

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

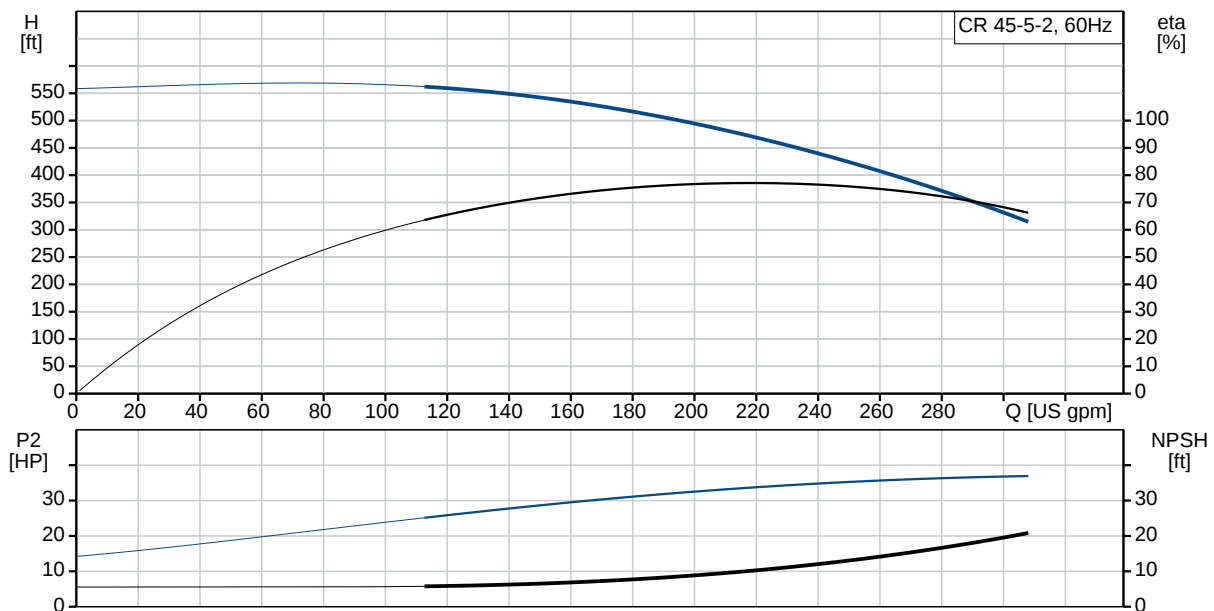


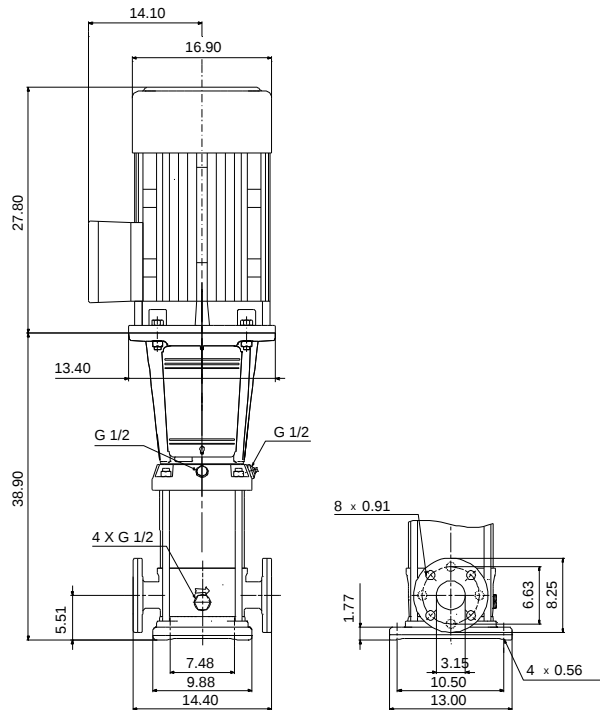
CR 45-5-2A-G-A-E-HQQE

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: 435 psi / 250 °F	Rated power - P2: 40 HP
Head: _____	Liquid temperature range: -22 .. 248 °F	Rated voltage: 230/460 V
Efficiency: _____	Maximum ambient temperature: 122 °F	Main frequency: 60 Hz
Liquid: Water	Approvals: CURUS, NSF61	Enclosure class: 54 Dust/Splashing
Temperature: 68 °F	Shaft seal: HQQE	Insulation class: F
NPSH required: ft	Product number: 99146549	Motor protection: NONE
Viscosity: _____		Motor type: Baldor
Specific Gravity: 1.000		





Materials:

Base: Cast iron
 EN 1563 EN-GJS-500-7
 ASTM A536 80-55-06

Impeller: Stainless steel
 AISI 304
 EN 1.4301

Material code: A

Code for rubber: E

Count	Description
1	CR 45-5-2A-G-A-E-HQQE  Product No.: 99146549 Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation. The pump has the following characteristics: - 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. The motor is a 3-phase AC motor. Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: -22 .. 248 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Technical: Rated pump speed: 3525 rpm Rated flow: 238 US gpm Rated head: 443.6 ft Pump orientation: Vertical Shaft seal arrangement: Single Code for shaft seal: HQQE Approvals on nameplate: CURUS,NSF61 Curve tolerance: ISO9906:2012 3B Materials: Base: Cast iron EN 1563 EN-GJS-500-7 ASTM A536 80-55-06 Impeller: Stainless steel EN 1.4301



Company name:

Created by:

Phone:

Date:

5/10/2019

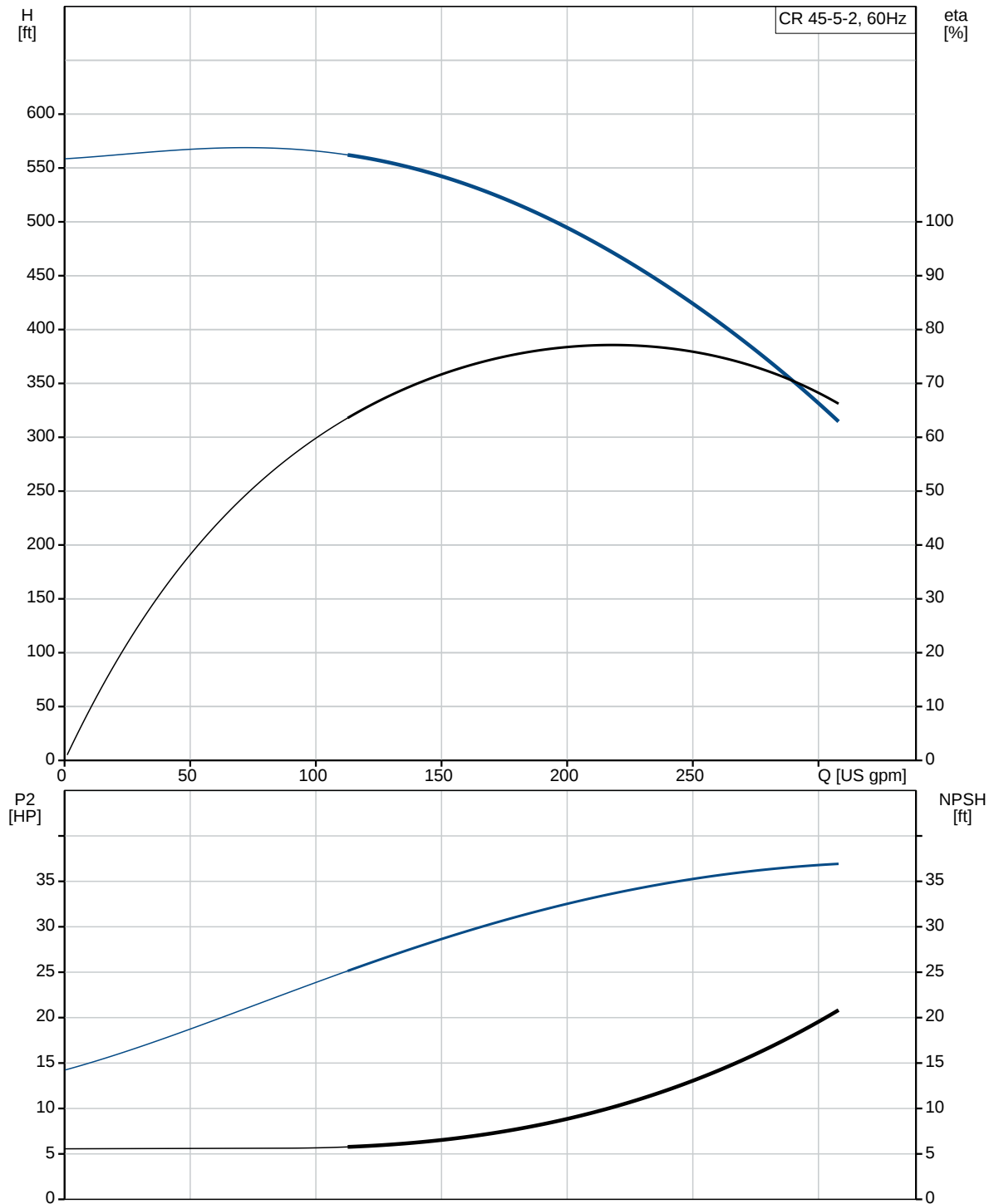
Count	Description
	AISI 304 Bearing: SIC Support bearing: Graflon Installation: Maximum ambient temperature: 122 °F Maximum operating pressure: 435.11 psi Max pressure at stated temperature: 435 psi / 250 °F 435 psi / -22 °F Type of connection: ANSI Size of suction port: 3 inch Size of outlet port: 3 inch Pressure rating for pipe connection: PN 40 Flange rating inlet: 300 lb Flange size for motor: 324TC Electrical data: Motor standard: NEMA Motor type: Baldor IE Efficiency class: NEMA Premium / IE3 60Hz Rated power - P2: 40 HP Power (P2) required by pump: 40 HP Main frequency: 60 Hz Rated voltage: 3 x 230/460 V Service factor: 1.15 Rated current: 90/45 A Cos phi - power factor: 0.86 Rated speed: 3540 rpm IE efficiency: IE3 93,6% Number of poles: 2 Enclosure class (IEC 34-5): 54 Dust/Splashing Insulation class (IEC 85): F Motor Number: 84Z03092 Others: Net weight: 1270 lb Gross weight: 1290 lb Shipping volume: 39.9 ft³



Company name:
Created by:
Phone:

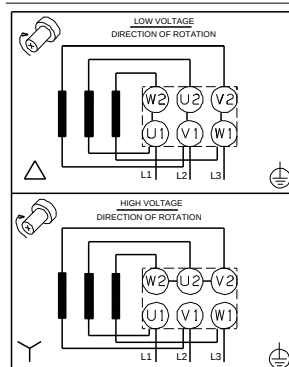
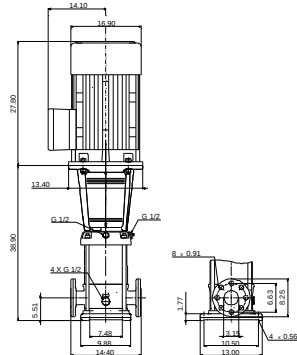
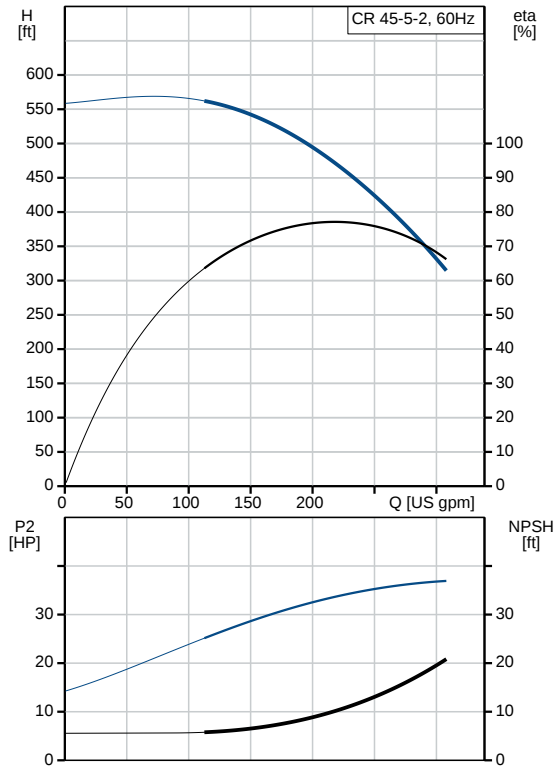
Date: 5/10/2019

99146549 CR 45-5-2A-G-A-E-HQQE 60 Hz



Date: 5/10/2019

Description	Value
General information:	
Product name:	CR 45-5-2A-G-A-E-HQQE
Product No.:	99146549
EAN:	5712607614256
Technical:	
Rated pump speed:	3525 rpm
Rated flow:	238 US gpm
Rated head:	443.6 ft
Head max:	558.4 ft
Stages:	5
Impellers:	5
Number of reduced-diameter impellers:	2
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:	B
Cooling:	TEFC
Materials:	
Base:	Cast iron EN 1563 EN-GJS-500-7
	ASTM A536 80-55-06
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Code for rubber:	E
Bearing:	SIC
Support bearing:	Graflon
Installation:	
Maximum ambient temperature:	122 °F
Maximum operating pressure:	435.11 psi
Max pressure at stated temperature:	435 psi / 250 °F
	435 psi / -22 °F
Type of connection:	ANSI
Size of suction port:	3 inch
Size of outlet port:	3 inch
Pressure rating for pipe connection:	PN 40
Flange rating inlet:	300 lb
Flange size for motor:	324TC
Connect code:	G
Liquid:	





Company name:

Created by:

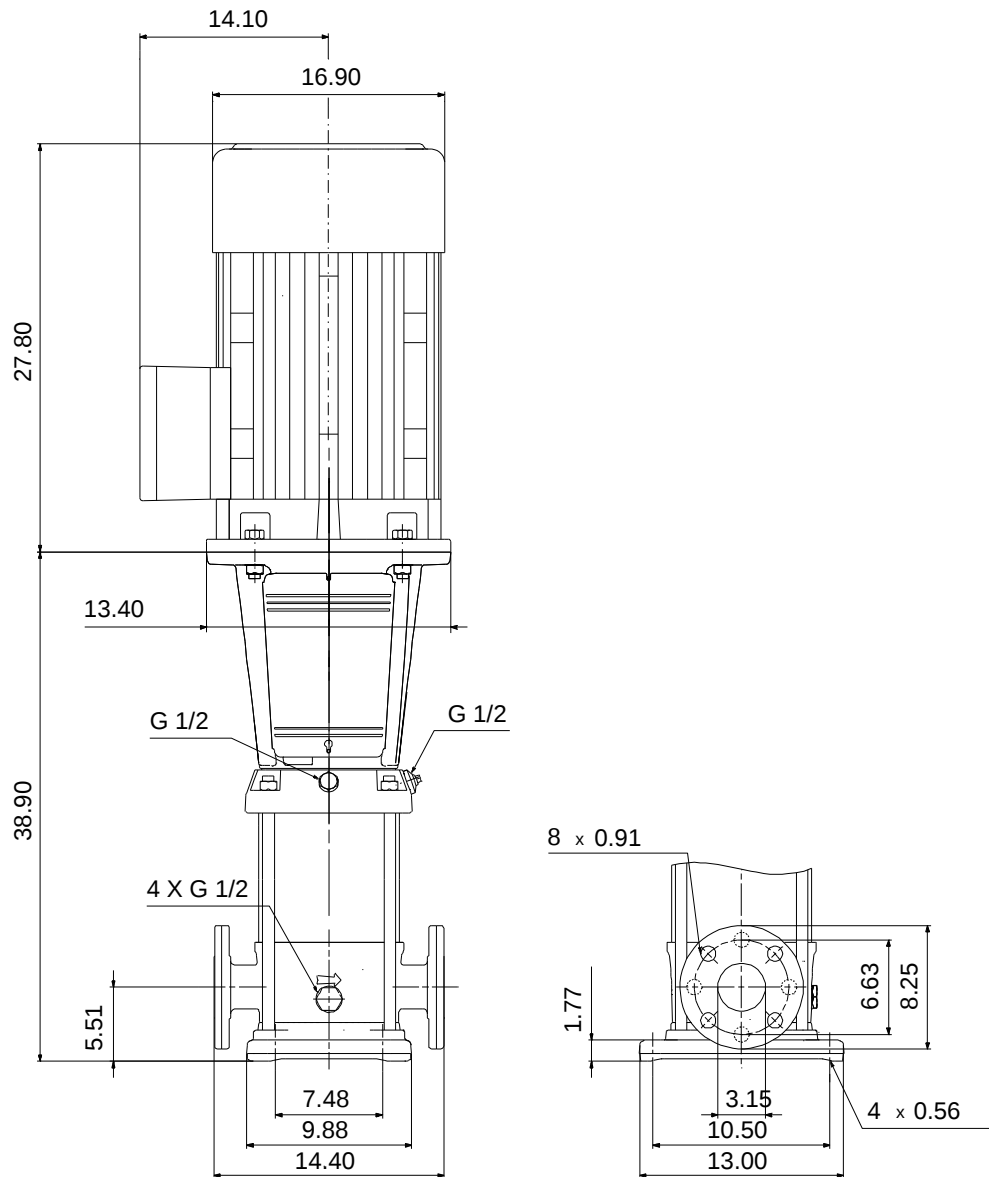
Phone:

Date:

5/10/2019

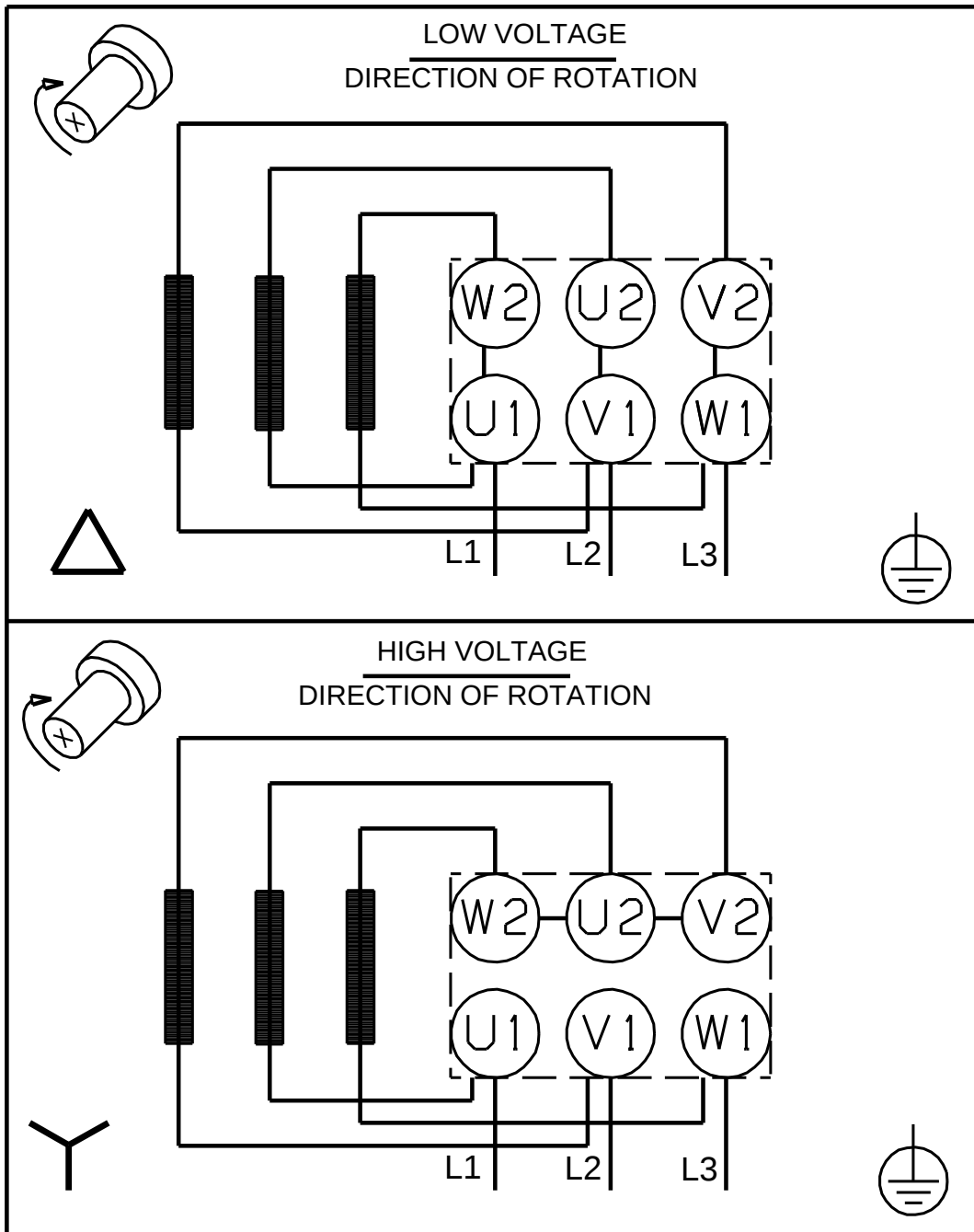
Description	Value
Pumped liquid:	Water
Liquid temperature range:	-22 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor standard:	NEMA
Motor type:	Baldor
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	40 HP
Power (P2) required by pump:	40 HP
Main frequency:	60 Hz
Rated voltage:	3 x 230/460 V
Service factor:	1.15
Rated current:	90/45 A
Load current:	102/51 A
Cos phi - power factor:	0.86
Rated speed:	3540 rpm
IE efficiency:	IE3 93,6%
Number of poles:	2
Enclosure class (IEC 34-5):	54 Dust/Splashing
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	84Z03092
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	1270 lb
Gross weight:	1290 lb
Shipping volume:	39.9 ft³
Sales region:	Namreg

99146549 CR 45-5-2A-G-A-E-HQQE 60 Hz



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

99146549 CR 45-5-2A-G-A-E-HQQE 60 Hz



All units are [in] unless otherwise presented.