

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

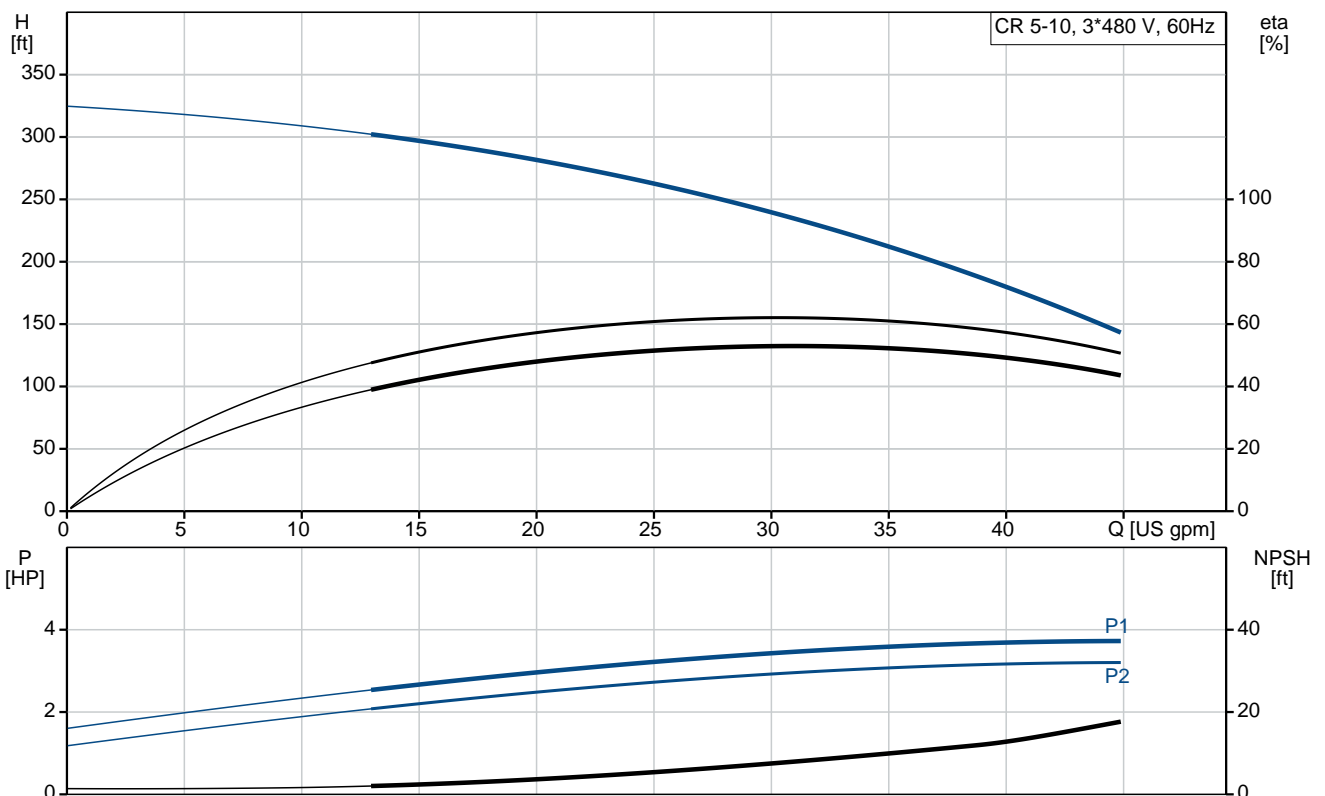
CR 5-10A-FGJ-A-E-HQQE

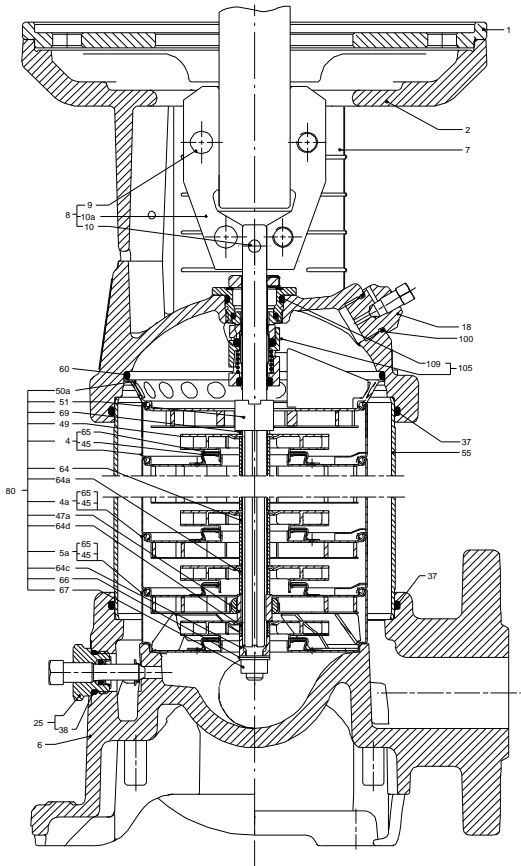
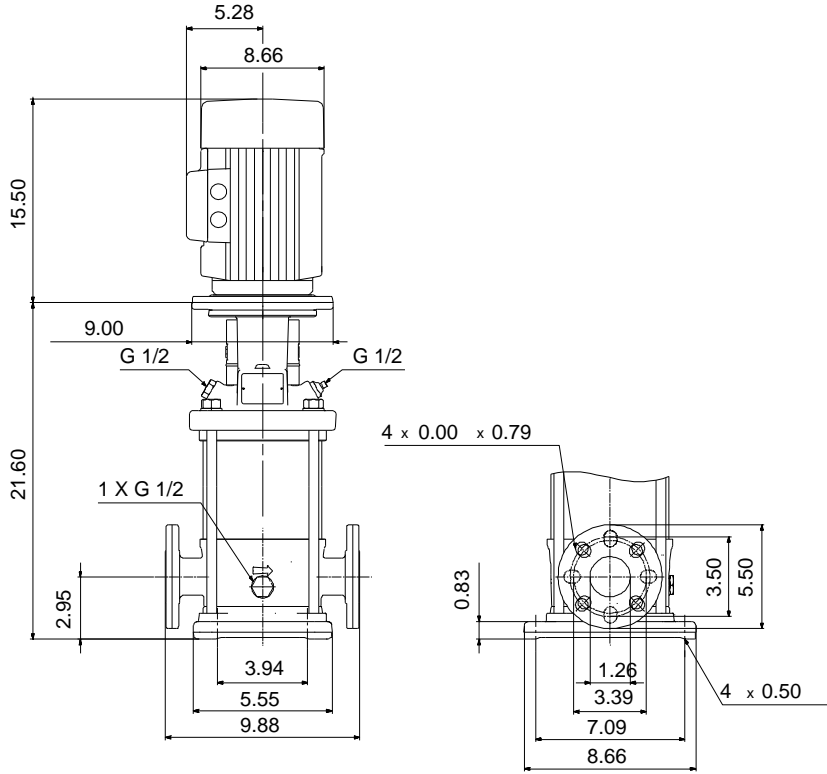


Vertical, multistage centrifugal pump with suction and discharge ports on the same level. The pump head and base are in cast iron. All other wetted parts are in stainless steel (EN 1.4301)(AISI 304)

Product photo could vary from the actual product


Conditions of Service	Pump Data	Motor Data
Flow: _____	Max pressure at stated temperature: 363 psi / 250 °F	Rated power - P2: 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: 97742741	Motor protection: PTC
Viscosity: _____		Motor type: 112CA
Specific Gravity: 1.000		Motor_efficiency: 88.5 %





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 data-bbox="225 340 526 362">CR 5-10A-FGJ-A-E-HQQE</p> <div data-bbox="256 383 576 790">  </div> <p data-bbox="619 770 1070 792">Product photo could vary from the actual product</p> <p data-bbox="225 801 488 824">Product No.: 97742741</p> <p data-bbox="225 831 748 913">Vertical, non-self-priming, multistage, in-line, centrifugal pump for installation in pipe systems and mounting on a foundation.</p> <p data-bbox="225 949 702 972">The pump has the following characteristics:</p> <ul data-bbox="264 981 850 1037" style="list-style-type: none"> - Impellers and intermediate chambers are made of - The shaft seal has assembly length <p data-bbox="225 1041 485 1064">according to EN 12756.</p> <ul data-bbox="264 1070 735 1126" style="list-style-type: none"> - Power transmission is via cast iron split coupling. <p data-bbox="225 1160 600 1182">The motor is a 3-phase AC motor.</p> <p data-bbox="225 1218 325 1240">Controls:</p> <p data-bbox="225 1247 660 1270">Frequency converter: NONE</p> <p data-bbox="225 1305 309 1328">Liquid:</p> <p data-bbox="225 1337 655 1359">Pumped liquid: Water</p> <p data-bbox="225 1366 713 1388">Liquid temperature range: -4 .. 248 °F</p> <p data-bbox="225 1395 651 1417">Selected liquid temperature: 68 °F</p> <p data-bbox="225 1424 708 1447">Density: 62.29 lb/ft³</p> <p data-bbox="225 1482 349 1505">Technical:</p> <p data-bbox="225 1514 695 1536">Rated pump speed: 3461 rpm</p> <p data-bbox="225 1543 735 1565">Rated flow: 30.4 US gpm</p> <p data-bbox="225 1572 676 1594">Rated head: 241.8 ft</p> <p data-bbox="225 1601 671 1624">Pump orientation: Vertical</p> <p data-bbox="225 1630 660 1653">Shaft seal arrangement: Single</p> <p data-bbox="225 1659 660 1682">Code for shaft seal: HQQE</p> <p data-bbox="225 1688 759 1711">Approvals on nameplate: CURUS,NSF61</p> <p data-bbox="225 1718 786 1740">Curve tolerance: ISO9906:2012 3B</p> <p data-bbox="225 1776 341 1798">Materials:</p> <p data-bbox="225 1807 831 1897">Base: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p> <p data-bbox="225 1901 751 1957">Impeller: Stainless steel EN 1.4301</p> <p data-bbox="225 1962 687 2013">Bearing: AISI 304 SIC</p> <p data-bbox="225 2049 367 2072">Installation:</p> <p data-bbox="225 2078 663 2101">Maximum ambient temperature: 140 °F</p>



Company name:

Created by:

Phone:

Date:

5/15/2019

Count	Description
	Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / 250 °F 363 psi / -4 °F
	Type of connection: DIN / ANSI / JIS Size of inlet connection: DN 25/32 Size of suction port: 1 1/4 inch Size of outlet connection: DN 25/32 Size of outlet port: 1 1/4 inch Pressure rating for pipe connection: PN 25 Flange rating inlet: 250 lb Flange size for motor: 182TC
	Electrical data: Motor standard: NEMA Motor type: 112CA IE Efficiency class: NEMA Premium / IE3 60Hz Rated power - P2: 5 HP Power (P2) required by pump: 5 HP Main frequency: 60 Hz Rated voltage: 3 x 208-230YY/460Y V Service factor: 1.15 Rated current: 14,1-13,1/7,29 A Starting current: 1000-1470 % Cos phi - power factor: 0.89-0.86 Rated speed: 3525-3540 rpm IE efficiency: IE3 88,5% Motor efficiency at full load: 88.5 % Motor efficiency at 3/4 load: 88.6 % Motor efficiency at 1/2 load: 85.2 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor Number: 85904389
	Others: Net weight: 143 lb Gross weight: 158 lb Shipping volume: 8.26 ft ³ Country of origin: US Custom tariff no.: 8413.70.2040



Company name:

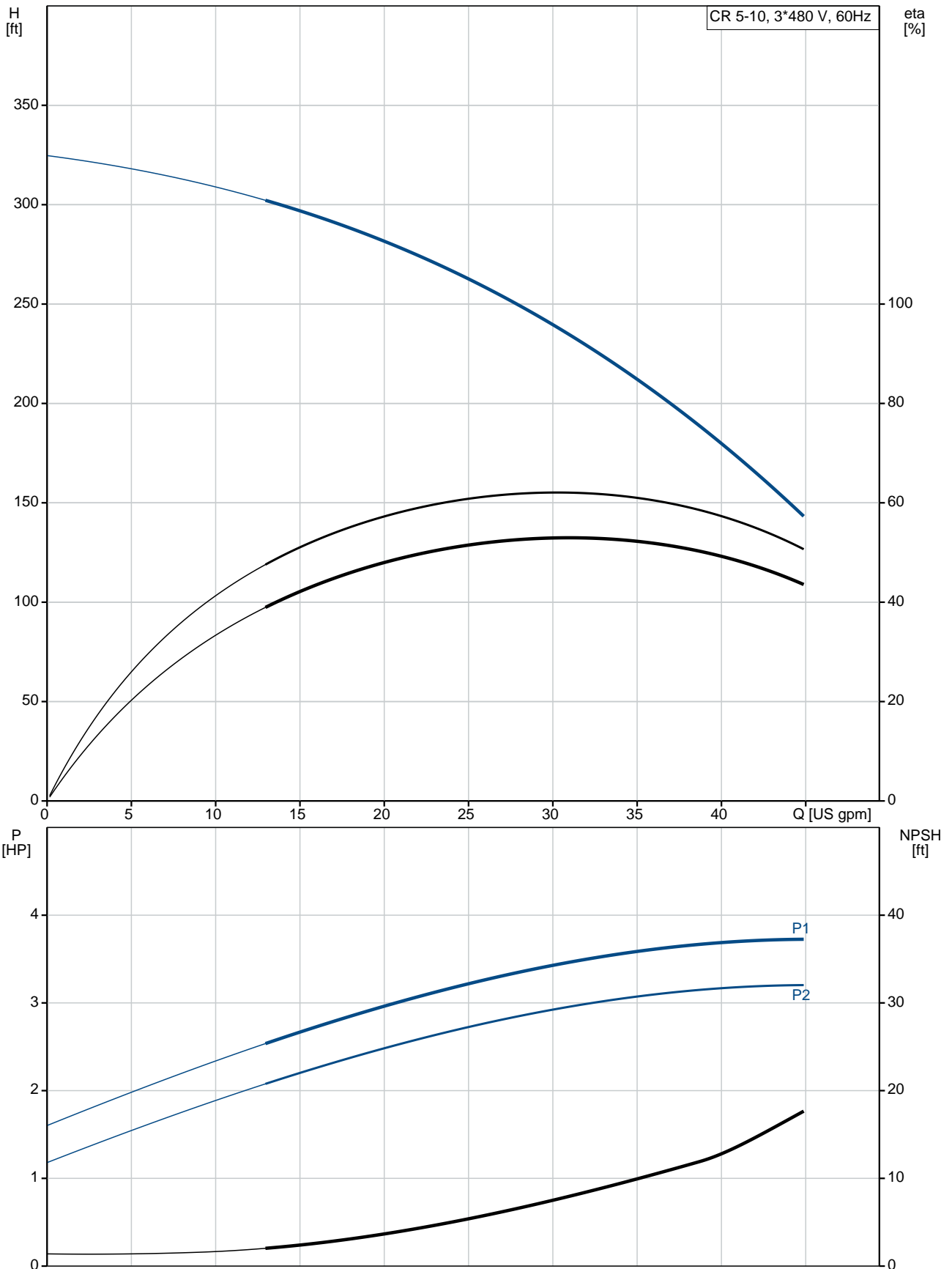
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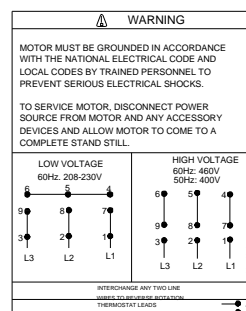
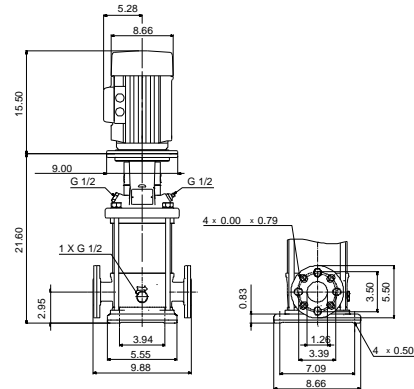
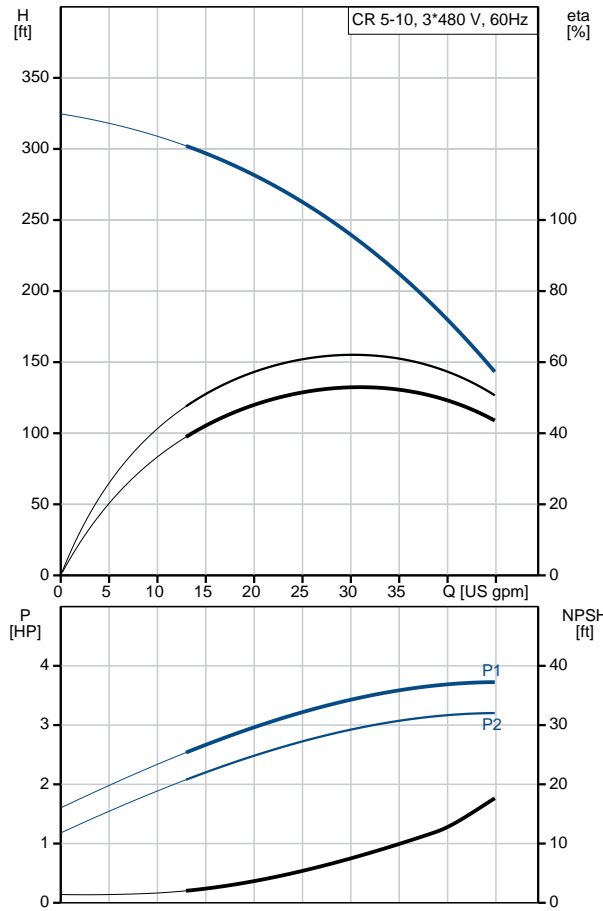
Date:

5/15/2019

97742741 CR 5-10A-FGJ-A-E-HQQE 60 Hz



Description	Value
General information:	
Product name:	CR 5-10A-FGJ-A-E-HQQE
Product No.:	97742741
EAN:	5710623573724
Technical:	
Rated pump speed:	3461 rpm
Rated flow:	30.4 US gpm
Rated head:	241.8 ft
Head max:	326.8 ft
Stages:	10
Impellers:	10
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
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:	362.59 psi
Max pressure at stated temperature:	363 psi / 250 °F 363 psi / -4 °F
Type of connection:	DIN / ANSI / JIS
Size of inlet connection:	DN 25/32
Size of suction port:	1 1/4 inch
Size of outlet connection:	DN 25/32
Size of outlet port:	1 1/4 inch
Pressure rating for pipe connection:	PN 25
Flange rating inlet:	250 lb
Flange size for motor:	182TC
Connect code:	FGJ
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	-4 .. 248 °F
Selected liquid temperature:	68 °F
Density:	62.29 lb/ft³
Electrical data:	
Motor standard:	NEMA
Motor type:	112CA
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	5 HP
Power (P2) required by pump:	5 HP





Company name:

Created by:

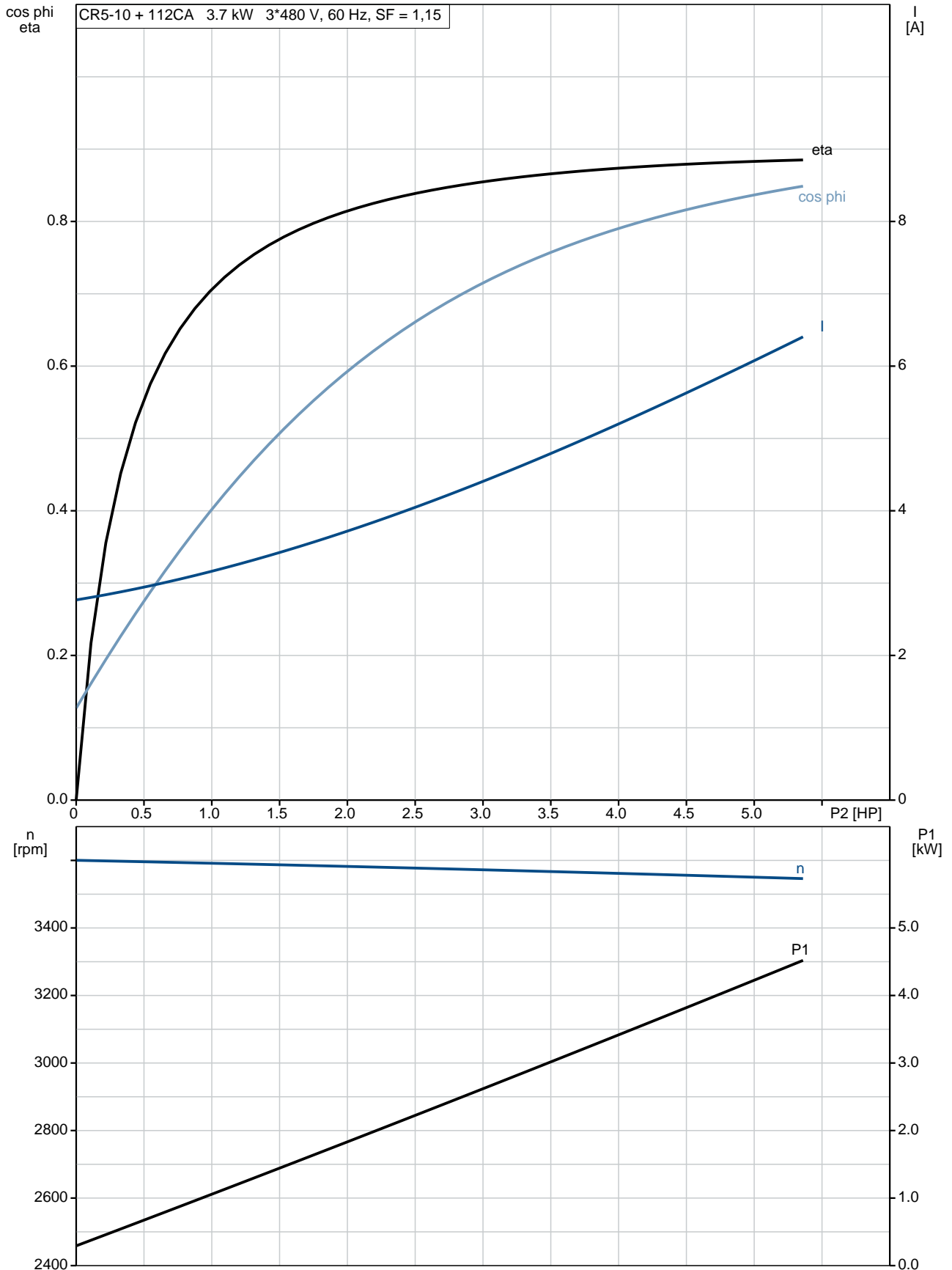
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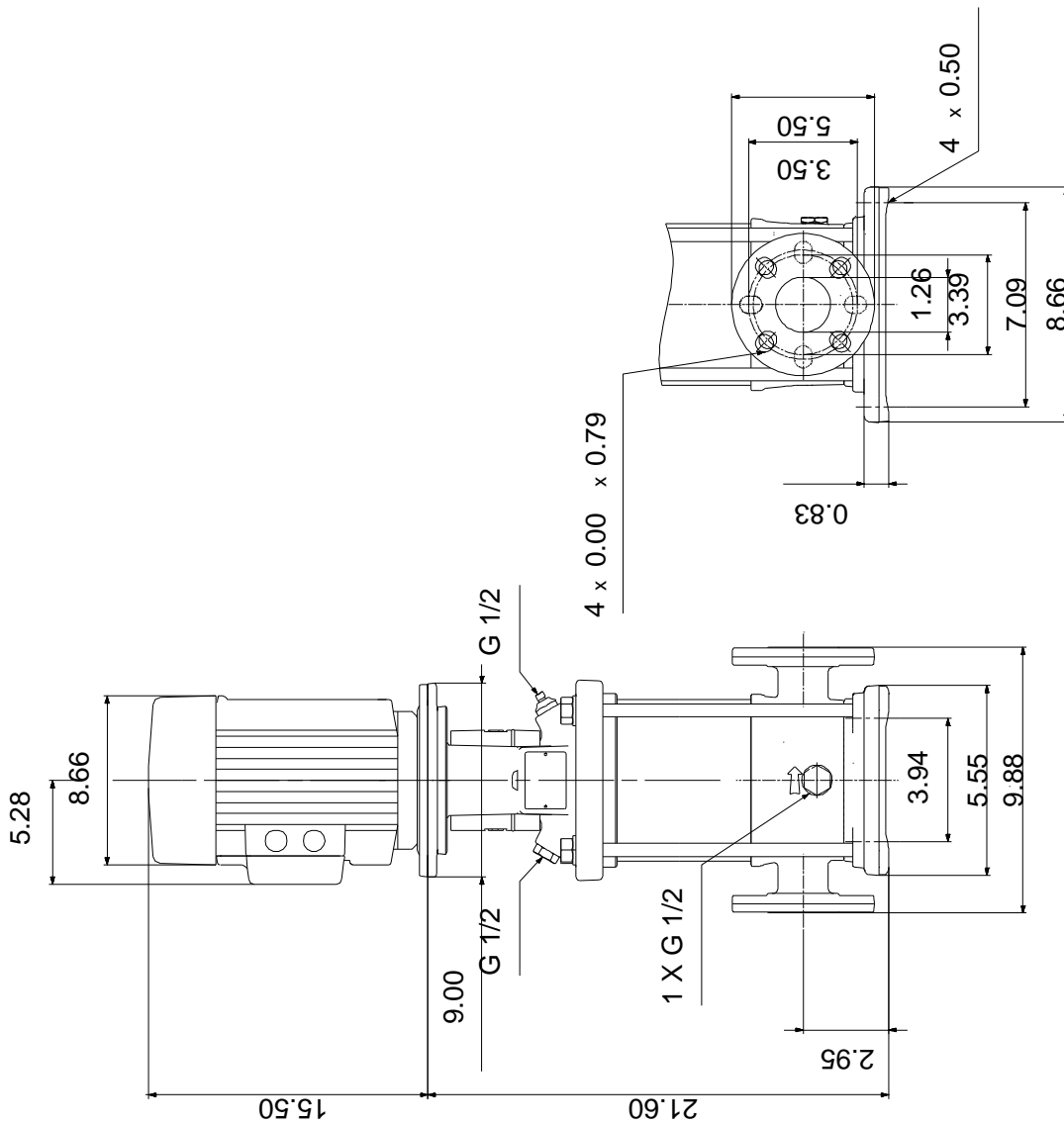
5/15/2019

Description	Value
Main frequency:	60 Hz
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	14,1-13,1/7,29 A
Starting current:	1000-1470 %
Load current:	16,2-15,0/8,40 A
Cos phi - power factor:	0.89-0.86
Rated speed:	3525-3540 rpm
IE efficiency:	IE3 88,5%
Motor efficiency at full load:	88.5 %
Motor efficiency at 3/4 load:	88.6 %
Motor efficiency at 1/2 load:	85.2 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protection:	PTC
Motor Number:	85904389
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	143 lb
Gross weight:	158 lb
Shipping volume:	8.26 ft ³
Country of origin:	US
Custom tariff no.:	8413.70.2040

97742741 CR 5-10A-FGJ-A-E-HQQE 60 Hz



97742741 CR 5-10A-FGJ-A-E-HQQE 60 Hz



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

97742741 CR 5-10A-FGJ-A-E-HQQE 60 Hz



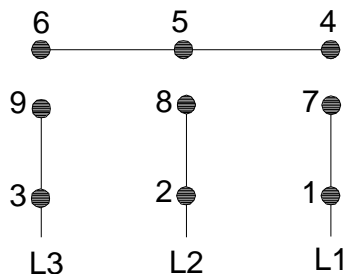
WARNING

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

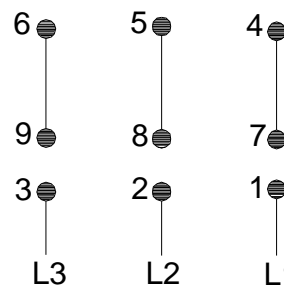
60Hz. 208-230V



HIGH VOLTAGE

60Hz: 460V

50Hz: 400V



96553852

INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION

THERMOSTAT LEADS

(WHEN PROVIDED)

