

MT-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3

500 kVA Pad Mount Transformer - 12470V Delta Primary - 240D/120LT Secondary - Oil Cooled - Copper

Product ID: 149837

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



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-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 Pad Mount Transformer

Phase: Three Phase
Frequency: 60Hz
kVA: 500
Primary Voltage: 12470V Delta
Primary Connection: Delta
Primary BIL: 95kV
Primary FCAN: 2 x 2.5%
Primary FCBN: 2 x 2.5%
High Voltage Bushings: 200 Amp Bushing Wells with Standard Inserts & Removeable Studs
Secondary Voltage: 240V Delta / 120 LT
Secondary Connection: Delta
Secondary BIL: 30kV
Low Voltage Bushings: 6-Hole Spade
Switches: (1) 4-Position T-Blade - 300 Amp
Gauges: Liquid Level Gauge
Gauges: Thermometer
Gauges: Pressure Vacumm
Valves: 1" Drain Valve w/ Sampler
Valves: Standard PRV
Valves: Schrader Valve
Valves: Top Filler Valve
Fusing: Bay-O-Net Expulsion Fuse Current/Fault Sensing
Winding Material: Copper

Ratings

Listed for United States and Canada
KNAN Cooling
IP24 Rated
FR3 Oil Filled
Loop Feed
Dead Front

Cooling Class: KNAN
Insulating Fluid: FR3 Oil
Fluid Volume: -
Fluid Weight: -
Elevation: Designed for Operation at Less Than 1000M (3300') Above Sea Level
Temperature Rise: 65°C
Nominal Impedance: ANSI Standard
Sound Level: NEMA Standard
Finish: Munsell Green (Munsell 7GY 3.29/1.5) Topcoat
Dimensions: (Approx) 50.00"H x 79.00"W x 52.00"D
Weight: 4400 lbs
Mounting: Pad Mount

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-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 12470D 3 Phase Energy Efficient Pad Mount Loop Feed Dead Front Transformer from Larson Electronics is powerful, reliable and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 provides increased reliability 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 500kVA, the MT-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 transformer is a three phase unit with a primary voltage of 12470V Delta. It also provides a secondary voltage of 240V Delta / 120 LT. 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 pad mounted. The unit also features FR3 oil cooling and a 65°C temperature rise and is rated IP24. The MT-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 is designed so that no excess oil heating occurs from unbalanced loads or phase loss on the primary side.

Benefits: The MT-PDO-3P-12470D-500KVA-240D.120LT-N3R-FR3 pad mount dead front loop feed transformer offers many benefits to the consumer. Precision cut copper 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.

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.

Frequently Asked Questions (FAQ)

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Product ID: 149837

Harmonized System (HS) Code: 85043300

Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- [MSDS \(Material Safety Data Sheet\)](#)
- [HigResPic1](#)
- [Video1](#)
- [ISO 9001 Certification](#)
- [Business Certificate](#)
- [Shipping Time Map](#)