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MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1

125 KVA 3PH Inverter Transformer For Ground Power Units, 480-380V Primary, 208/120V Grounded Secondary, 129-A, Aluminum, NEMA 250, 50/60 Hz

Product ID: 305668

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-GPU-R7-3P-DE.L-125KVA-GT-LF-DF-Z56-HB-AZ-2P-CP-T-N3SX-M1 Inverter Transformer for Ground Power Units

Transformer Type: Inverter Transformer
Transformer Configuration: Dry Type
Phase: Three Phase
Frequency: 50/60 Hz (+/- 10%)
Input Voltage: 480-380V (+10%/-15%)
Input Current: 129A (At 480 Vac), 5% Max AC distortion, IGBT active front end
Input Connection: 3-Ph, 4-W
Power Rating: 125 KVA
Output Voltage: 208/120
Output Connection: 3-Ph, 4-W, Grounded Neutral
Phase Rotation: Any
Power Factor Range: 0.5 Lagging to 0.8 Leading
Frequency Regulation: 400 Hz ± 0.01% under all conditions of line, load and temperature
Frequency Transients: N/A
Voltage Transients: IAW MIL-STD-704F
Voltage Regulation: ± 1.0% under all conditions of line, balanced loads and temperature
Crest Factor: 1.414 (+/- 3%)
Phase Angle Regulation: ± 1° for balanced loads, ± 2° for unbalanced loads
Harmonic Distortion: 2.0% maximum
Protection: Overload, short circuit, over/undervoltage and safety disconnect, loss of phase, overcurrent, Voltage transient protection
Inrush Current: 100% of full load current (max.)
Automatic Line Drop Compensation (ALDC): 15%
Wiring Material: Aluminum

Standards

Seismic Qualified for Earthquake Loads
NFPA 70 (NEC 500)
EN 60079-10
MIL-STD-1472
MIL-STD-704F
ISO 461-1/2
UFGS 26 35 43
ISO 1540
EN 61000-6-2 and -4**
ISO 6858
2006/95/EC**
CE Certified

Energy Factors

Efficiency:
94% typical at full load
92% typical at half load
Varies depending on configuration
Energy Efficiency Ratio: 20.0 typical

Overload:

100% Continuous
110% For 60 min.
125% For 10 min.
150% For 2 min.

Forklift Pocket Tubes: Included, Aluminum, 4 Inches
Lifting Eyes: Included, (2) Removable
Termination Access: Front Access Cover
Mounting: Floor
Cooling: Forced Convection

Fans: Included, (3) For Each Side

AC Output Contactor: Included, S-6 “connect/disconnect” device
AC Input Contactor: Included, S-2 “connect/disconnect” device

surge protection: Included, I-2, Input surge protection IAW IEEE C62.41, Category B

Anti-Condensation Heater: Included, Strip-Type
Insulation Class: 220°C
Temperature Rise: 150°C
Temperature Range: -40oC to +55oC
Relative Humidity: 10-95%, Non condensing
Ingress Of Water: Type 3SX, IP55
Sound Level: 65dB,at 5 feet

Enclosure Material: NEMA 250 Type 3SX Heavy Duty Ventilated

Nameplate Material: Stainless
Finish: White
Dimensions: 20.1"-L x 34"-W x 76"-H
Weight: 1,565 lbs
Shipping Method:
Shipping Weight:
Shipping Dimensions:

200% For 20 sec.
Features:
Certified to UL 1012
5% Input Current Distortion at max load
Automatic Input Line Monitoring
Advanced Integrated Display (AID™) Console, Touch Screen
8000 Event Log / Diagnostics
TCP/IP/Ethernet Interface (Modbus)
Internal Communication Ports - USB, RJ45 (Ethernet), RS485 (Modbus), & RS232
ECP-2 External Communication Port - USB
Emergency Power “OFF” Switch
I/O Voltage, Current, & Frequency Monitoring
Elapsed Time Meter
Front Panel Voltage Adjust
Front Panel Summary Fault Indicators
Input High Voltage Transient Protection
Multi Language Display - Arabic, Asian, English, French, German, Italian, Portuguese, Russian and Spanish, Others
ETL listed and certified to UL/CSA standards
Special Orders - Special Requirements
Contact us for special requirements

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The MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 Three Phase 480-380V to 208/120V 125 KVA Inverter Transformer for Ground Power Units from Larson Electronics is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 provides increased reliability and protection against critical equipment failures.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Features: The MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 Inverter transformer is a three phase transformer with a 125 KVA capacity rating. This inverter transformer is configured with an input voltage of 480-380V 3-Ph 4-W AC on the primary side and an output voltage of 208/120V Grounded 3-Ph 4-W AC 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 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 250 Type 3SX enclosure makes the unit suitable for both indoor and outdoor applications and is designed to be floor mounted. Wall mount brackets or additional mounting accessories can be purchased separately. This 106 KVA distribution transformer features 220°C insulation with a 150°C temperature rise.

Benefits: The MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 480-380V to 208/120V 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 and wall mounting brackets make installation fast and easy and the offset outward facing floor installation

holes allow for easy power tool access.
The MT-GPU series of isolation transformers from Larson Electronics meet or exceed efficiency standards for United States and Canada. This results is overall lower cost of ownership throughout the life of the transformer.
Safety: The MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 is an inverter transformer which means that it provides operators with an increased level of protection against electric shock and injury. An inverter transformer can also suppress electrical noise in sensitive devices and transfer power between two circuits which must not be connected. The MT-GPU-R7-3P-DE.L-125KVA-GT-Z56-HB-AZ-2P-CP-T-N3SX-M1 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: Converting 480-380V local grid power to 208/120V for on-site equipment. This 125 KVA power transformer is ideal for sensitive equipment such as CNC equipment, computers, medical devices, ovens, or laboratory instruments. 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)







Warranty: 6 Months.
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**