

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

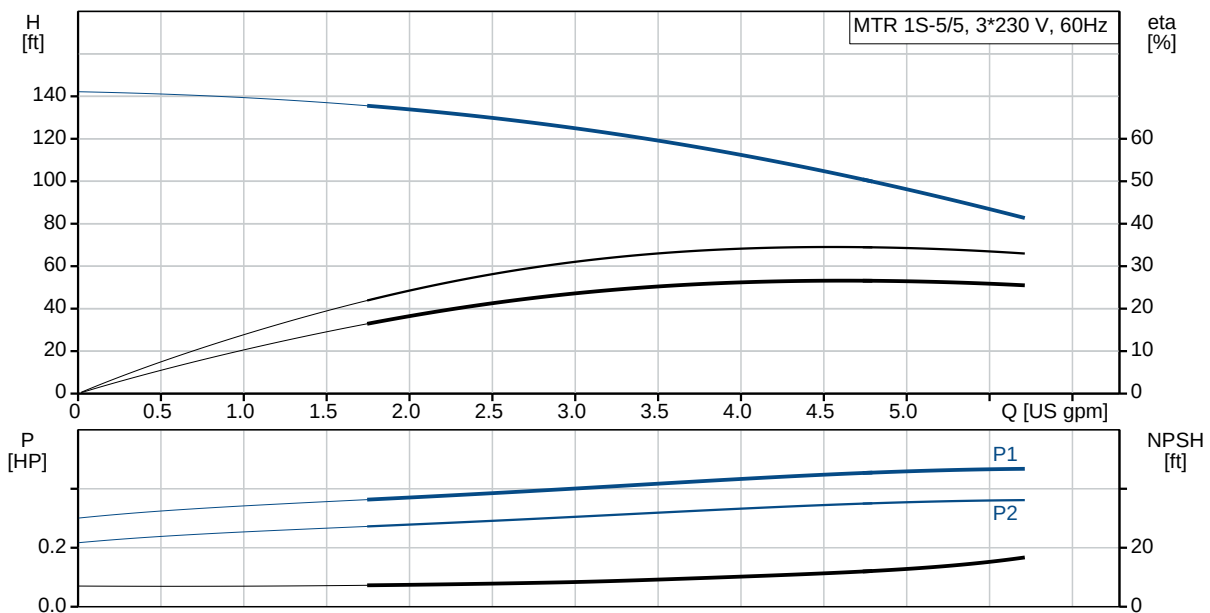
MTR 1S-5/5 A-WB-A-HUUV

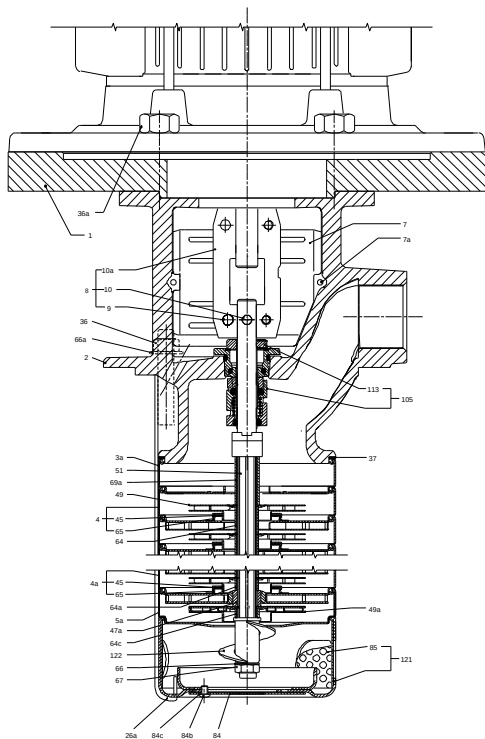
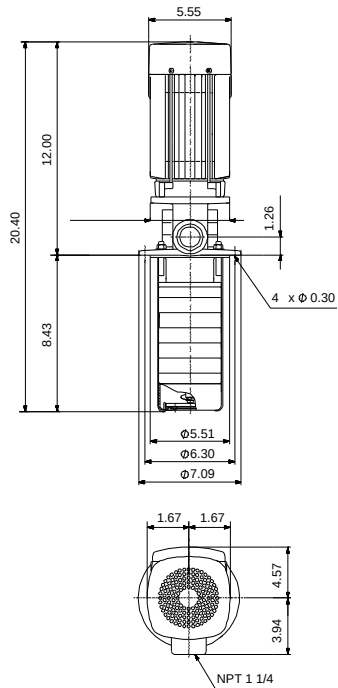
Coolant and condensate pumps



Product photo could vary from the actual product

Conditions of Service	Pump Data	Motor Data
Flow: _____	Max pressure at stated temperature: 363 psi / 194 °F	Rated power - P2: 0.5 HP
Head: _____	Liquid temperature range: 14 .. 194 °F	Rated voltage: 208-230YY/460Y V
Efficiency: _____	Maximum ambient temperature: 104 °F	Main frequency: 60 Hz
Liquid: Water	Shaft seal: HUUV	Enclosure class: 55 Dust/Jetting
Temperature: 68 °F	Product number: 96515346	Insulation class: F
NPSH required: ft		Motor protection: NONE
Viscosity: _____		Motor type: 71AB
Specific Gravity: 1.000		Motor_efficiency: 78.9 %





Materials:

Impeller: Stainless steel
AISI 304
EN 1.4301

Material code: A

Count	Description
1	MTR 1S-5/5 A-WB-A-HUUV  Product No.: 96515346 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: • Dimensions according to DIN 5440. • Impellers, intermediate chambers and spline shaft are made of Stainless steel. • Mechanical shaft seal according to EN 12756. • Power transmission via sintered metal split coupling. 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. Immersion depth: 8.43 in Controls: Frequency converter: NONE Liquid: Pumped liquid: Water Liquid temperature range: 14 .. 194 °F Selected liquid temperature: 68 °F Density: 62.29 lb/ft³ Technical: Rated pump speed: 3485 rpm Rated flow: 4.84 US gpm Rated head: 93.84 ft Chambers: 5 Drainage back to tank: N Pump orientation: Vertical Code for shaft seal: HUUV Curve tolerance: ISO9906:2012 3B Materials: Pump head: Cast iron EN 1561 EN-GJL-200 ASTM A48-25B



Company name:

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8/25/2020

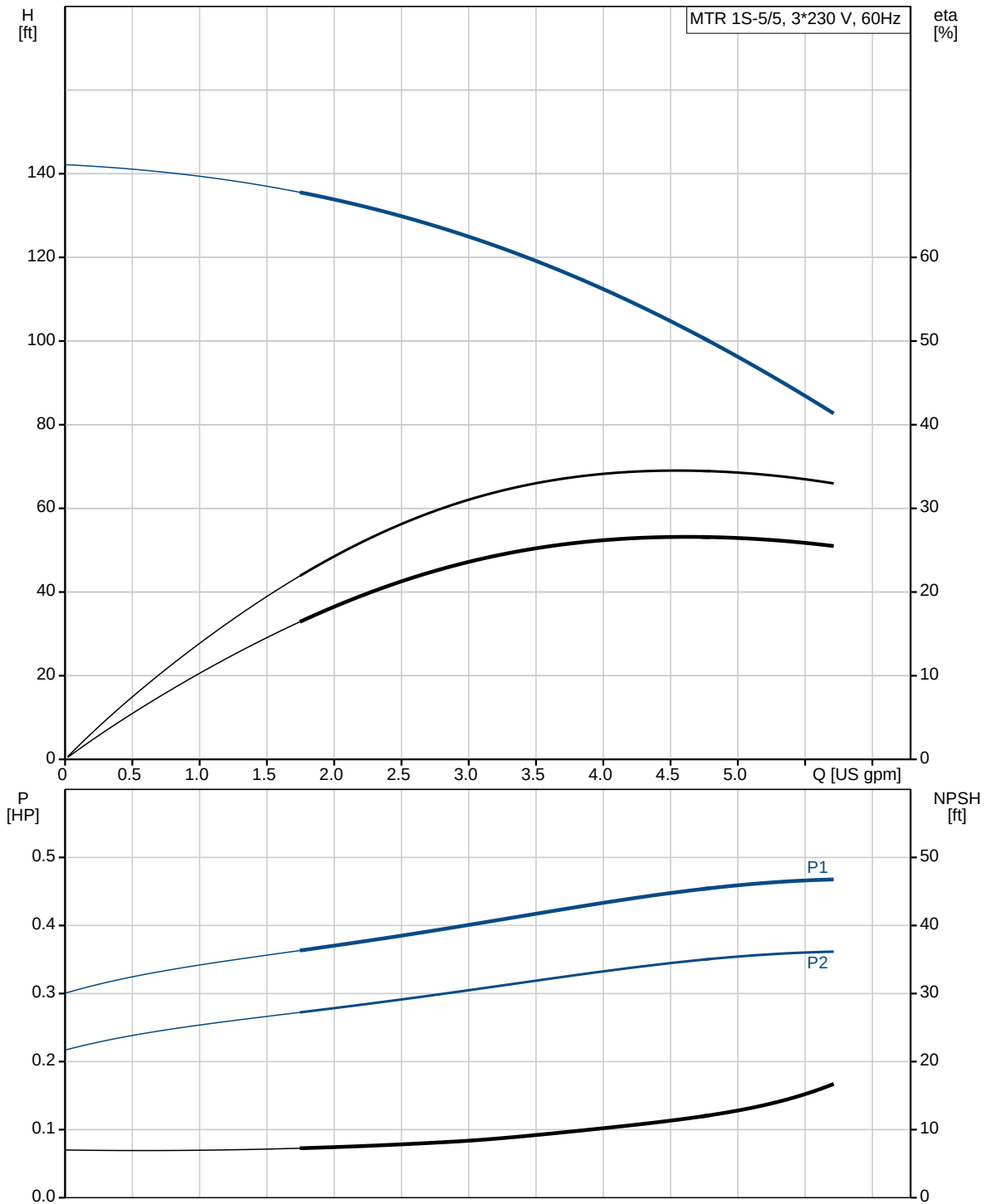
Count	Description
	Impeller: Stainless steel EN 1.4301 AISI 304 Installation: Maximum ambient temperature: 104 °F Maximum operating pressure: 362.59 psi Max pressure at stated temperature: 363 psi / 194 °F Type of connection: NPT(F) Size of outlet port: 1 1/4 inch Immersion depth: 8.43 in Flange size for motor: 56C Electrical data: Motor standard: NEMA Motor type: 71AB IE Efficiency class: NEMA Premium / IE3 60Hz Rated power - P2: 0.5 HP Main frequency: 60 Hz Suitable for 50/60 Hz: N Rated voltage: 3 x 208-230YY/460Y V Service factor: 1.25 Rated current: 1,64-1,55/0,78 A Starting current: 590-650 % Cos phi - power factor: 0.84-0.78 Rated speed: 3430-3460 rpm IE efficiency: IE3 78,9% Motor efficiency at full load: 78.9 % Motor efficiency at 3/4 load: 79.2 % Motor efficiency at 1/2 load: 76.3 % Number of poles: 2 Enclosure class (IEC 34-5): 55 Dust/Jetting Insulation class (IEC 85): F Motor Number: 85900701 Others: Terminal box position: 6 Minimum efficiency index, MEI $\eta_{\%}$: 0.67 Net weight: 32 lb Gross weight: 39.1 lb Shipping volume: 4.24 ft³ Country of origin: GB Custom tariff no.: 8413.70.2040



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96515346 MTR 1S-5/5 A-WB-A-HUUV 60 Hz





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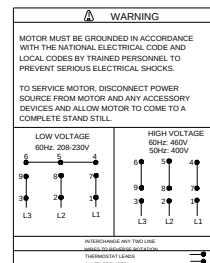
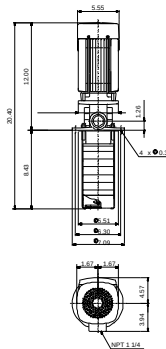
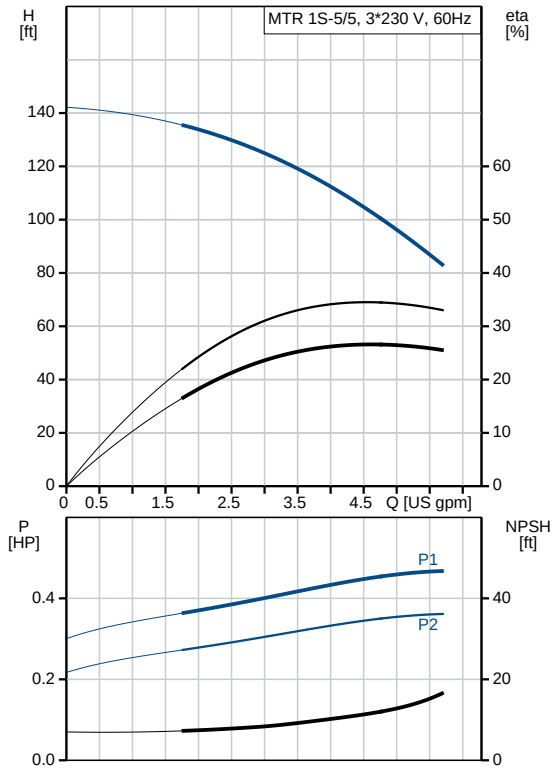
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Description	Value
General information:	
Product name:	MTR 1S-5/5 A-WB-A-HUUV
Product No.:	96515346
EAN:	5700396720777 5700396720777
Technical:	
Rated pump speed:	3485 rpm
Rated flow:	4.84 US gpm
Rated head:	93.84 ft
Chambers:	5
Impellers:	5
Number 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 EN 1561 EN-GJL-200 ASTM A48-25B
Impeller:	Stainless steel EN 1.4301 AISI 304
Material code:	A
Installation:	
Maximum ambient temperature:	104 °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:	8.43 in
Flange size for motor:	56C
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:	71AB
IE Efficiency class:	NEMA Premium / IE3 60Hz
Rated power - P2:	0.5 HP





Company name:

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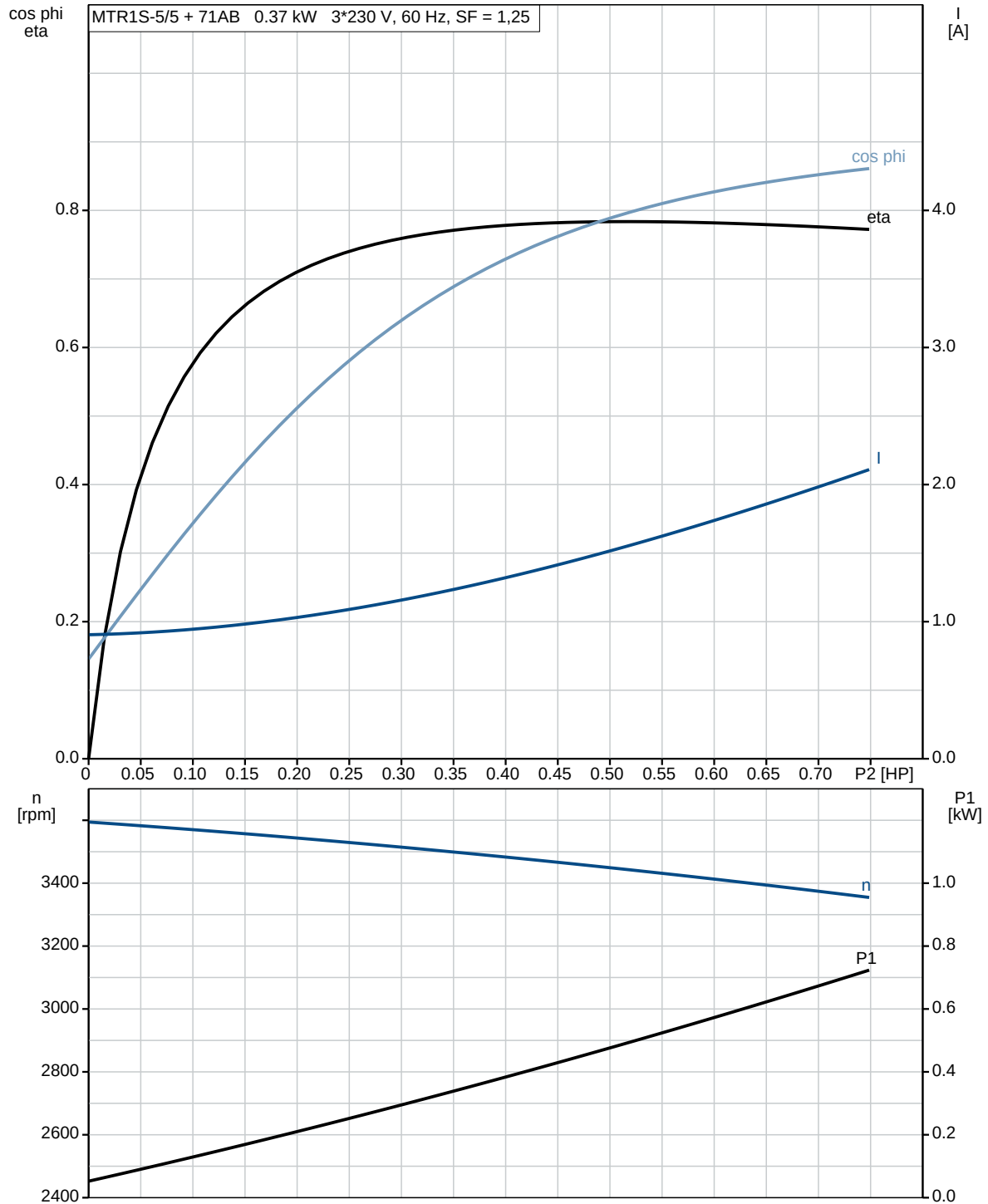
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Date:

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Description	Value
Main frequency:	60 Hz
Suitable for 50/60 Hz:	N
Rated voltage:	3 x 208-230YY/460Y V
Service factor:	1.25
Rated current:	1,64-1,55/0,78 A
Starting current:	590-650 %
Cos phi - power factor:	0.84-0.78
Rated speed:	3430-3460 rpm
IE efficiency:	IE3 78,9%
Motor efficiency at full load:	78.9 %
Motor efficiency at 3/4 load:	79.2 %
Motor efficiency at 1/2 load:	76.3 %
Number of poles:	2
Enclosure class (IEC 34-5):	55 Dust/Jetting
Insulation class (IEC 85):	F
Motor protection:	NONE
Motor Number:	85900701
Controls:	
Frequency converter:	NONE
Others:	
Terminal box position:	6
Minimum efficiency index, MEI â‰‰‰:	0.67
Net weight:	32 lb
Gross weight:	39.1 lb
Shipping volume:	4.24 ft³
Sales region:	Namreg
Country of origin:	GB
Custom tariff no.:	8413.70.2040

96515346 MTR 1S-5/5 A-WB-A-HUUV 60 Hz

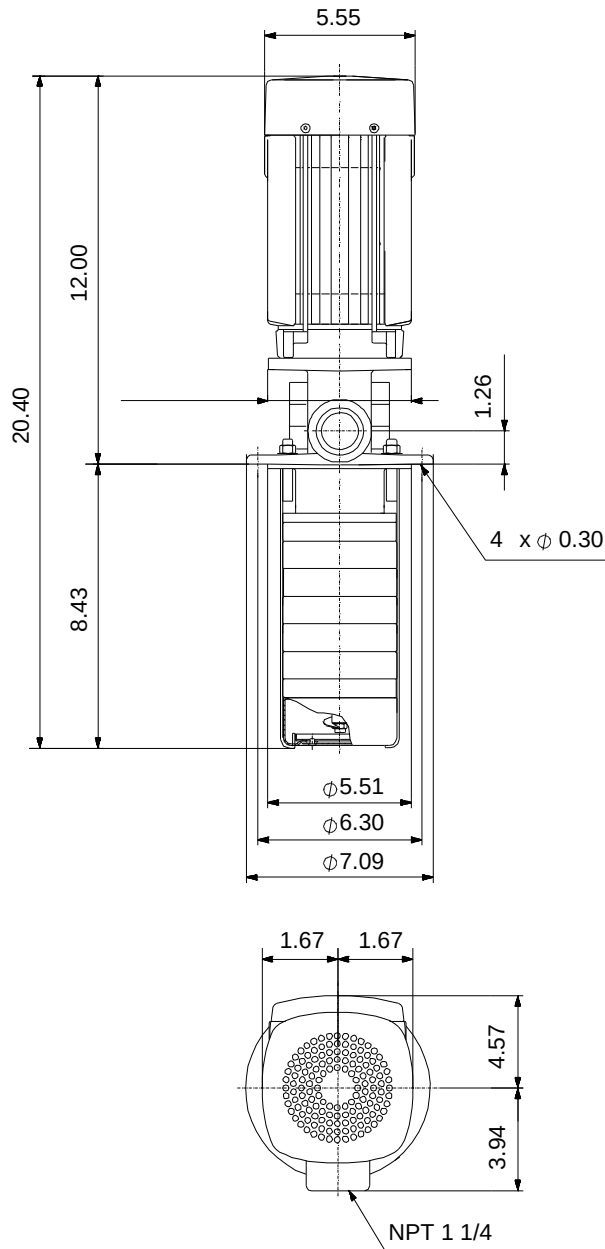




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96515346 MTR 1S-5/5 A-WB-A-HUUV 60 Hz



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



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96515346 MTR 1S-5/5 A-WB-A-HUUV 60 Hz

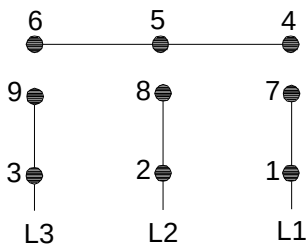


WARNING

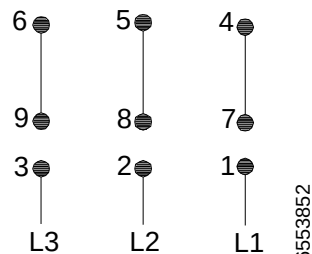
MOTOR MUST BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL CODES BY TRAINED PERSONNEL TO PREVENT SERIOUS ELECTRICAL SHOCKS.

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



INTERCHANGE ANY TWO LINE
WIRES TO REVERSE ROTATION
THERMOSTAT LEADS
(WHEN PROVIDED)



All units are [in] unless otherwise presented.