

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

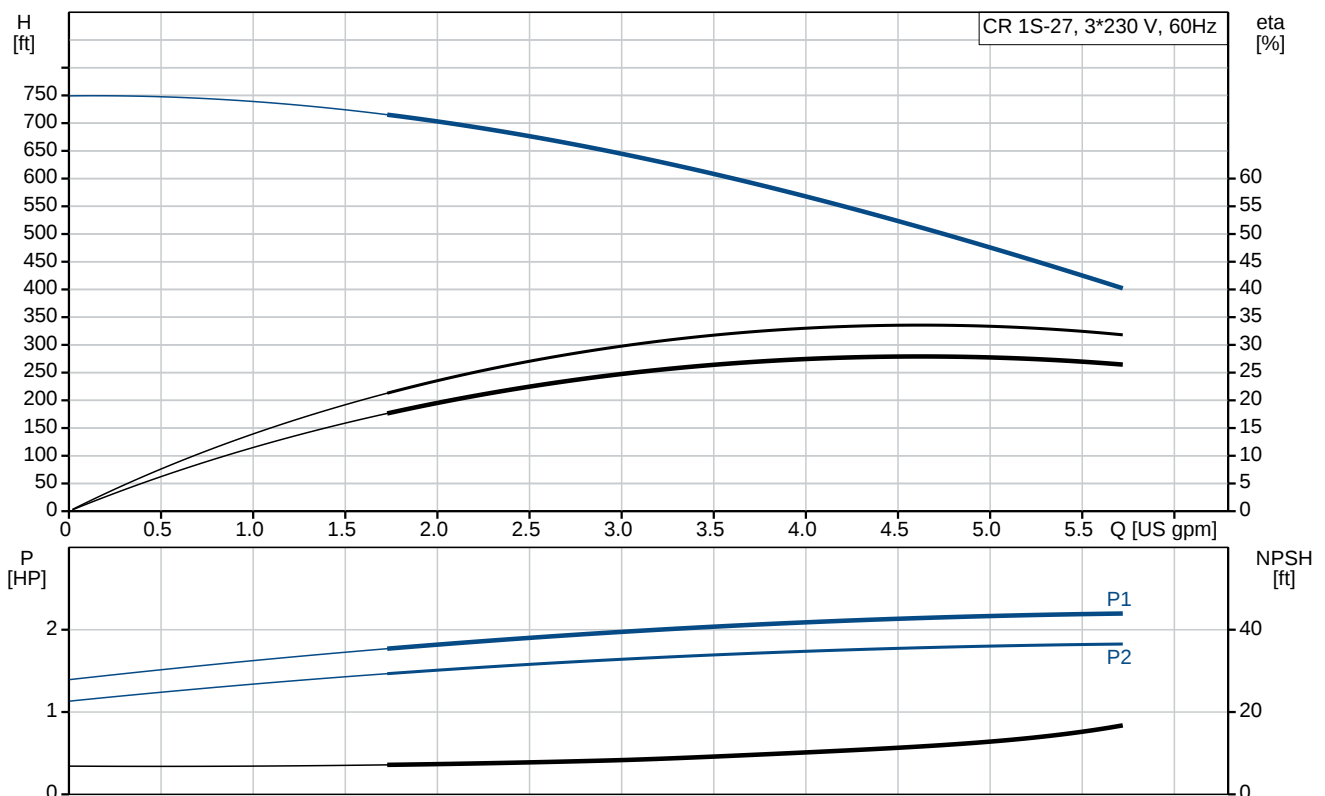


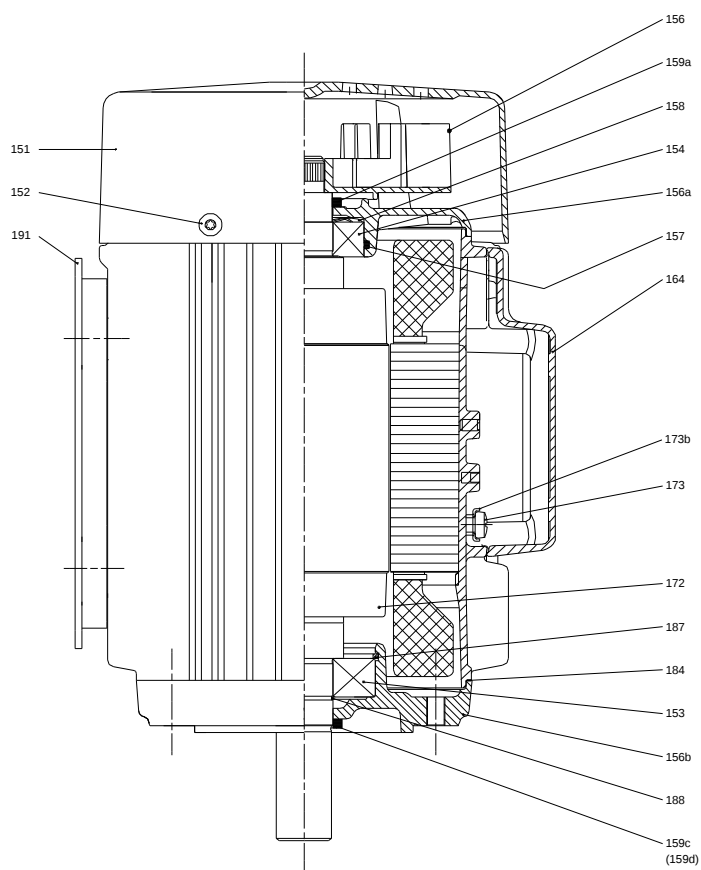
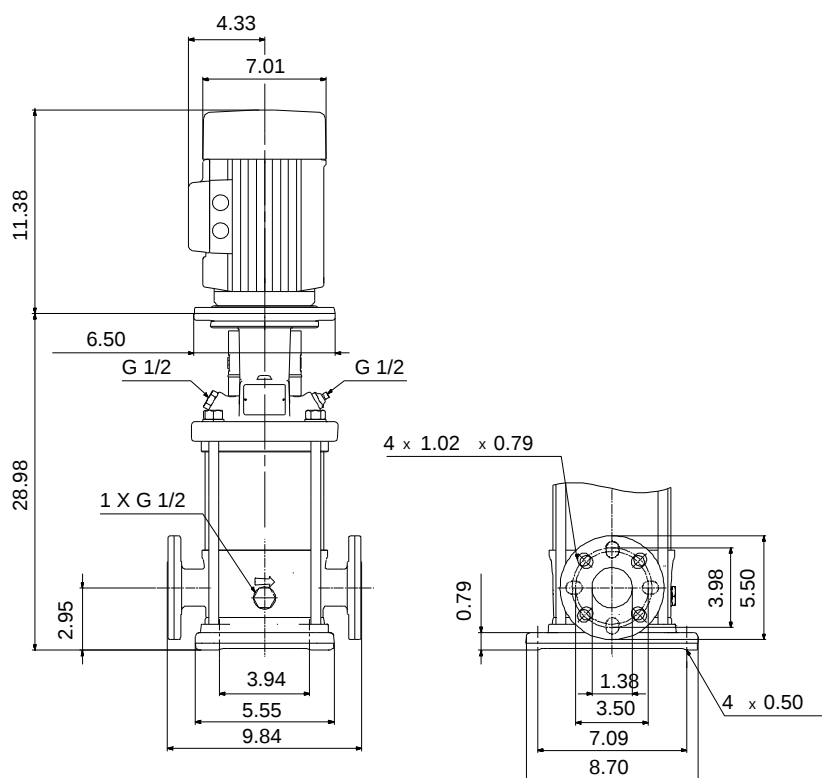
CR 1S-27 A-FGJ-A-E-HQQE

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: 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: 96081057	Motor protection: NONE
Viscosity: _____		Motor type: 90CC
Specific Gravity: 1.000		Motor_efficiency: 85.5 %





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	CR 1S-27 A-FGJ-A-E-HQQE  Product No.: 96081057 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: -4 .. 248 °F Liquid temperature during operation: 68 °F Density: 62.29 lb/ft³ Technical: Rated pump speed: 3452 rpm Rated flow: 4.84 US gpm Rated head: 496.1 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 1561 EN-GJL-200 ASTM A48-25B Impeller: Stainless steel EN 1.4301 AISI 304 Bearing: SIC Installation: Maximum ambient temperature: 140 °F Maximum operating pressure: 363 psi Max pressure at stated temperature: 363 psi / 250 °F 363 psi / -4 °F Type of connection: DIN / ANSI / JIS



Company name:

Created by:

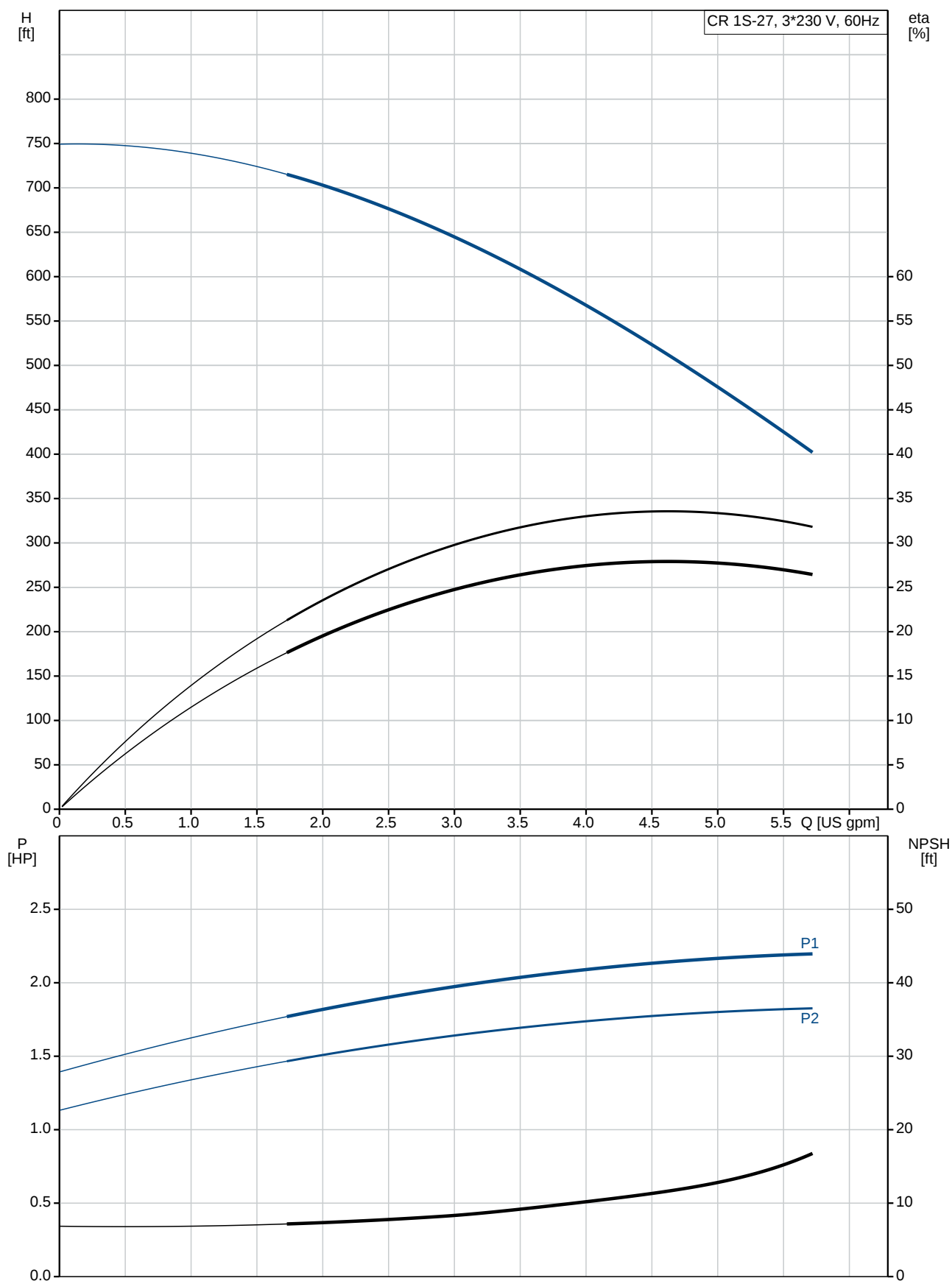
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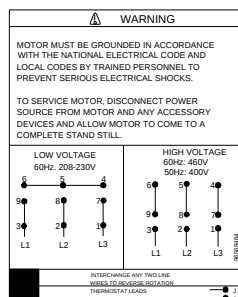
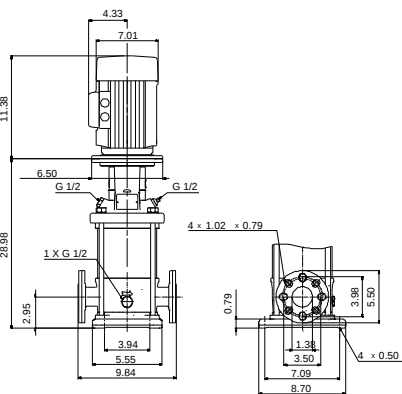
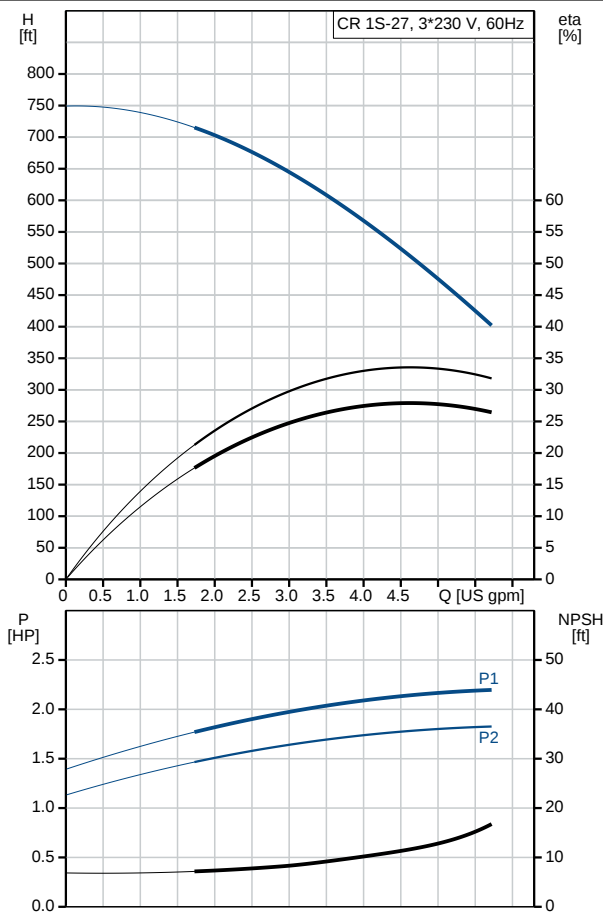
3/11/2019

Count	Description
	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: 56C Electrical data: 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 Starting current: 810-900 % 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 Others: Net weight: 100 lb Gross weight: 118 lb Shipping volume: 10.1 ft³ Country of origin: US Custom tariff no.: 8413.70.2040

96081057 CR 1S-27 A-FGJ-A-E-HQQE 60 Hz



Description	Value
General information:	
Product name:	CR 1S-27 A-FGJ-A-E-HQQE
Product No.:	96081057
EAN:	5700395155136
Technical:	
Rated pump speed:	3452 rpm
Rated flow:	4.84 US gpm
Rated head:	496.1 ft
Head max:	746.4 ft
Stages:	27
Impellers:	27
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:	363 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:	56C
Connect code:	FGJ
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:	90CC
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	2 HP
Power (P2) required by pump:	2 HP
Main frequency:	60 Hz





Company name:

Created by:

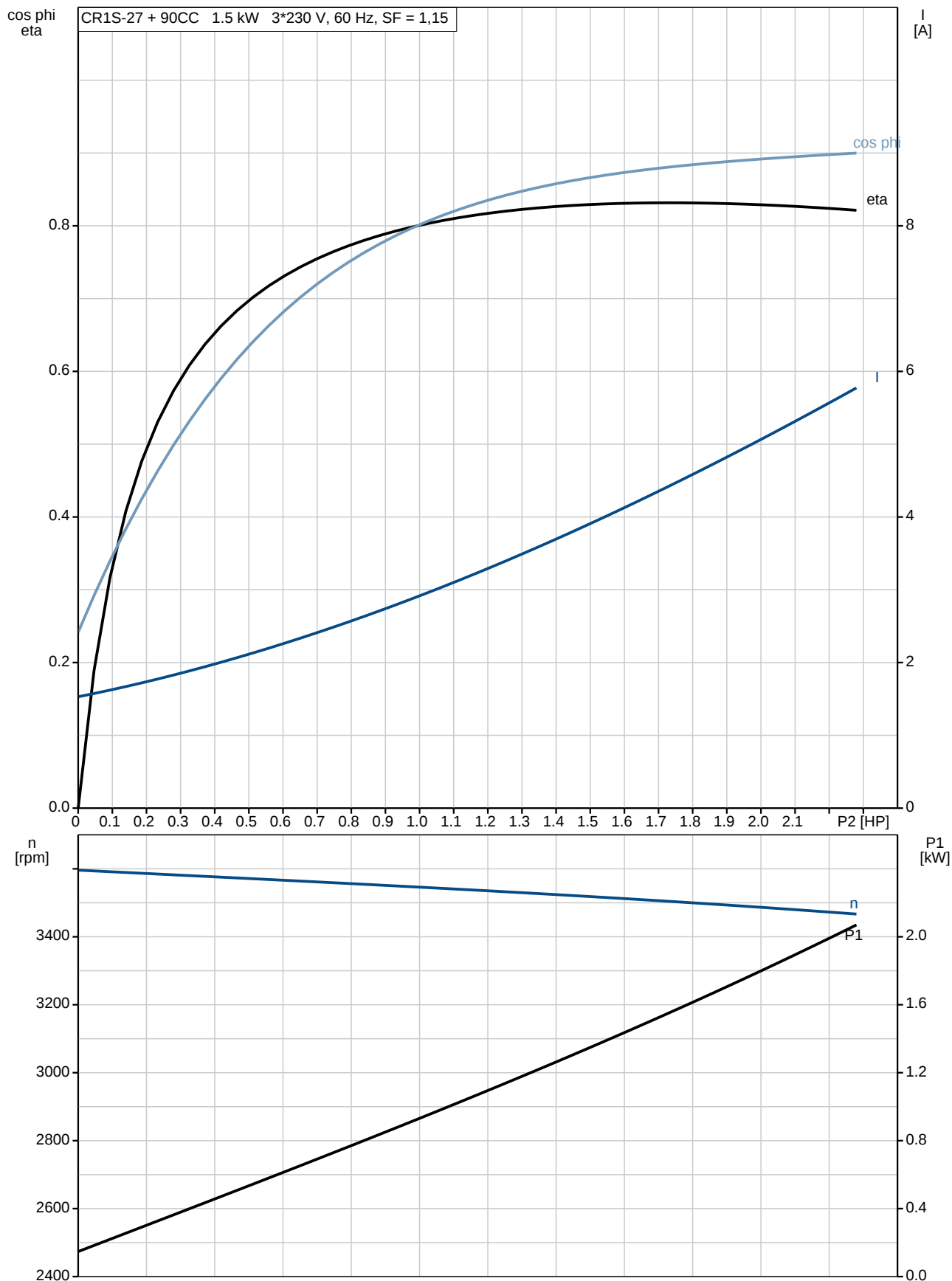
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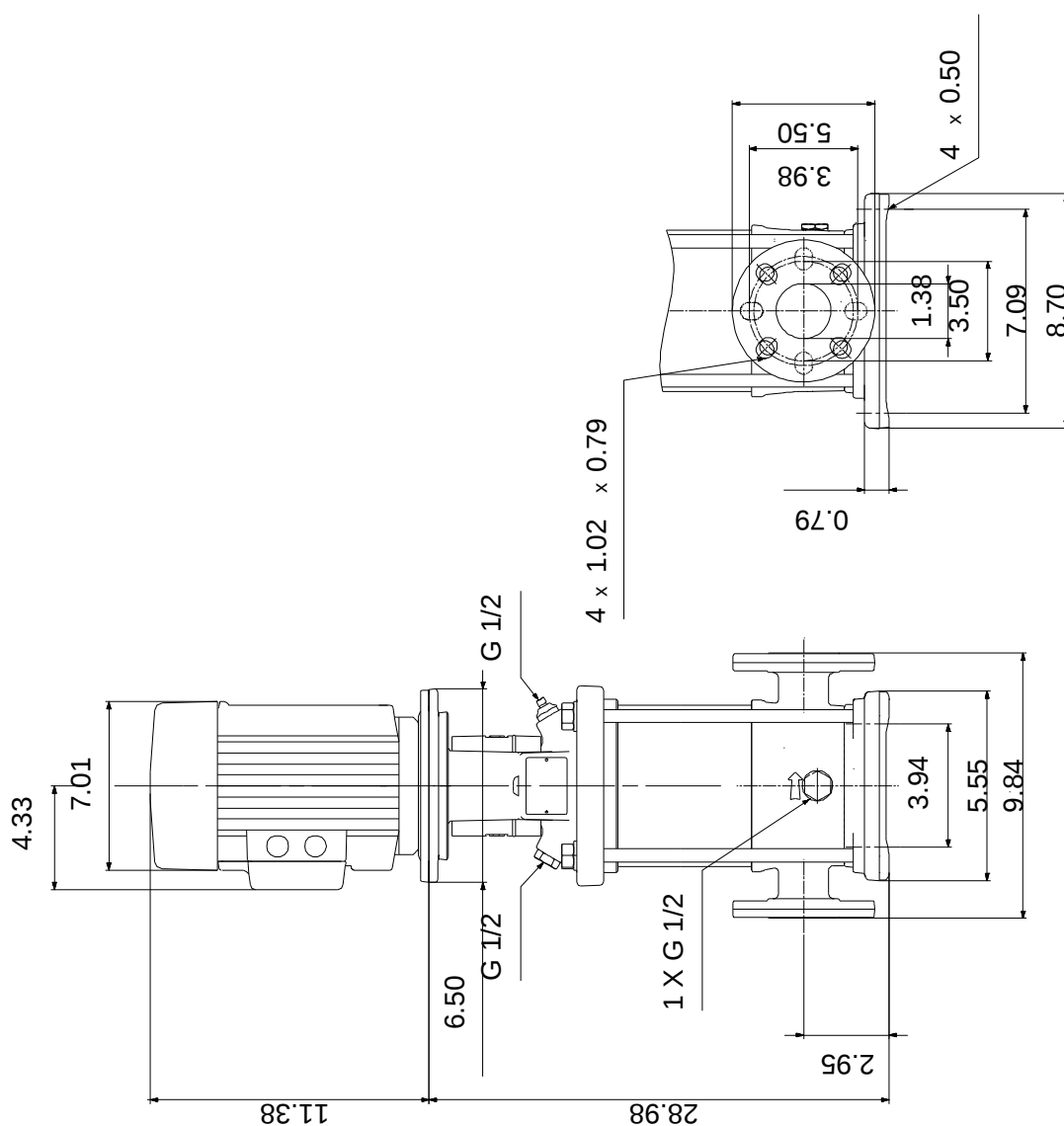
3/11/2019

Description	Value
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.15
Rated current:	5,70-5,40/2,70 A
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
Controls:	
Frequency converter:	NONE
Others:	
Net weight:	100 lb
Gross weight:	118 lb
Shipping volume:	10.1 ft ³
Country of origin:	US
Custom tariff no.:	8413.70.2040

96081057 CR 1S-27 A-FGJ-A-E-HQQE 60 Hz

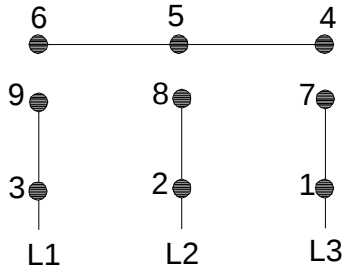
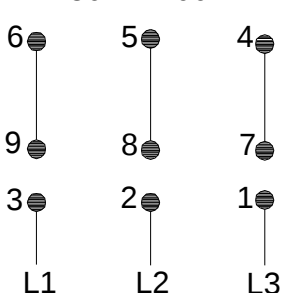


96081057 CR 1S-27 A-FGJ-A-E-HQQE 60 Hz



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

96081057 CR 1S-27 A-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 
INTERCHANGE ANY TWO LINE WIRES TO REVERSE ROTATION	
THERMOSTAT LEADS (WHEN PROVIDED)  J  J	

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