Larson Electronics LLC
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MT-DOE16-3P-480D-2000KVA-415Y.240-N3R

2000 kVA Distribution Transformer - 480V Delta Primary - 415Y/240 Wye-N Secondary - NEMA 3R - 60Hz

Product ID: 285349



Image: MT-DOE16-3P-480D-2000KVA-415Y.240-N3R

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MT-DOE16-3P-480D-2000KVA-415Y.240-N3R Distribution Transformer
Transformer Type: Distribution
Phase: Three Phase
Frequency: 60 Hz
Vector Group: DY11
kVA: 2000
Primary Voltage: 480 V Delta
Taps: -
Secondary Voltage: 415Y/240 V Wye-N
Winding Material: Aluminum
Efficiency: DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
Insulation: 220°C
Temperature Rise: 150°C
Impedance (Std): 2.5 - 6.5%
Seismic: Yes
Sound Level: Meets NEMA ST-20 Standards
Primary Termination: Front Accessible Terminals
Secondary Termination: Front Accessible Terminals
Enclosure Material: NEMA Type 3R Heavy Duty Ventilated
Finish: ANSI 61 Grey
Dimensions: 100.4"W x 63.7"D x 94.5"H
Weight: 13,448 Lbs
Mounting: Floor Mount

Ratings
NRTL Listed for United States and Canada
ANN Cooling
IP14 Rated
Distribution Transformer

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-765-7664
E-mail: sales@larsonelectronics.com

The MT-DOE16-3P-480D-2000KVA-415Y.240-N3R 240 V Delta DY11 3 Phase Energy Efficient Distribution Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-DOE16-3P-480D-2000KVA-415Y.240-N3R provides increased reliablity and protection against critical equipment failures. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Features: With a transformer rating of 2000 kVA, the MT-DOE16-3P-480D-2000KVA-415Y.240-N3R distribution transformer is a three phase unit with a primary voltage of 480 V Delta. It also provides a secondary voltage of 415Y/240 V Wye-N. Featuring robust construction, this unit`s cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The Standard NEMA Type 3R enclosure makes the unit suitable for both indoor and outdoor applications and it can be floor mounted. The unit also features 220°C insulation with a 150°C temperature rise and is rated IP14.

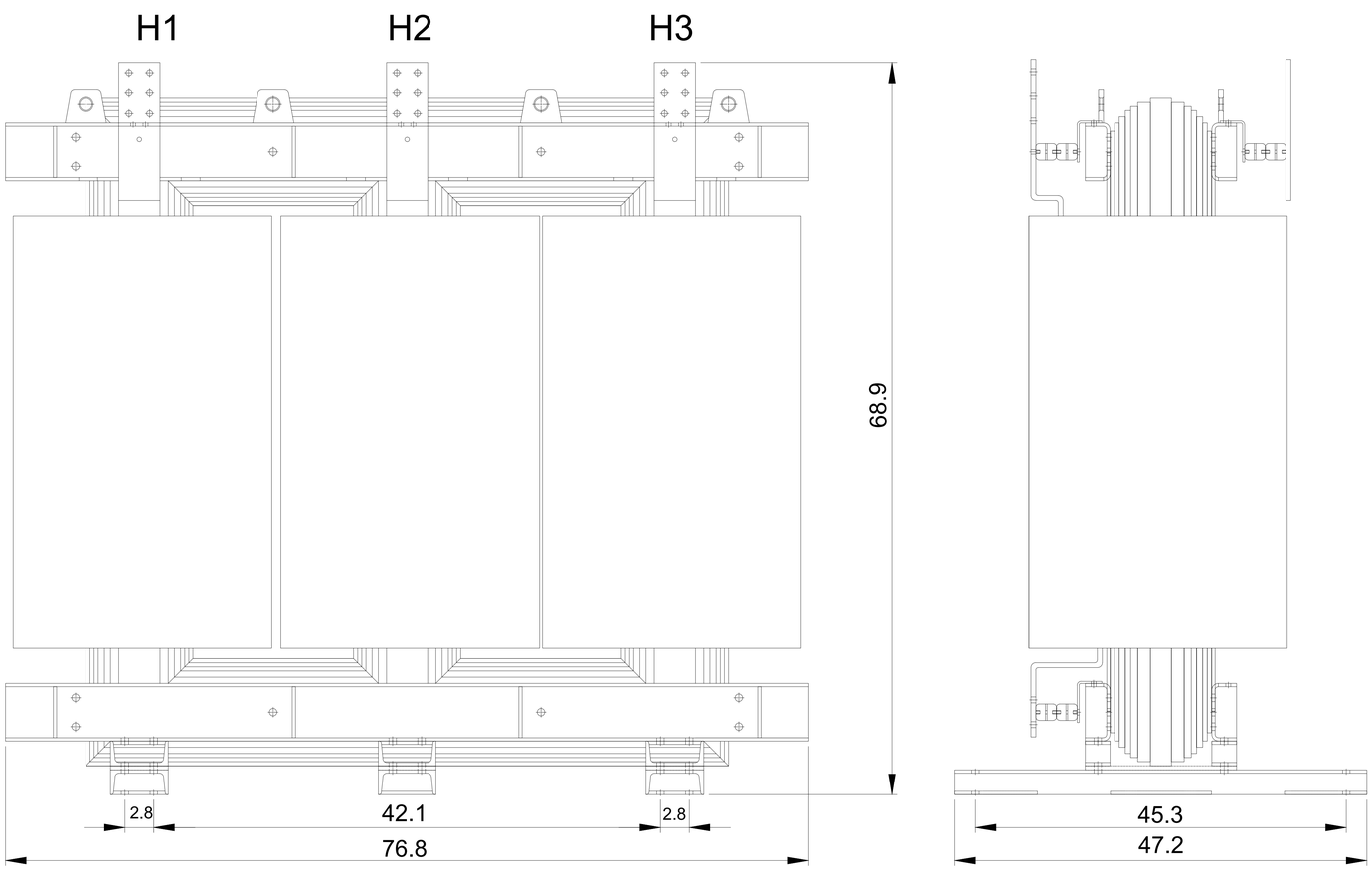
Benefits: The MT-DOE16-3P-480D-2000KVA-415Y.240-N3R distribution transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

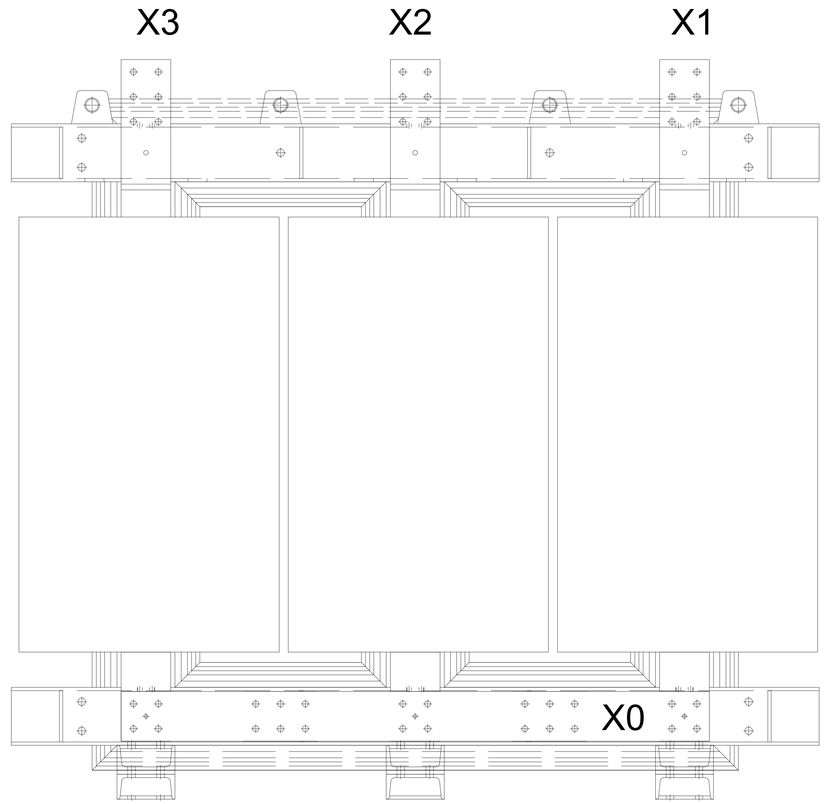
This distribution transformer provides owners with significant energy savings as well as offering environmental benefits. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated mounting brackets make installation fast and easy and the offset outward facing installation holes allow for easy power tool access.

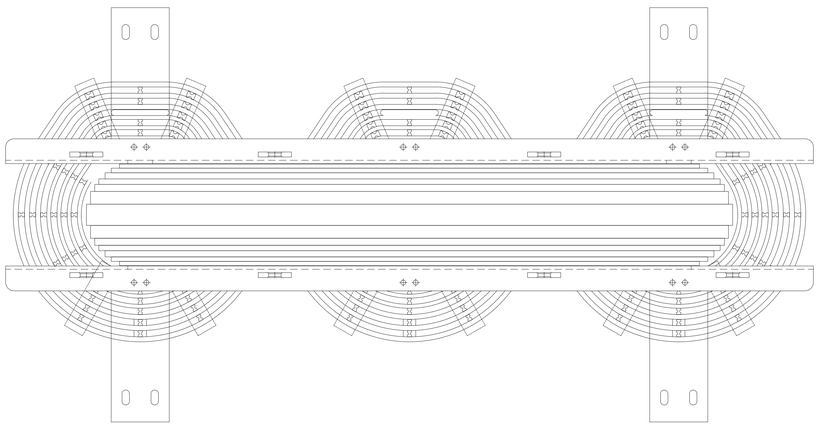
Safety: The MT-DOE16-3P-480D-2000KVA-415Y.240-N3R is a distribution transformer which means that it provides operators with an increased level of protection against electric shock. A distribution transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-DOE16-3P-480D-2000KVA-415Y.240-N3R achieves these safety features by separating or "isolating" the powered device from the power source and insulation between the primary and secondary power sources.

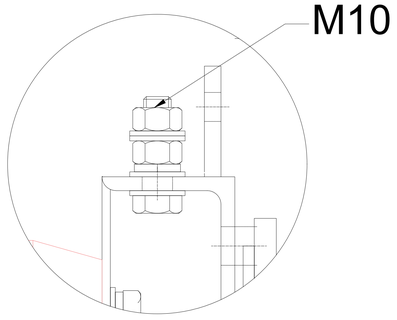
Applications: General purposes.

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.





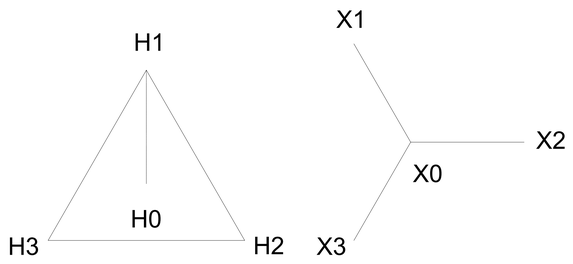


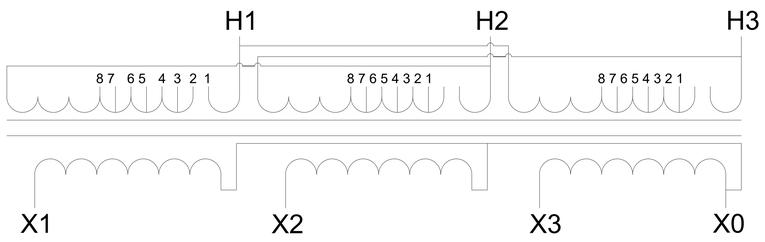


Grounding bolt

Phase	3	Frequency	60Hz
Capacity	2000KVA		
Input	480V		
Output	415Y/240V		
Vector	Dy11		
Weight	13,448Lbs		

H1 - H2 - H3 480V



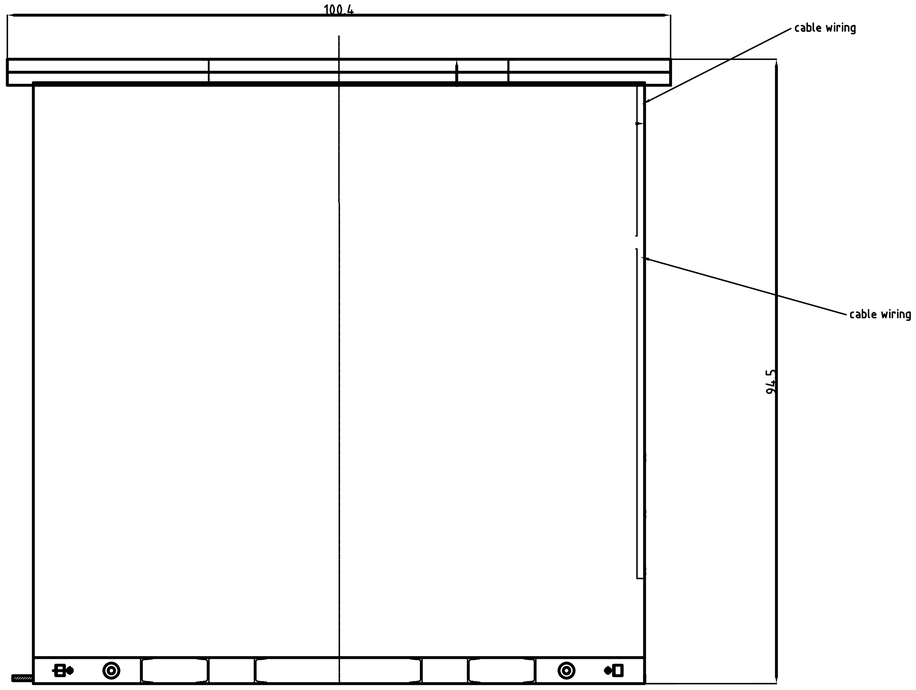


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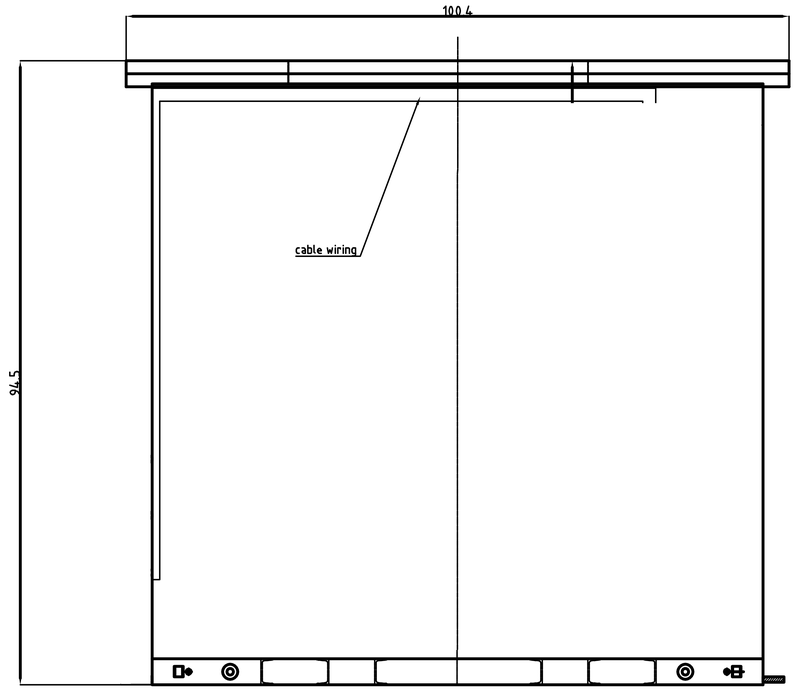
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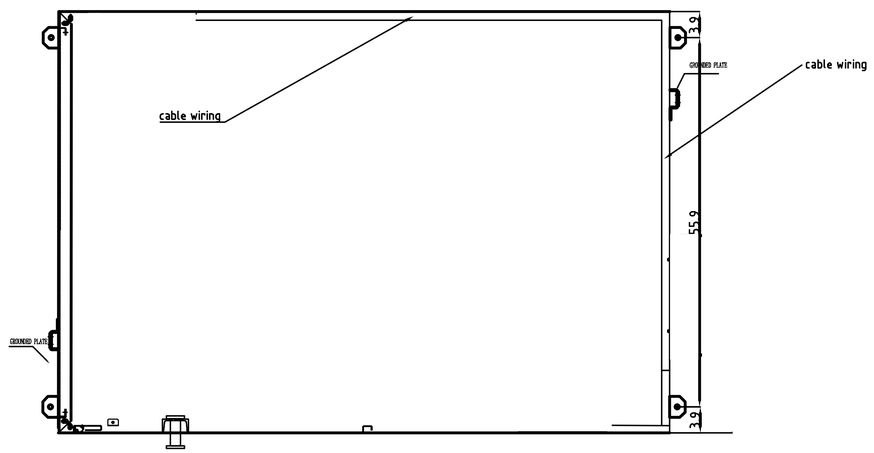
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LV COMPARTMENT FRONT VIEW



HV COMPARTMENT FRONT VIEW



BOTTOM VIEW

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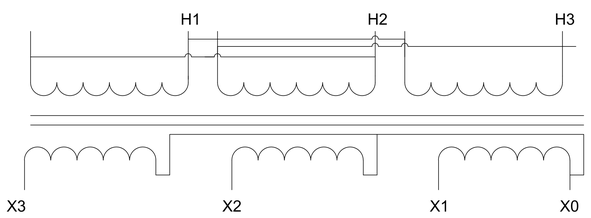
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THREE PHASE DRY TYPE TRANSFORMER
MT-DOE16-3P-480D-2000KVA-415Y.240-N3R

PRIMARY	
VOLTAGE (V)	CURRENT (A)
480	2405.7
SECONDARY	
VOLTAGE (V)	CURRENT (A)
415	2782.5
240	4811.4

RATED CAPACITY	2000 KVA	STANDARD	DOE2016
Input	480V	PRODUCT CODE	285349
Output	415Y/240V	SERIAL NO.	
IMPEDANCE	2.5 - 6.5 %		
USE CONDITION	OUTDOOR	TEMPERATURE RISE	150 °C
PHASE	3 PHASE	INSULATION CLASS	220 °C
VECTOR GROUP	Dyn11		
RATED FREQUENCY	60 Hz	TOTAL WEIGHT	13448 lbs
COOLING TYPE	ANN	MANUFACTURE DATE	2026.05

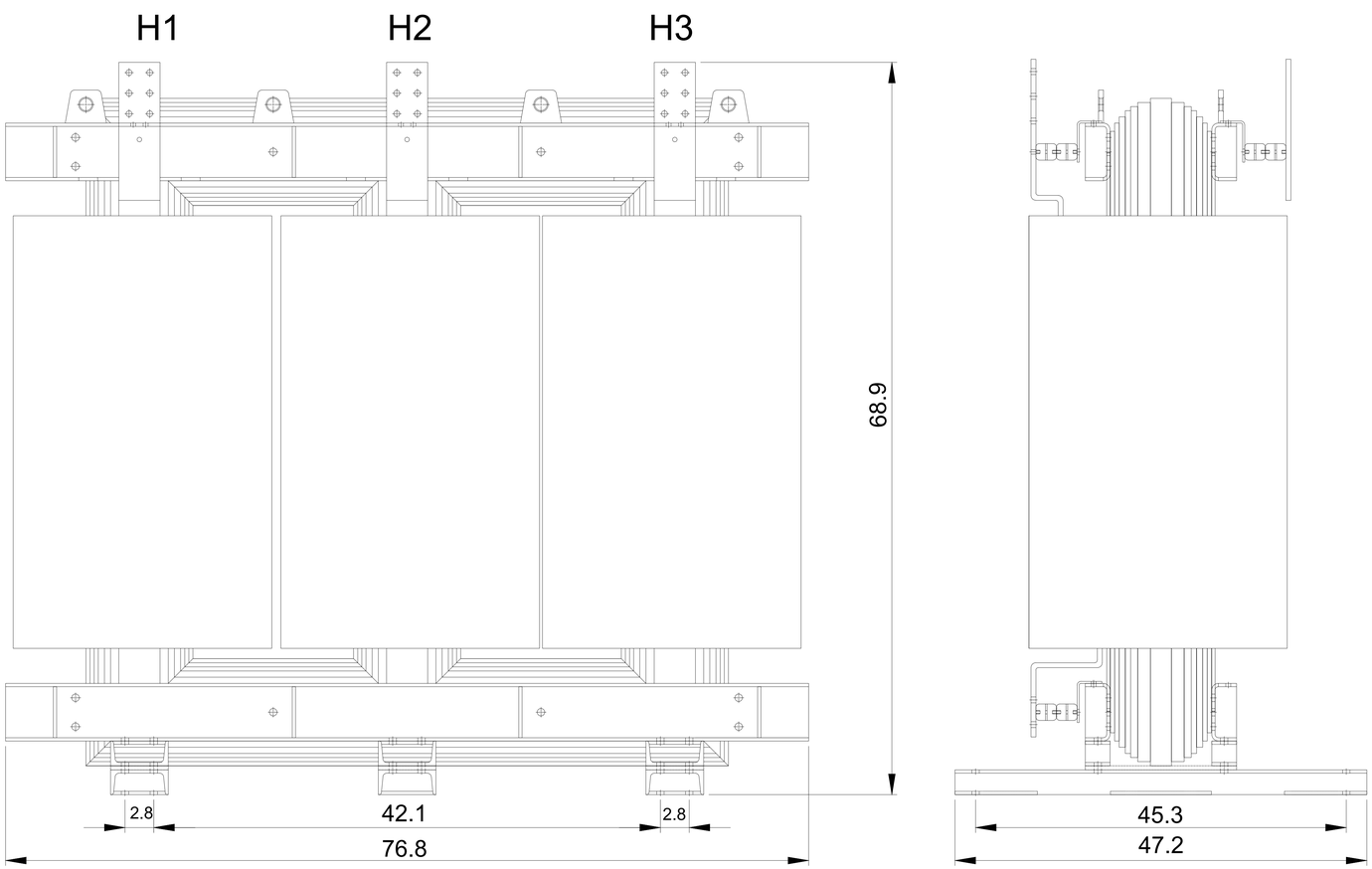
WIRE CONNECTION

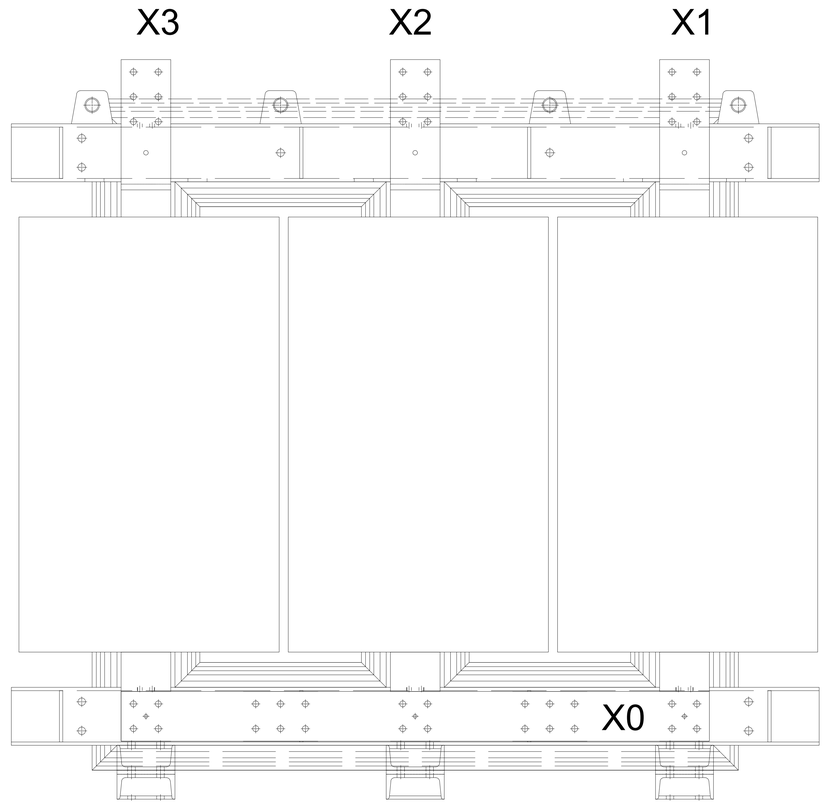


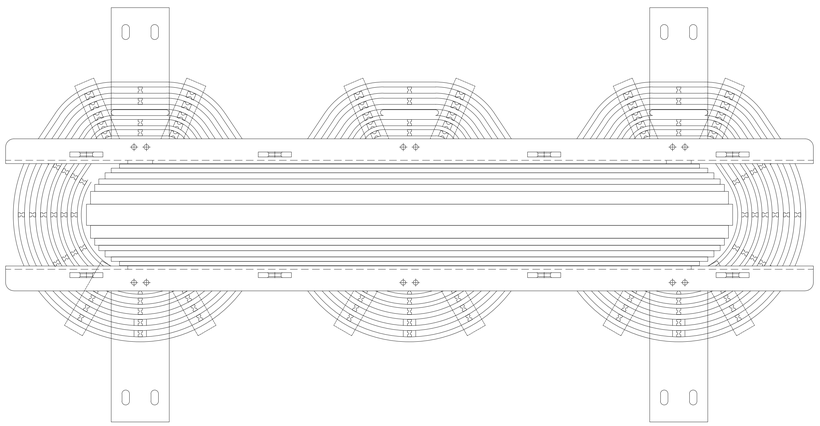
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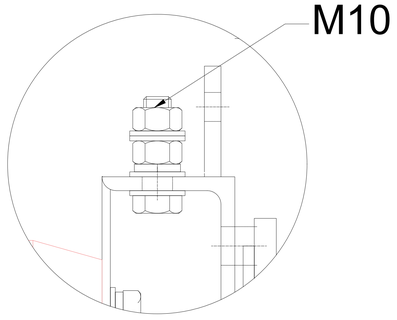
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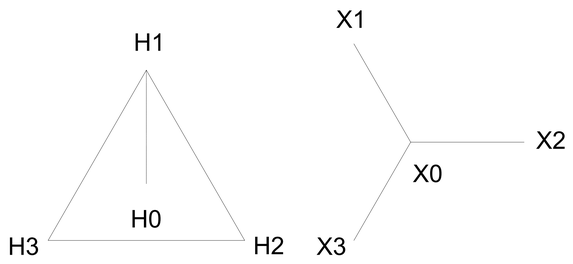


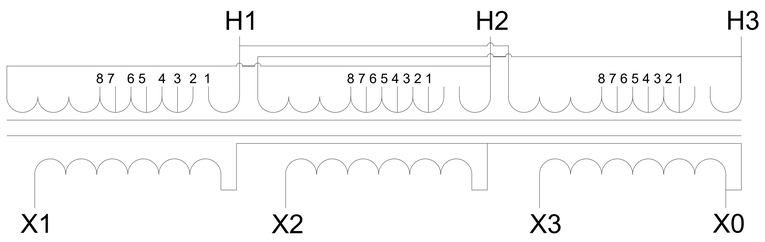


Grounding bolt

Phase	3	Frequency	60Hz
Capacity	2000KVA		
Input	480V		
Output	415Y/240V		
Vector	Dy11		
Weight	13,448Lbs		

H1 - H2 - H3 480V



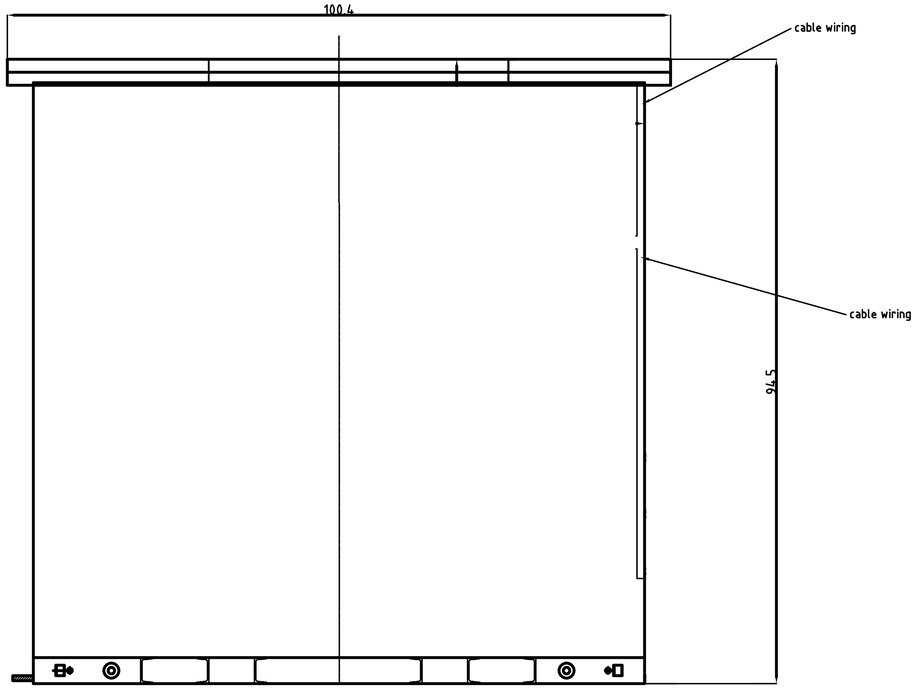


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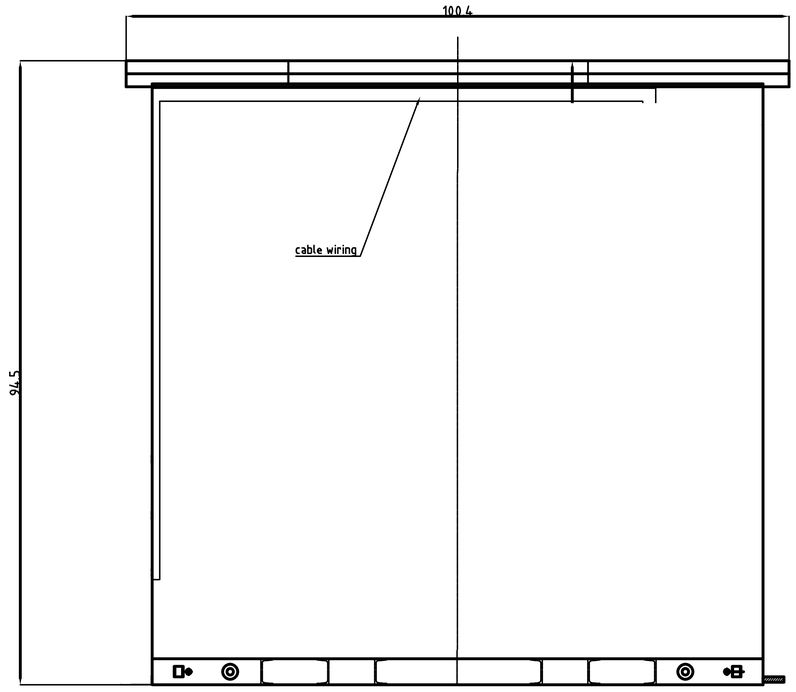
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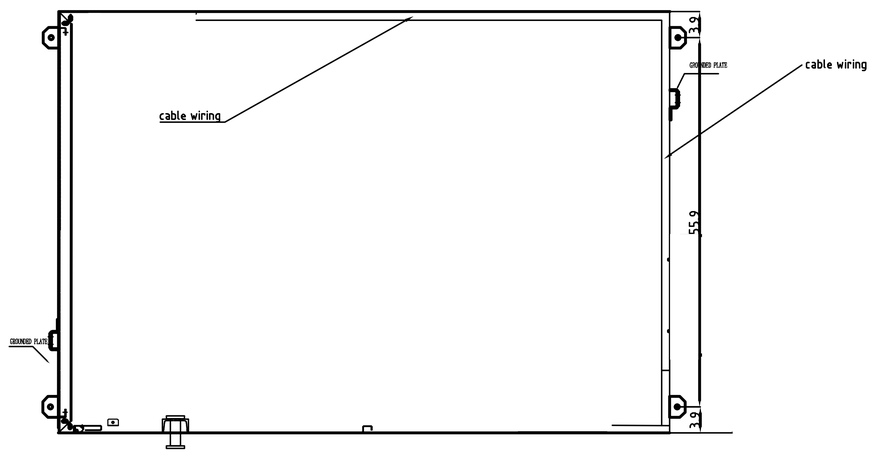
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LV COMPARTMENT FRONT VIEW



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BOTTOM VIEW

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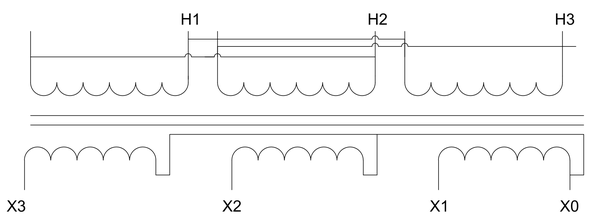
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MT-DOE16-3P-480D-2000KVA-415Y.240-N3R

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USE CONDITION	OUTDOOR	TEMPERATURE RISE	150 °C
PHASE	3 PHASE	INSULATION CLASS	220 °C
VECTOR GROUP	Dyn11		
RATED FREQUENCY	60 Hz	TOTAL WEIGHT	13448 lbs
COOLING TYPE	ANN	MANUFACTURE DATE	2026.05

WIRE CONNECTION



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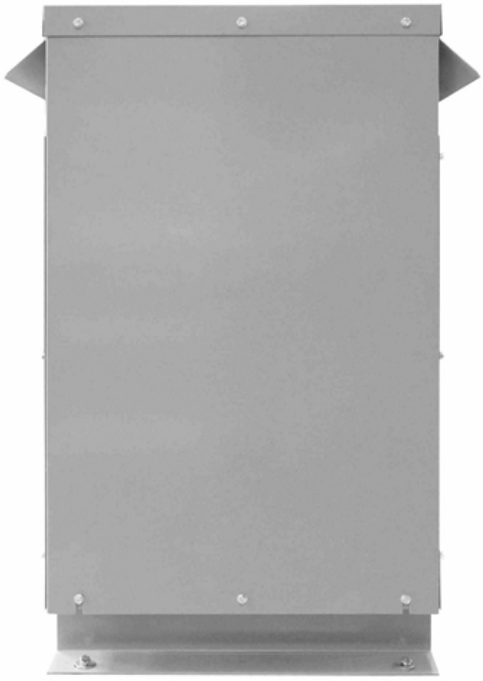
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Frequently Asked Questions (FAQ)

There are no Faqs