

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

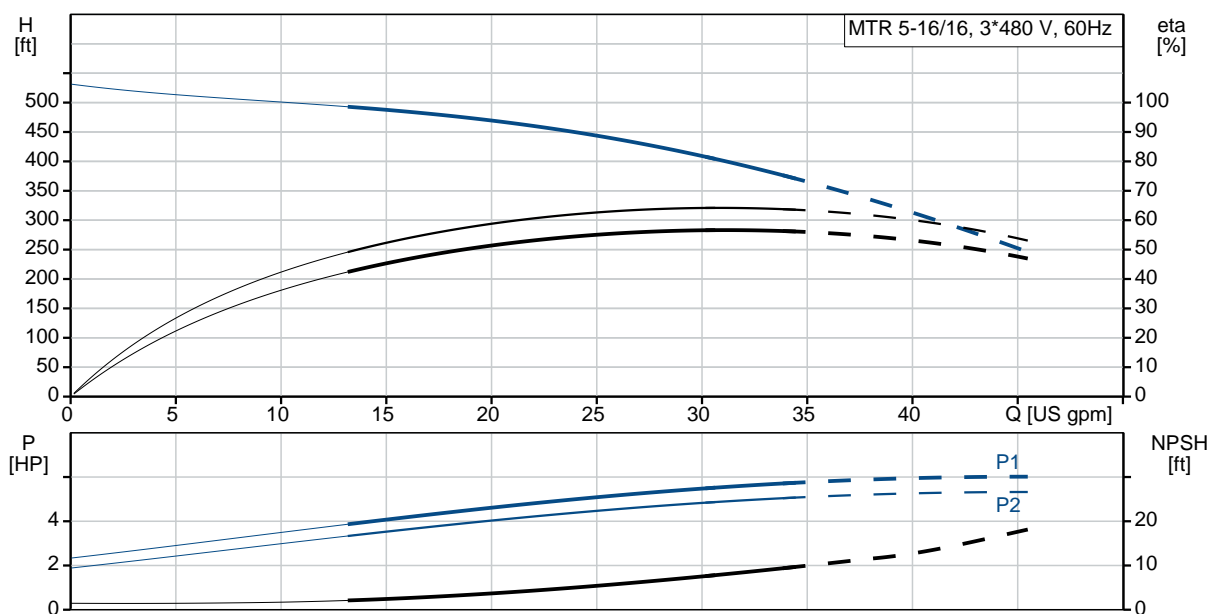
MTR 5-16/16 A-WB-A-HUUV

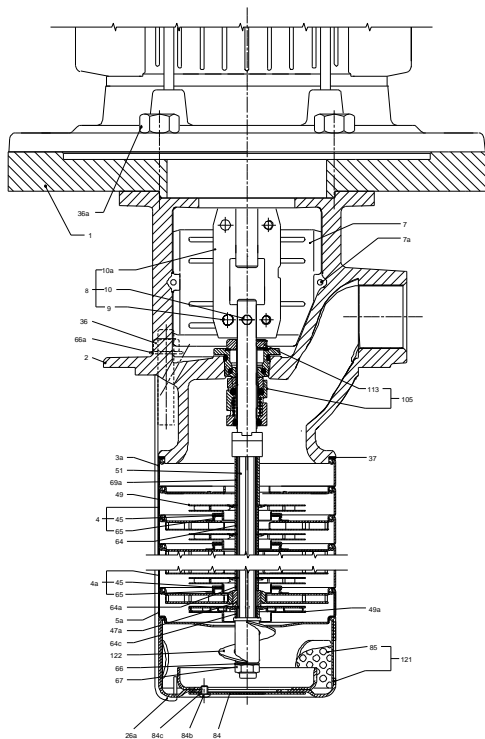
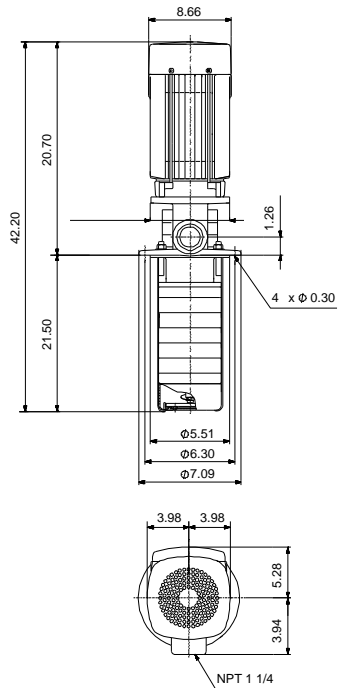
Coolant and condensate pumps



Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Efficiency: _____	Max pressure at stated temperature: 363 psi / 194 °F	Rated power - P2: 5 HP
Liquid: Water	Liquid temperature range: 14 .. 194 °F	Rated voltage: 208-230YY/460Y V
Temperature: 68 °F	Maximum ambient temperature: 140 °F	Main frequency: 60 Hz
NPSH required: ft	Shaft seal: HUUV	Enclosure class: 55 Dust/Jetting
Specific Gravity: 1.000	Product number: 96515440	Insulation class: F
		Motor protection: PTC
		Motor type: 112CA
		Eff. 1/1: 88.5 %






Materials:

Impeller: Stainless steel

Impeller: AISI 304

Impeller: EN 1.4301

Material code: A

Count	Description
1	<p>MTR 5-16/16 A-WB-A-HUUV</p>  <p>Product No.: 96515440</p> <p>Multistage, immersible, self-priming, centrifugal pump for vertical installation in tanks etc. The pump head and base are in cast iron – all other wetted parts are in stainless steel. The pump has the following characteristics:</p> <ul style="list-style-type: none"> • Dimensions according to DIN 5440. • Impellers, intermediate chambers and spline shaft are made of {IMPELLER_MATR}. • Mechanical shaft seal according to EN 12756. • Power transmission via sintered metal split coupling. <p>A cartridge shaft seal ensures high reliability, safe handling, and easy access and service. The pump is fitted with a 3-phase, fan-cooled asynchronous motor.</p> <p>Immesion depth: 21.5 in</p> <p>Controls: Frequency converter: NONE</p> <p>Liquid: Pumped liquid: Water Liquid temperature range: 14 .. 194 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³</p> <p>Technical: Rated pump speed: 3461 rpm Rated flow: 30.4 US gpm Rated head: 384.2 ft Chambers: 16 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B</p> <p>Materials: Pump head: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B</p>



Company name:

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9/28/2020

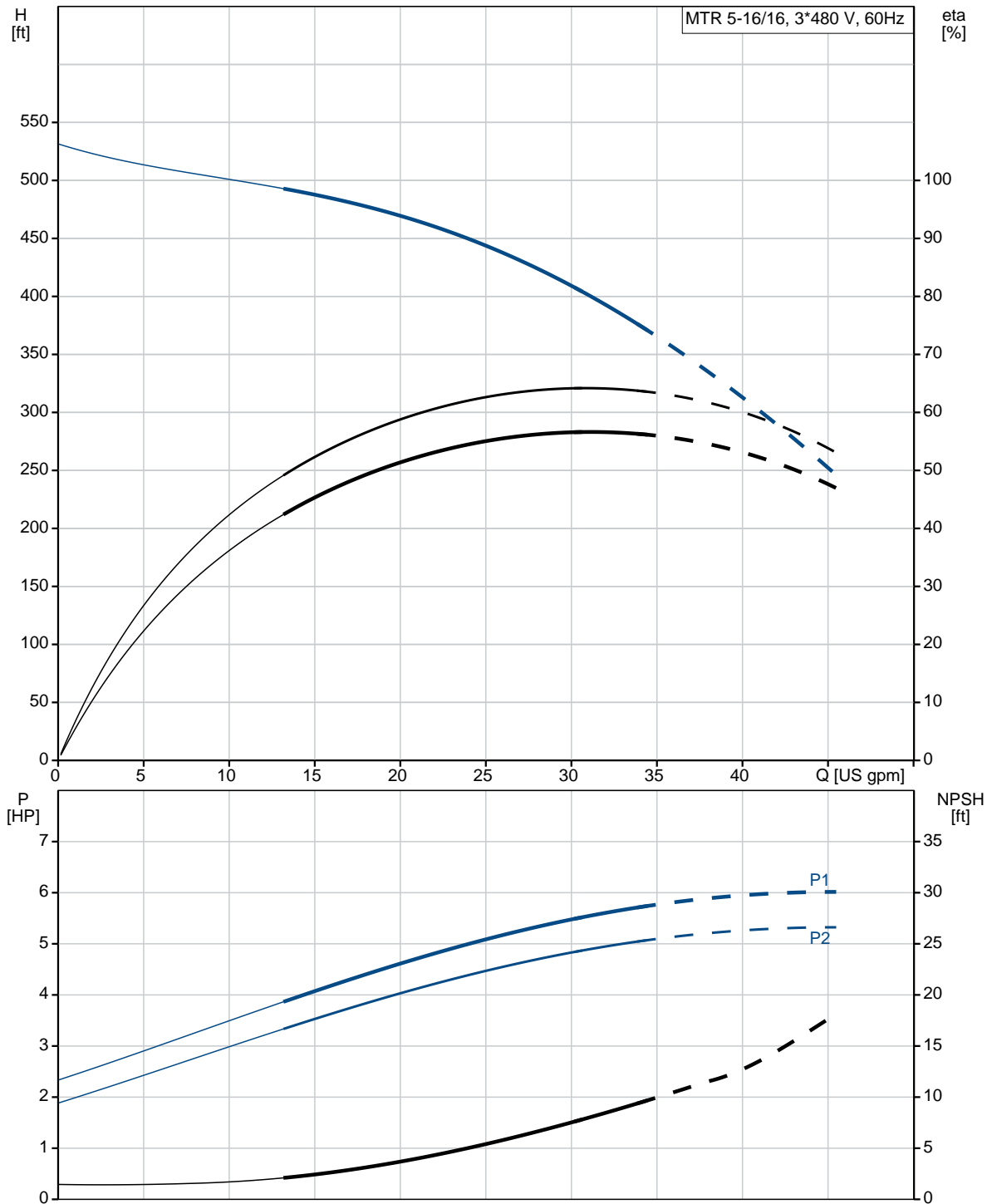
Count	Description
	Impeller: Stainless steel EN 1.4301 AISI 304
	Installation: Maximum ambient temperature: 140 °F Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / 194 °F Type of connection: NPT(F) Size of outlet port: 1 1/4 inch Immersion depth: 21.5 in Flange size for motor: 182TC
	Electrical data: Motor standard: NEMA Motor type: 112CA IE Efficiency class: NEMA Premium / IE3 60Hz Rated power - P2: 5 HP Main frequency: 60 Hz Suitable for 50/60 Hz: N 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: Terminal box position: 6 Minimum efficiency index, MEI $\eta_{\%}$: 0.57 Net weight: 116 lb Gross weight: 123 lb Shipping volume: 6 ft³ Country of origin: GB Custom tariff no.: 8413.70.2040



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96515440 MTR 5-16/16 A-WB-A-HUUV 60 Hz





Company name:

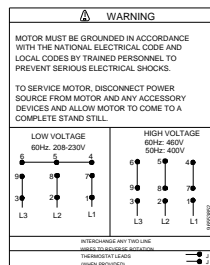
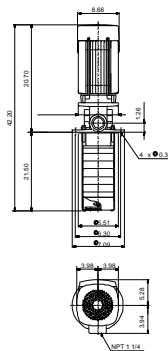
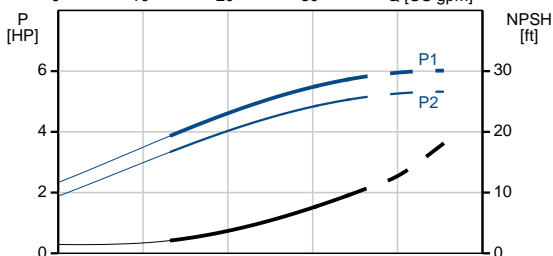
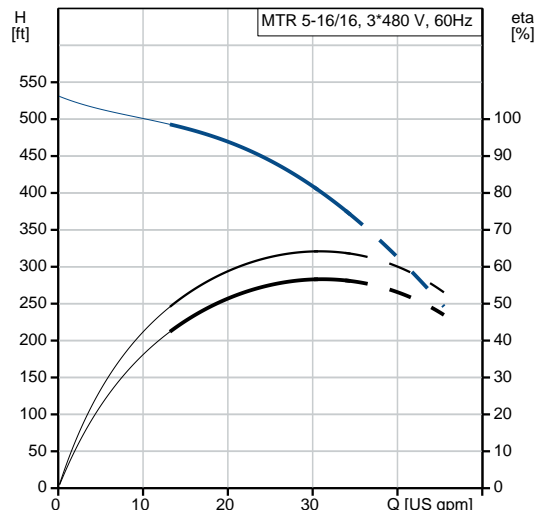
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Description	Value
General information:	
Product name:	MTR 5-16/16 A-WB-A-HUUV
Product No.:	96515440
EAN:	5700396722832
Price:	
Technical:	
Rated pump speed:	3461 rpm
Rated flow:	30.4 US gpm
Rated head:	384.2 ft
Chambers:	16
Impellers:	16
Number of reduced-diameter impellers:	0
Drainage back to tank:	N
Pump orientation:	Vertical
Code for shaft seal:	HUUV
Curve tolerance:	ISO9906:2012 3B
Pump version:	A
Model:	A
Materials:	
Pump head:	Cast iron
Pump head:	EN 1561 EN-GJL-200
Pump head:	ASTM A48-25B
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Material code:	A
Installation:	
Maximum ambient temperature:	140 °F
Maximum operating pressure:	362.59 psi
Max pressure at stated temperature:	363 psi / 194 °F
Type of connection:	NPT(F)
Size of outlet port:	1 1/4 inch
Immersion depth:	21.5 in
Flange size for motor:	182TC
Connect code:	WB
Liquid:	
Pumped liquid:	Water
Liquid temperature range:	14 .. 194 °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





Company name:

Created by:

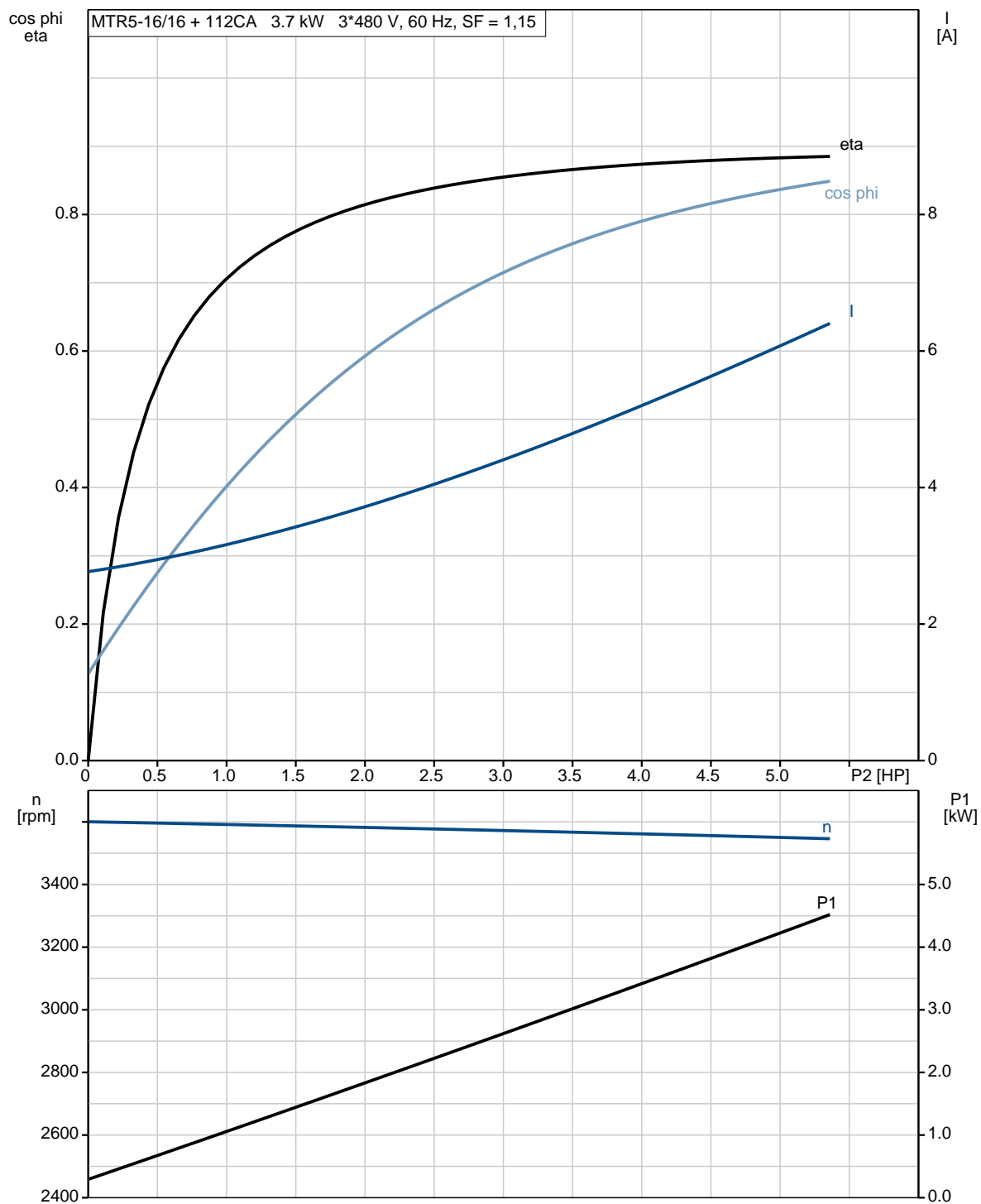
Phone:

Date:

9/28/2020

Description	Value
Main frequency:	60 Hz
Suitable for 50/60 Hz:	N
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 protection:	PTC
Motor Number:	85904389
Controls:	
Frequency converter:	NONE
Others:	
Terminal box position:	6
Minimum efficiency index, MEI â‰¥%:	0.57
Net weight:	116 lb
Gross weight:	123 lb
Shipping volume:	6 ft³
Sales region:	Namreg
Country of origin:	GB
Custom tariff no.:	8413.70.2040

96515440 MTR 5-16/16 A-WB-A-HUUV 60 Hz

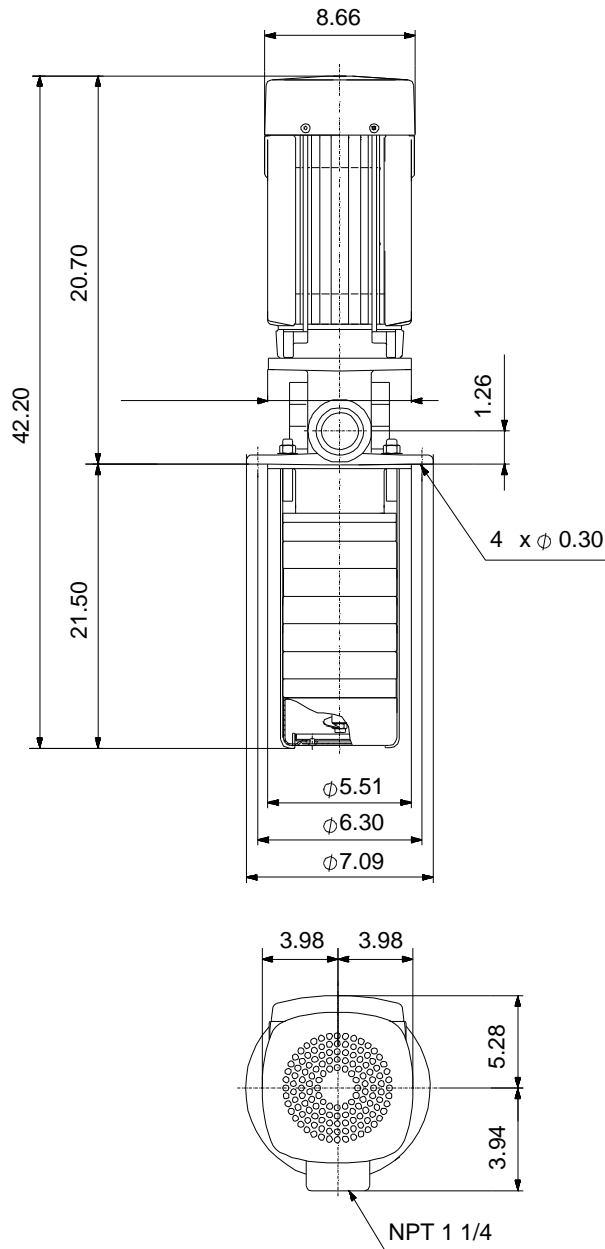




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96515440 MTR 5-16/16 A-WB-A-HUUV 60 Hz



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



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96515440 MTR 5-16/16 A-WB-A-HUUV 60 Hz

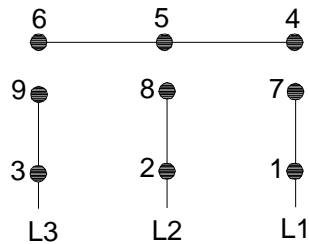


WARNING

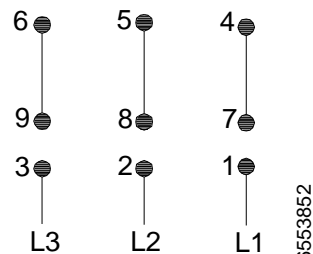
MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

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)



All units are [in] unless otherwise presented.