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RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R

RENTAL 15 kVA Isolation Transformer - 480V Delta Primary- 415Y/240 Wye-N Secondary - NEMA 3R

Product ID: 151270



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.

RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R DOE Efficiency Isolation Transformer	Approvals/Ratings
Transformer Type: Isolation Transformer	NRTL listed for United States
Transformer Configuration: Dry Type	NRTL listed for Canada
Phase: Three Phase	NEMA 3R Indoor/Outdoor Steel Enclosure
Frequency: 60 Hz	Meets or Exceeds NEMA ST-20 Standards
Primary Voltage: 480V AC	DOE Efficiency Isolation Transformer
Primary Connection: Delta	Distribution Type Transformer
Capacity: 15 KVA	Built to UL-50 Standards
Secondary Voltage: 415Y/240V AC	Seismic Qualified for Earthquake Loads
Secondary Connection: Wye-Neutral	RoHS
Knockouts: -	CE Certified
FCAN (Above) Taps: 3	UL/CSA
FCAN (Above) Taps: 3	DOE 2016
Tap %: 2.5	
Impedance: 2.92%	
Efficiency @ 35% Load: 97.95%	
Load Losses: 74.54W	
Load Losses (100%): 393.99W	
Total Load Losses: 468.53W	
Winding Material: Aluminum	
Primary Termination (Std): Terminal Lugs	
Secondary Termination (Std): Terminal Lugs	
Termination Access: Front Access Cover	
Mounting: Floor	
Cooling: Air/Dry	
Insulation: 220°C	
Temperature Rise: 150°C	
Sound Level: 45 dB - Meets NEMA ST-20 Standards	
Electrostatic Shield: Optional	

Enclosure Material: NEMA Type 3R Heavy Duty Ventilated - Steel
Finish: ANSI 61 Grey
Dimensions: 19.37"L x 24.39"W x 25.5"H
Weight: 290 lbs
Shipping Method: Pallet Freight - LTL
Shipping Weight: 355 lbs
Shipping Dimensions: 48"L x 40"W x 290"H

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

This unit is for rental.

The RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R 480D 3 Phase Energy Efficient Isolation Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the RNT-MT-DOE16-3P-480D-15KVA-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 15kVA, the RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R isolation transformer is a three phase unit with a primary voltage of 480V Delta. It also provides a secondary voltage of 415Y/240 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 IP24.

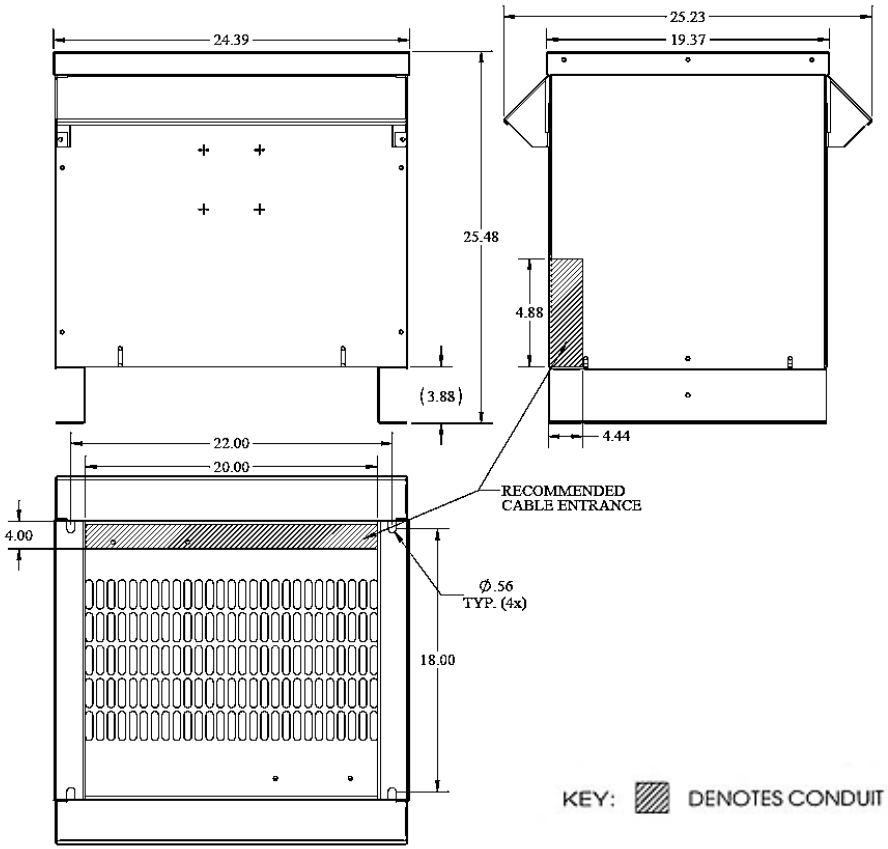
Benefits: The RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R isolation transformer offers many benefits to the consumer. Precision cut aluminum transformer winding material help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations.

This isolation 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 floor brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

Safety: The RNT-MT-DOE16-3P-480D-15KVA-415Y.240-N3R is an isolation transformer which means that it provides operators with an increased level of protection against electric shock. An isolation transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The RNT-MT-DOE16-3P-480D-15KVA-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.

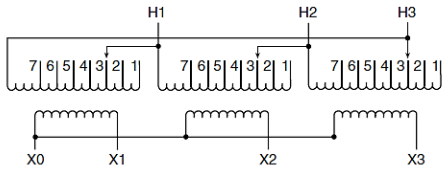
Applications: General purposes.

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.



KEY: DENOTES CONDUIT AREAS

NOTE:
PRIMARY AND SECONDARY BUS AREA
IN FRONT OF CASE.



Primary Volts	Connect Primary Lines To	Inter-Connect	Connect Secondary LinesTo
504	H1, H2, H3	1	
492	H1, H2, H3	2	
480	H1, H2, H3	3	
468	H1, H2, H3	4	
456	H1, H2, H3	5	
444	H1, H2, H3	6	
432	H1, H2, H3	7	
Secondary Volts			
415			X1, X2, X3
240 1 phase			X1 to X0 X2 to X0 X3 to X0

KVA	CATALOG NUMBER	VOLTAGE		LUG KIT	WEIGHT	PHASE	FREQUENCY
		HIGH	LOW				
15	MT-DOE16-3P-480D-15KVA-415Y.240-N3R	480Δ	415Y/240		300 Lbs	3ϕ	60Hz

Temp Rise:	150°C	**TYPICAL PERFORMANCE DATA**						Typical Efficiency @ 35%	97.95%
Insulation:	220°C		Regulation @ 100% PF	2.10%		Windings:	AL	Typical No Load Losses:	74.54W
NEMA ST20 Standard:	45 dB		Standards:	UL/CSA		Impedance:	2.92%	100% Load (Typ) Load Losses (I^2R)	393.99W
Electrostatic Shield:	Option		Approvals:	DOE-2016		Enclosure:	3R	Total Load Lossess:	468.53W

Meets US DOE 2016 Efficiency

REVISIONS

NOTES:
1. Dry Type
2. Class AA
3. Ventilated
4. Paint - #61 ANSI

LARSON ELECTRONICS

DATE: 22-Dec-15

TYPE NO:

CASE 1


DANGER PELIGRO

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Frequently Asked Questions (FAQ)