

MT-ISX-500D-9.06KVA-480D-3P-N3R

9.06 KVA Isolation Transformer - 500V Primary - 480V Secondary - 10.9 Amps - 50/60Hz - NEMA 3R

Product ID: 306839



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-500D-9.06KVA-480D-3P-N3R Isolation Transformer

Transformer Type: Isolation
Phase: Three Phase
Frequency: 50/60 Hz
Input Voltage: 500 V Delta
Primary Amps: 10.4 A @ 500 V Delta
Primary Configuration: Delta
kVA: 9.06
Output Voltage: 480 V Delta
Secondary Amps: 10.9 A @ 480 V Delta
Voltage Difference: 96%
Winding Material: Aluminum
Knockouts: Side and Rear
Primary Termination: Front Access Copper Tabs or Lead Wires
Secondary Termination: Front Access Copper Tabs or Lead Wires
Cooling: Air / Dry Type
Insulation: 180°C
Temperature Rise: 115°C
Sound Level: 36 dB
Enclosure Rating: NEMA 3R
Encapsulation: Silica Sand & Resin Compounds
Enclosure Material: Steel
Finish: ANSI 61 Grey Finish
Mounting: Wall Mount Via Mounting Tabs
Dimensions*: 19.69" x 25.59" x 17.72"
Weight*: 250 Lbs

*Please note that these numbers are approximate and subject to change

Ratings

NRTL Listed for United States and Canada
NEMA 3R Indoor/Outdoor Enclosure
Meets or Exceeds NEMA ST-20 Standards
Isolation Transformer

Special Orders - Special Requirements

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

The MT-ISX-500D-9.06KVA-480D-3P-N3R from Larson Electronics is a Three Phase Isolation Transformer that is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-ISX-500D-9.06KVA-480D-3P-N3R provides increased reliability, higher efficiency, protection against critical equipment failures, and an extra level of protection by isolating the power source from the connected device. 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: The MT-ISX-500D-9.06KVA-480D-3P-N3R isolation transformer is a three phase unit with a 9.06 kVA rating and a primary voltage of 500 V Delta using a maximum of 10.4 amps on the primary side. This isolation transformer has a secondary voltage of 480 V Delta and provides up to 10.9 amps available on the secondary side. Featuring robust construction, this unit's cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This isolation unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The NEMA 3R painted steel enclosure makes the unit suitable for both indoor and outdoor applications, and this isolation transformer can be wall mounted. The MT-ISX-500D-9.06KVA-480D-3P-N3R features a 180°C insulation with a 115°C temperature rise.

Construction: The aluminum winding in the MT-ISX-500D-9.06KVA-480D-3P-N3R are formed from high quality aluminum wire 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. Isolation transformers are designed to maximize the performance and life of electrical equipment. The MT-ISX-500D-9.06KVA-480D-3P-N3R is encapsulated in silica sand and resin, and cased in a NEMA 3R steel enclosure. NEMA 4, NEMA 4X, and NEMA 12 enclosures are available upon request.

Safety: The MT-ISX-500D-9.06KVA-480D-3P-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-1P-110V-10KVA-230V-50.60HZ-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.

Mounting: Integrated wall mounting brackets make installation fast and easy. Because of the smaller overall footprint, heavy machinery is rarely needed for mounting and installation.

Installation: Installation is simple. Connect the primary leads and secondary leads to the isolation transformer per the provided wiring diagram. Knockout hubs on either side and the bottom of the transformer allow for easy line-in and line-out wiring. The front access cover provides convenient .

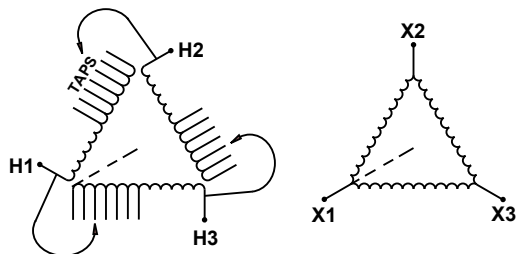
Applications: Air conditioners, lighting systems, heating elements, motor applications, and other applications that that require the ability to power loads that differ from the available line voltage.

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-500D-9.06KVA-480D-3P-N3R



PRIMARY VOLTS	
CONNECT LINES TO H1, H2, H3	
TAP	VOLTAGE
1	COM
1-2	500
1-3	492
1-4	480
1-5	468
1-6	456
1-7	444
1-8	432

SECONDARY VOLTS	
CONNECT LINES	VOLTAGE
X1, X2, X3	480

Frequently Asked Questions (FAQ)