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MT-ISX-3P.1P-480Y-25KVA-120.240V-N3R

25 kVA DOE Efficiency Transformer, 480Y Wye 3PH Primary, 120/240V 1PH Secondary, NEMA 3R, Ventilated, 60 Hz, Three Phase to Single Phase

Product ID: 279276



Image: MT-ISX-3P.1P-480Y-25KVA-120.240V-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-ISX-3P.1P-480Y-25KVA-120.240V-N3R DOE Efficiency Isolation Transformer

Phase: Three Phase to Single Phase
Frequency: 60 Hz
kVA: 25
Primary Voltage: 480Y Wye 3PH
Primary FCAN: None
Primary FCBN: None
Secondary Voltage: 120/240 V 1PH
Winding Material: Aluminum
Efficiency: 0.9822
No Load Losses: 145W
Full Load Losses: 821W
Regulation @ 100% PF: 0.0365
Insulation: 220°C
Temperature Rise: 150°C
Impedance (Std): -
Seismic Zone: Zone 4
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 Finish
Dimensions*: 37"-H x 26.25"-W x 24"-D
Weight*: 280 lb
Shipping Dimensions*: -
Shipping Weight*: 345 lb

Ratings

NRTL Listed for United States and Canada
ANN Cooling
IP14 Rated
DOE Efficiency Isolation Transformer
DOE 2016 / NRCAN 2019 (Also Meets ON Reg. 404/12)
NRTL Certified to C22.2 No. 47
NRTL Certified to UL 506

Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187

Mounting: Floor Mount

E-mail: sales@larsonelectronics.com

*Please note that numbers are approximate and subject to change

The MT-ISX-3P.1P-480Y-25KVA-120.240V-N3R 480Y Wye Three Phase to Single 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 MT-ISX-3P.1P-480Y-25KVA-120.240V-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 25 kVA, the MT-ISX-3P.1P-480Y-25KVA-120.240V-N3R transformer is a three phase to single phase unit with a primary voltage of three phase 480Y Wye. It also provides a secondary voltage of single phase 120/240 V. 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. These units are also available in NEMA 2, NEMA 4, and NEMA 4X configurations. Please email Larson Electronics at sales@larsonelectronics.com for more information.

Benefits: The MT-ISX-3P.1P-480Y-25KVA-120.240V-N3R general purpose 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 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 mounting brackets make installation fast and easy and the offset outward facing floor installation holes allow for easy power tool access.

Safety: The MT-ISX-3P.1P-480Y-25KVA-120.240V-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 MT-ISX-3P.1P-480Y-25KVA-120.240V-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.

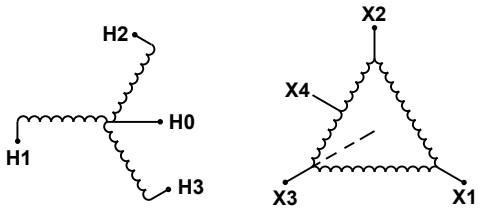
Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power

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.

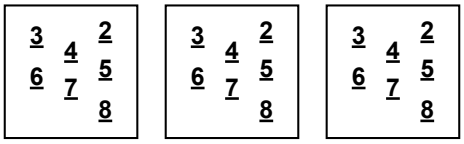
Wiring Diagram

WARNING: *DO NOT SERVICE WHILE ENERGIZED!*

MT-ISX-3P.1P-480Y-25KVA-120.240V-N3R



COIL TAP ARRANGEMENT



PRIMARY VOLTS	
CONNECT LINES TO H1, H2, H3	
TAP	VOLTAGE
2	504
3	492
4	480
5	468
6	456
7	444
8	432

SECONDARY VOLTS	
CONNECT LINES	VOLTAGE
X1, X2, X3	240
X3-X4 OR X2-X4	120

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Frequently Asked Questions (FAQ)

There are no Faqs