

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

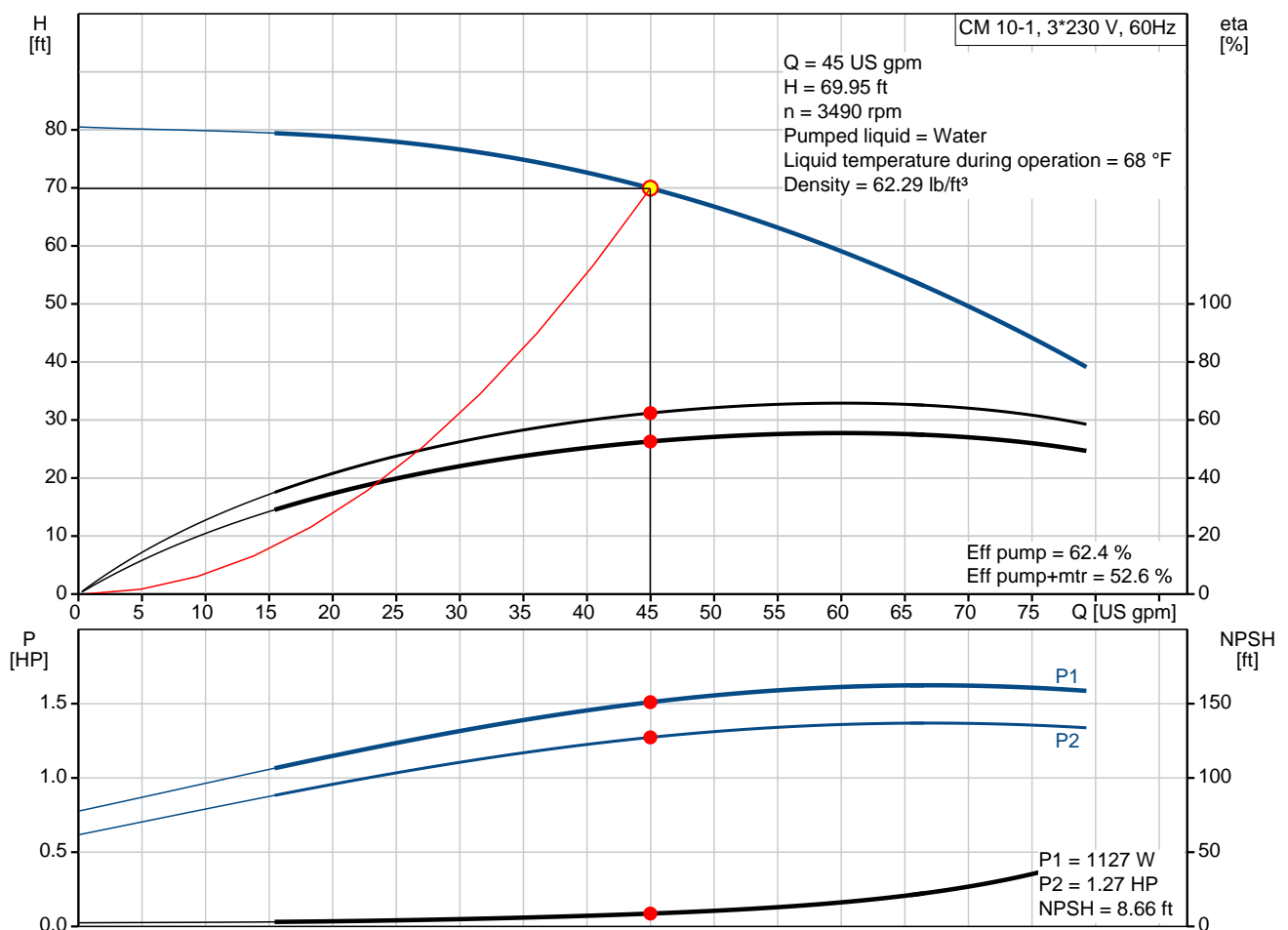
### CM 10-1 A-S-A-V-AQQV E-A-A-N

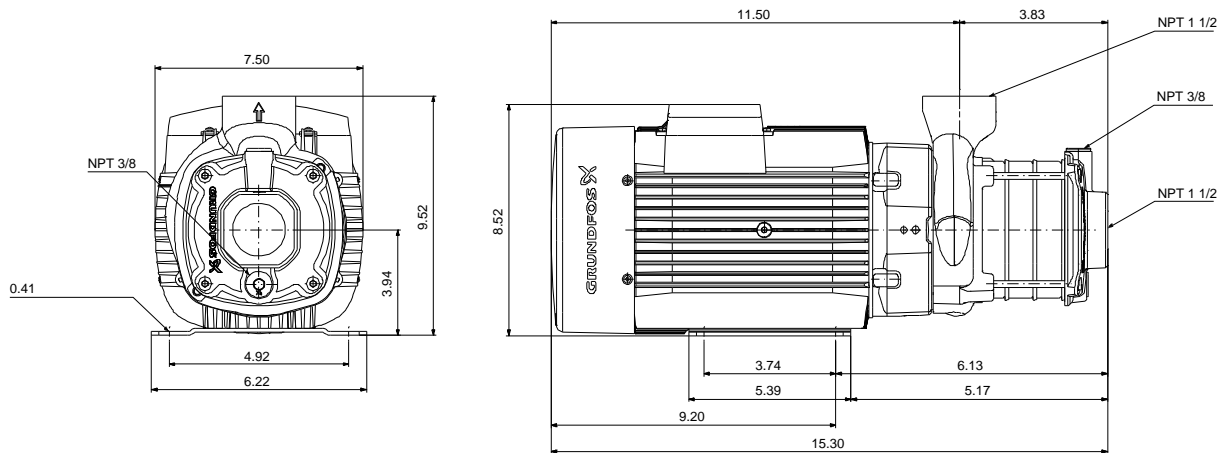


CM are reliable, quiet and compact horizontal end-suction pumps. The modular pump design makes it easy to make customised solutions. The CM pumps are available in cast iron and stainless steel

Product photo could vary from the actual product


Conditions of Service	Pump Data	Motor Data
Flow: 45 US gpm	Max pressure at stated temperature: 145 psi / 194 °F	Main frequency: 60 Hz
Head: 69.95 ft	Liquid temperature range: -4 .. 194 °F	Enclosure class: IP55
Efficiency: 52.6 %	Maximum ambient temperature: 131 °F	
Liquid: Water	Shaft seal: AQQV	
Temperature: 68 °F	Product number: On request	
NPSH required: 8.66 ft		
Viscosity: _____		
Specific Gravity: 1.000		





**Materials:**

- Pump housing: Cast iron  
ASTM A48-25A
- Impeller: Stainless steel  
AISI 304  
EN 1.4301
- Material code: A
- Code for rubber: V

Count	Description
1	<p><b>CM 10-1 A-S-A-V-AQQV E-A-A-N</b></p>  <p>Product photo could vary from the actual product</p> <p>Product No.: On request</p> <p>Compact, reliable, horizontal, multistage, end-suction centrifugal pump with axial suction port and radial discharge port. The shaft, impellers and chambers are made of stainless steel. The inlet and discharge parts are made of cast iron. The mechanical shaft seal is a special designed, unbalanced O-ring seal. Pipework connection is via internal NPT pipe threads.</p> <p>The pump is fitted with a 3-phase, foot-mounted, fan-cooled asynchronous 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> Pump speed on which pump data are based: 3480 rpm Actual calculated flow: 45 US gpm Rated flow: 52.8 US gpm Resulting head of the pump: 69.95 ft Rated head: 64.6 ft Code for shaft seal: AQQV Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b> Pump housing: Cast iron EN-GJL-200 ASTM A48-25A Impeller: Stainless steel EN 1.4301 AISI 304</p> <p><b>Installation:</b> Range of ambient temperature: -4 .. 131 °F Maximum operating pressure: 145.04 psi Max pressure at stated temperature: 145 psi / 194 °F 145 psi / 194 °F Type of connection: NPT(F) Size of suction port: 1 1/2 inch Size of outlet port: 1 1/2 inch Outlet position: 12</p> <p><b>Electrical data:</b> Motor standard: NEMA Frame size: 80B IE efficiency class: IE2 / NEMA Energy / NRC Rated power - P2: 1.72 HP</p>



Company name:

Created by:

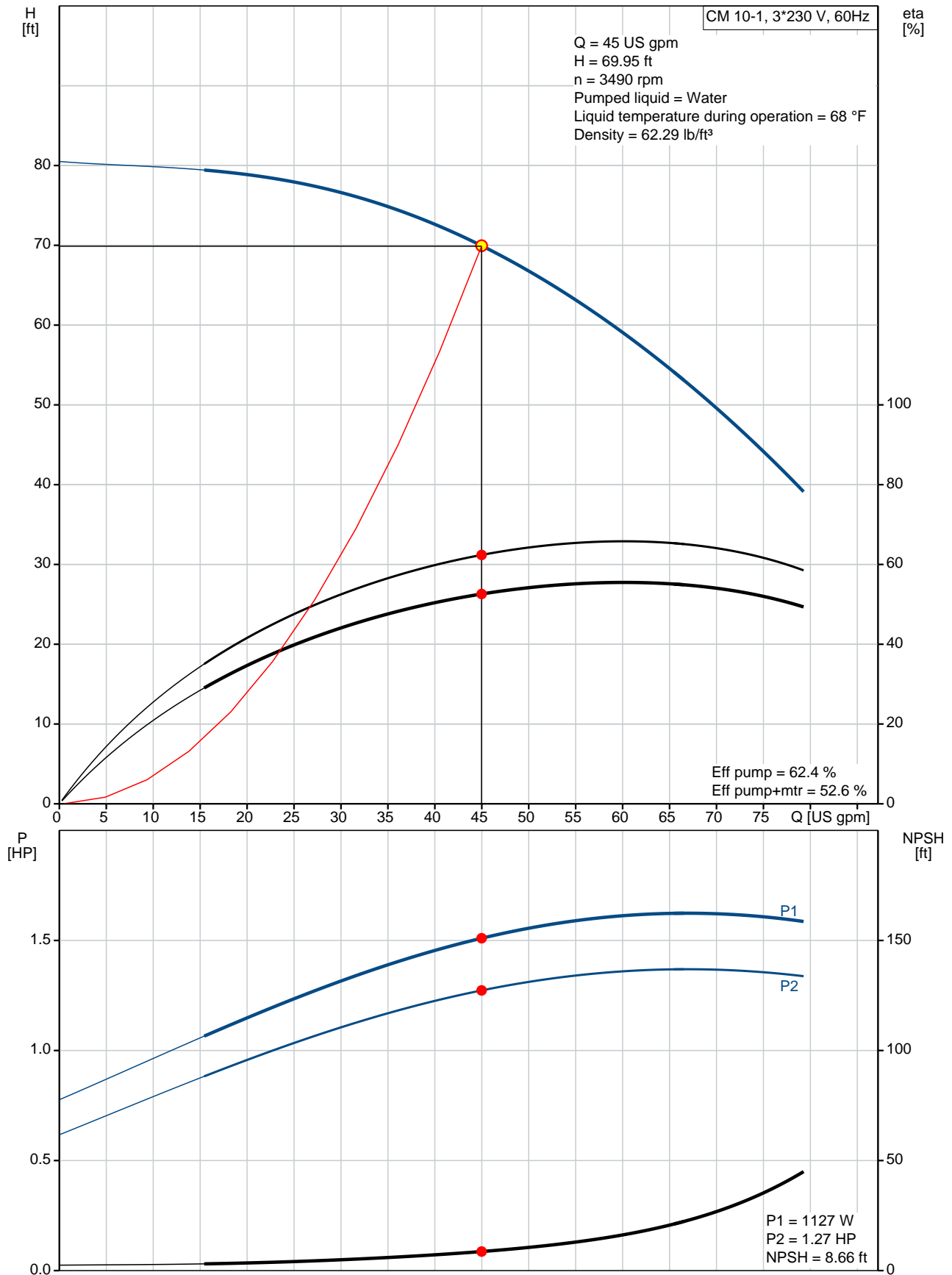
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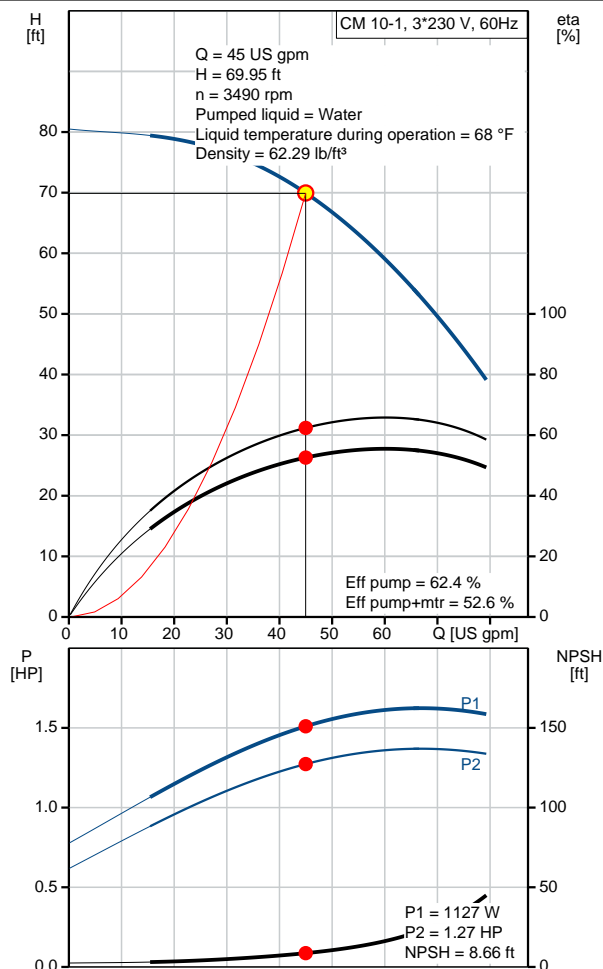
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Count	Description
	<p>Main frequency: 60 Hz Suitable for 50/60 Hz: N Phase: 3 Rated voltage: 208-230YY/440-480Y V Service factor: 1.00 Rated current: 5,1-4,9/2,48-2,46 A Rated speed: 3420-3460 rpm Enclosure class (IEC 34-5): IP55 Insulation class (IEC 85): F Built-in motor protection: NONE</p> <p><b>Others:</b> Terminal box position: 12 Minimum efficiency index, MEI <math>\eta_{\text{MEI}}</math>: 0.7 Net weight: 53.8 lb Gross weight: 59.3 lb Approvals: CE,CULUS,WRAS,ACS,TR,EAC Country of origin: US Custom tariff no.: 8413.70.2040</p>

## On request CM 10-1 A-S-A-V-AQQV E-A-A-N 60 Hz



Description	Value
<b>General information:</b>	
Product name:	CM 10-1 A-S-A-V-AQQV E-A-A-N
Product No.:	On request
EAN:	On request
	On request
<b>Technical:</b>	
Pump speed on which pump data are based:	3480 rpm
Actual calculated flow:	45 US gpm
Rated flow:	52.8 US gpm
Resulting head of the pump:	69.95 ft
Rated head:	64.6 ft
Impellers:	1
Code for shaft seal:	AQQV
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
<b>Materials:</b>	
Pump housing:	Cast iron
	EN-GJL-200
	ASTM A48-25A
Impeller:	Stainless steel
	EN 1.4301
	AISI 304
Material code:	A
Code for rubber:	V
<b>Installation:</b>	
Range of ambient temperature:	-4 .. 131 °F
Maximum operating pressure:	145.04 psi
Max pressure at stated temperature:	145 psi / 194 °F
	145 psi / 194 °F
Type of connection:	NPT(F)
Size of suction port:	1 1/2 inch
Size of outlet port:	1 1/2 inch
Outlet position:	12
Connect code:	S
<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
Frame size:	80B
IE efficiency class:	IE2 / NEMA Energy / NRC
Rated power - P2:	1.72 HP
Main frequency:	60 Hz
Suitable for 50/60 Hz:	N
Phase:	3
Rated voltage:	208-230YY/440-480Y V
Service factor:	1.00
Rated current:	5,1-4,9/2,48-2,46 A
Rated speed:	3420-3460 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	NONE
<b>Controls:</b>	
Frequency converter:	NONE





Company name:

Created by:

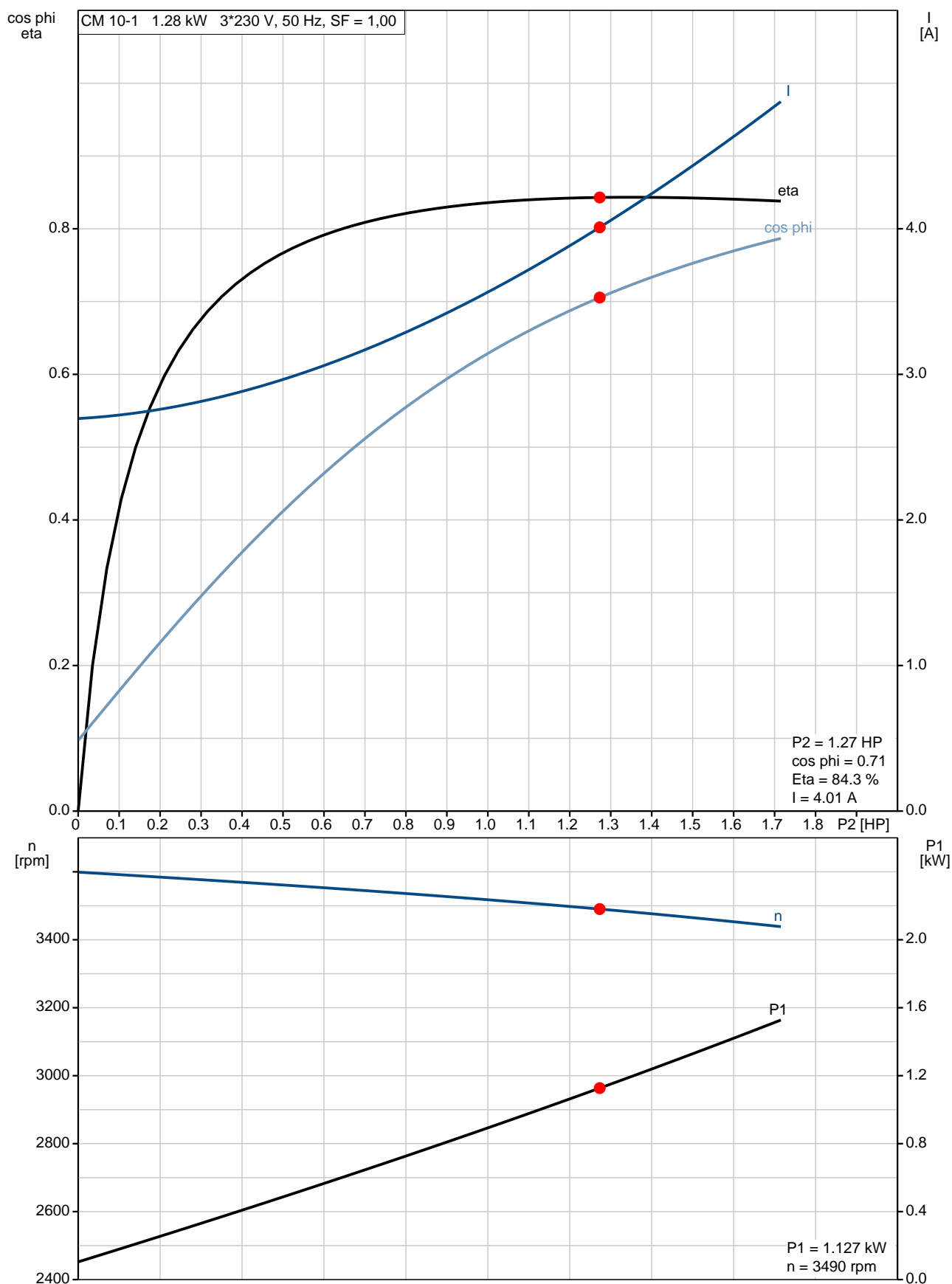
Phone:

Date:

4/6/2020

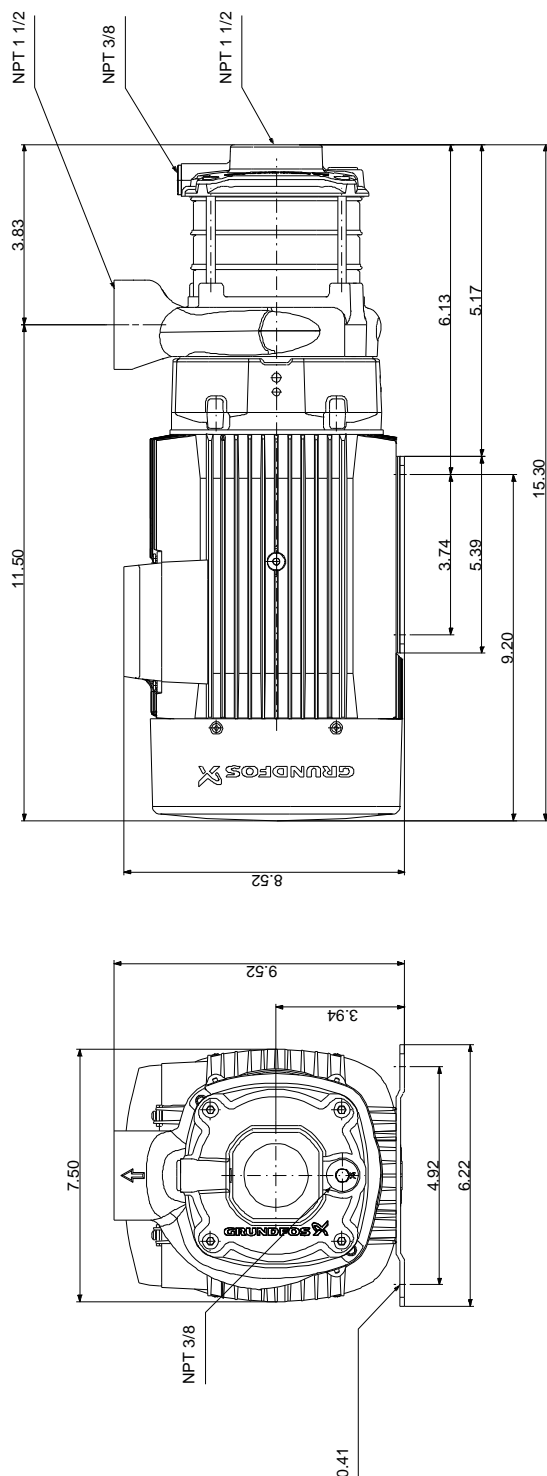
Description	Value
<b>Others:</b>	
Terminal box position:	12
Minimum efficiency index, MEI %:	0.7
Net weight:	53.8 lb
Gross weight:	59.3 lb
Approvals:	CE,CULUS,WRAS,ACS,TR ,EAC
Country of origin:	US
Custom tariff no.:	8413.70.2040

## On request CM 10-1 A-S-A-V-AQQV E-A-A-N 60 Hz





## On request CM 10-1 A-S-A-V-AQQV E-A-A-N 60 Hz



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

## On request CM 10-1 A-S-A-V-AQQV E-A-A-N 60 Hz

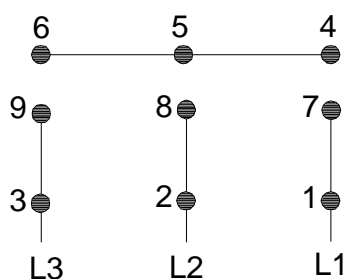


### WARNING

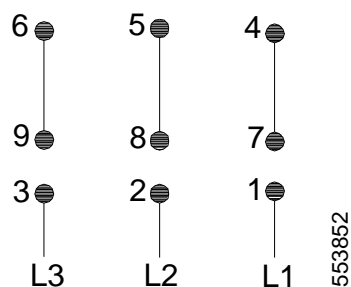
MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

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)

