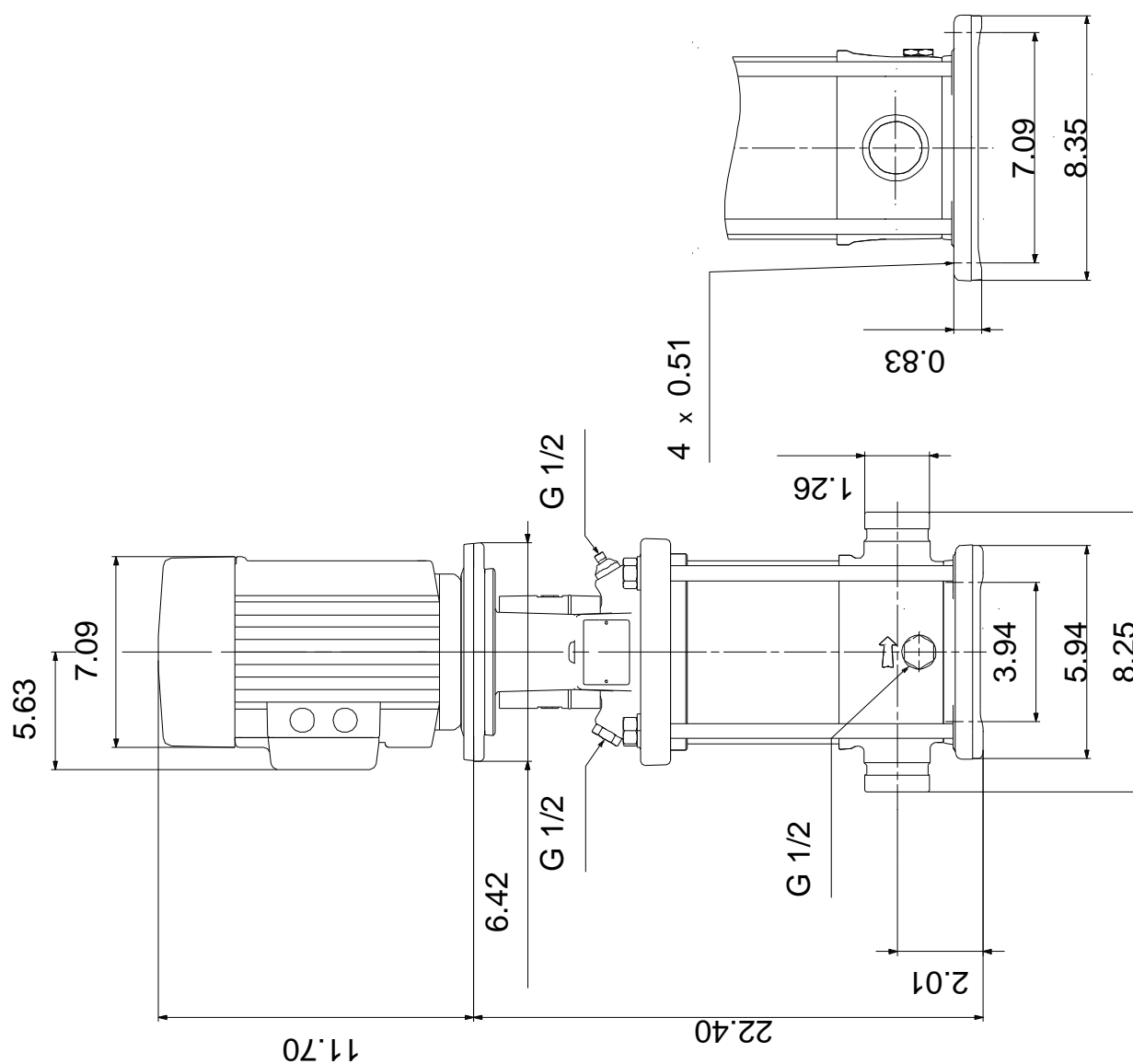
Phone:

Date:

8/5/2019

Description	Value
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	4,45-4,3/2,16 A
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
<b>Controls:</b>	
Frequency converter:	NONE
<b>Others:</b>	
Net weight:	56.8 lb
Gross weight:	71.3 lb
Shipping volume:	8.26 ft <sup>3</sup>
Country of origin:	US
Custom tariff no.:	8413.70.2040

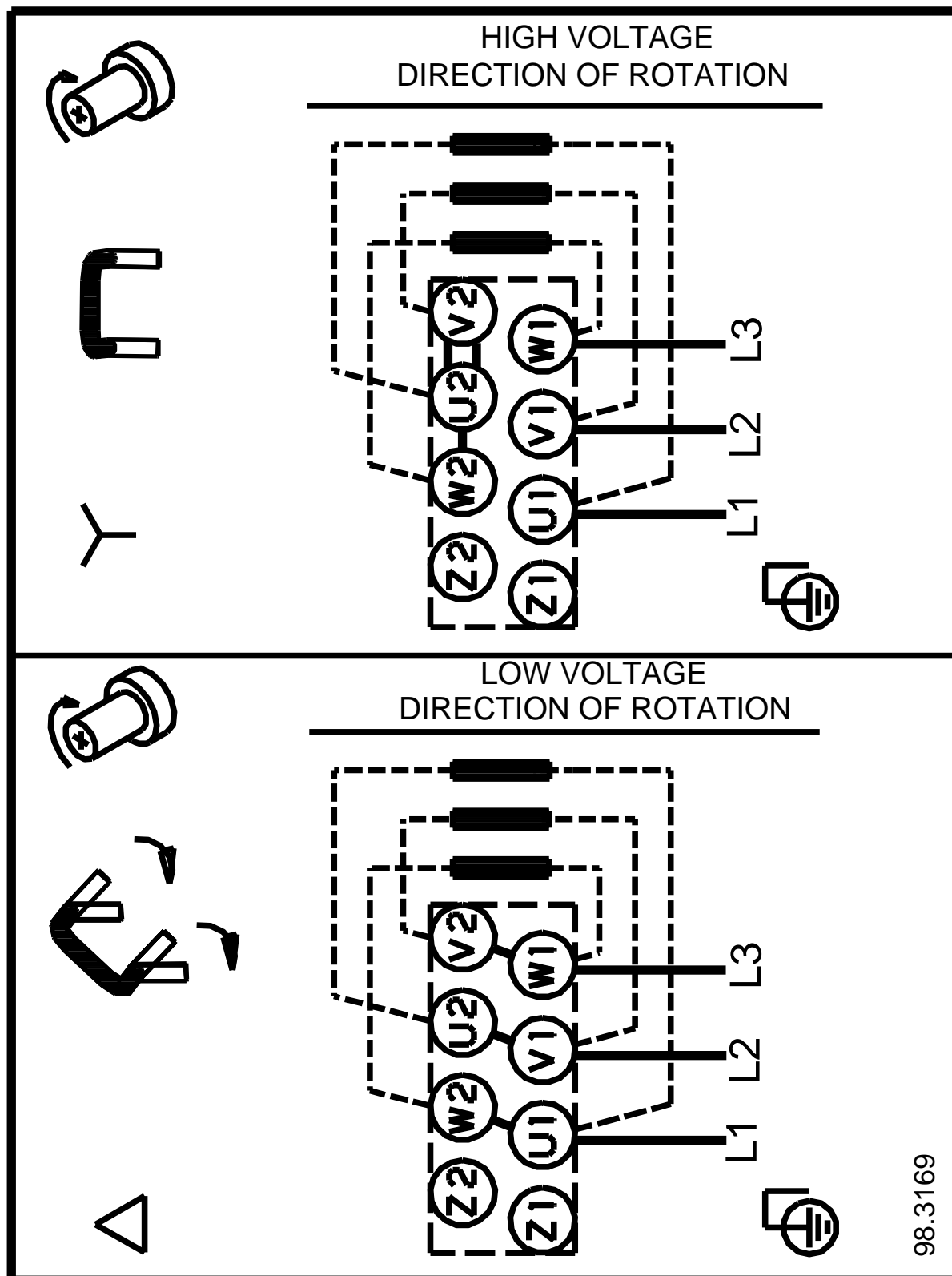
## 96081714 CRN 1S-19 A-P-A-V-HQQV 60 Hz



Note! All units are in [in] unless otherwise stated.

Disclaimer: This simplified dimensional drawing does not show all details.

96081714 CRN 1S-19 A-P-A-V-HQQV 60 Hz



All units are [in] unless otherwise presented.