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**MT-DOE16-1P-230V.EU-30KVA-115.230V-N3R**

# 30 kVA 1PH DOE Efficiency Transformer, 230V (L+N) Euro Primary, 115/230V (L+L+N) Split Phase Secondary, NEMA 3R, Ventilated, 60 Hz

**Product ID: 268308**

**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-DOE16-1P-230V.EU-30KVA-115.230V-N3R Isolation Transformer**

**Phase:** Single Phase
**Frequency:** 60 Hz
**kVA:** 30
**Primary Voltage:** 230 V European (L+N)
**Primary FCAN:** None
**Primary FCBN:** None
**Secondary Voltage:** 115/230 V Split Phase USA (L+L+N)
**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:** 25.5"H x 24.39"W x 25.37"D
**Weight:** 280 lb
**Shipping Dimensions:** 33.5"H x 48"W x 48"D

**Ratings**

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

**Special Orders - Special Requirements**

Contact us for special requirements

**Shipping Weight:** 345 lb

**Mounting:** Floor Mount

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**E-mail:** sales@larsonelectronics.com

**The MT-DOE16-1P-230V.EU-30KVA-115.230V-N3R 230 V European 1 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-DOE16-1P-230V.EU-30KVA-115.230V-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 30 kVA, the MT-DOE16-1P-230V.EU-30KVA-115.230V-N3R transformer is a single phase unit with a primary voltage of European 230 V single phase. It also provides a secondary voltage of 115/230 V Split Phase. This transformer takes 230 V single phase (L+N) and converts it to 115/230 V split phase (L+L+N). This L+N model is considered European 230 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-DOE16-1P-230V.EU-30KVA-115.230V-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-DOE16-1P-230V.EU-30KVA-115.230V-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-DOE16-1P-230V.EU-30KVA-115.230V-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.

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# Frequently Asked Questions (FAQ)


DANGER
DANGER
PELIGRO



**MT-DOE16-1P-230V.EU-30KVA-115.230V-N3R**

**Product ID: 268308**

**Warranty:** 6 Months

**Harmonized System (HS) Code:** 85043300

**Export Control Classification Number (ECCN):** EAR99

Links (Click on the below items to view):

- **MSDS (Material Safety Data Sheet**
- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**