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MT-BBT-240D-208D-3P-19.4A

3 Phase Buck & Boost Transformer - 240V Primary - 208V Secondary - 19.4 Amps on Secondary - 50/60Hz

Product ID: 315602

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-BBT-240D-208D-3P-19.4A Buck and Boost Transformer
Phase: Three Phase
Frequency: 50/60Hz
kVA: 6.98
Transformer Type: Buck/Boost
Input Voltage: 240V AC
Input Amps: 16.81A
Primary Configuration: Delta
Output Voltage: 208V
Secondary Amps: 19.4A Available on Secondary Side
Winding Material: Copper
NEMA Rating: NEMA 3R
Primary Termination (Std): Wire Leads
Secondary Termination (Std): Wire Leads
Insulation: 130°C
Temperature Rise: 80°C
Sound Level: Meets NEMA ST-20 Standards
Enclosure Material: NEMA Type 3R
Finish: Painted Steel
Dimensions: 7.36"H x 3.9"W x 3.88"D each
Weight: -

Ratings
Listing: UL Listed
CSA Certified
Buck and Boost Transformer
Rated for Indoor/Outdoor Environments

Special Orders - Special Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
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E-mail: sales@larsonelectronics.com

The MT-BBT-240D-208D-3P-19.4A Three Phase Energy Efficient Buck and Boost 50/60Hz Transformer from Larson Electronics is powerful, reliable

and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-BBT-240D-208D-3P-19.4A provides increased reliability, 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: With a transformer rating of 6.98 kVA, the MT-BBT-240D-208D-3P-19.4A buck and boost transformer is a three phase unit with a primary voltage of 240V AC and 16.81 amps on the input side. It also provides a secondary voltage of 208V and has 19.4 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 unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean that less cooling is needed as well. The NEMA 3R painted steel enclosure makes this unit suitable for both indoor and outdoor applications and it can be either floor or wall mounted. This unit features 130°C insulation with a 80°C temperature rise.

Benefits: The MT-BBT-240D-208D-3P-19.4A buck and boost three phase transformer offers many benefits to the consumer. Precision cut copper transformer winding material helps 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. Buck and boost transformers are designed to maximize the performance and life of electrical equipment.

Buck and boost transformers are a type of transformer that is designed to make adjustments to the voltage applied to alternating current equipment. These transformers can either step up (boost) the input voltage or step down (buck) the input voltage to the appropriate level for the specific application. Buck and boost transformers are used to make small changes of less than thirty percent to the voltage coming in.

Please note that a buck and boost transformer can only change voltage and NOT frequency or phase.

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 turns into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Integrated floor or wall mounting brackets make installation fast and easy.

Benefits and Features	Limitations
• Low Cost • Compact Size • Light Weight • Highly Efficient • More Economical than Equivalent Distribution Transformer • Can handle loads up to 20 times the nameplate rating when connected as an auto transformer • Indoor or Outdoor Service • NRTL Certified to UL	**There are a few limitations that are very common among most of the commercially available buck-boost transformers:** **• Cannot be used to develop a three phase, four wire wye circuit from a three phase, three wire delta circuit.** **• Cannot be used in a closed delta connection.** **• Should not be used to correct for voltage drop on a long circuit run where the load demand fluctuates.** **• Cannot be used to create a 240/120V, single phase service from a 208Y/120V three phase supply.**

Applications: Air conditioners, lighting systems, heating elements, uninterruptible power supply (UPS) units for computers, 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.

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Frequently Asked Questions (FAQ)

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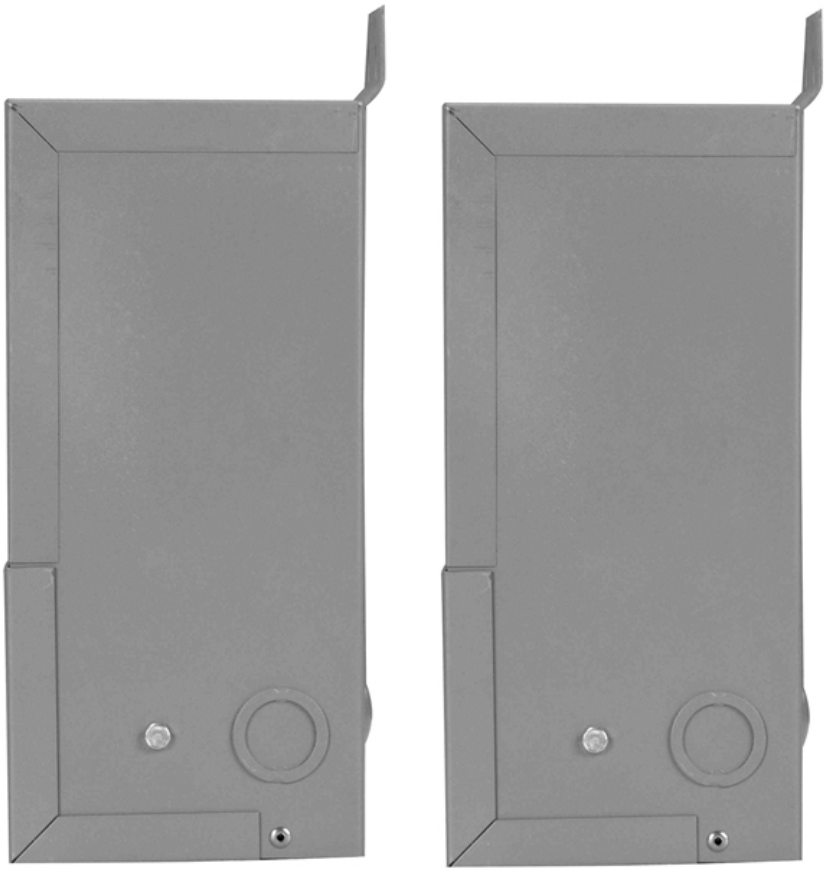

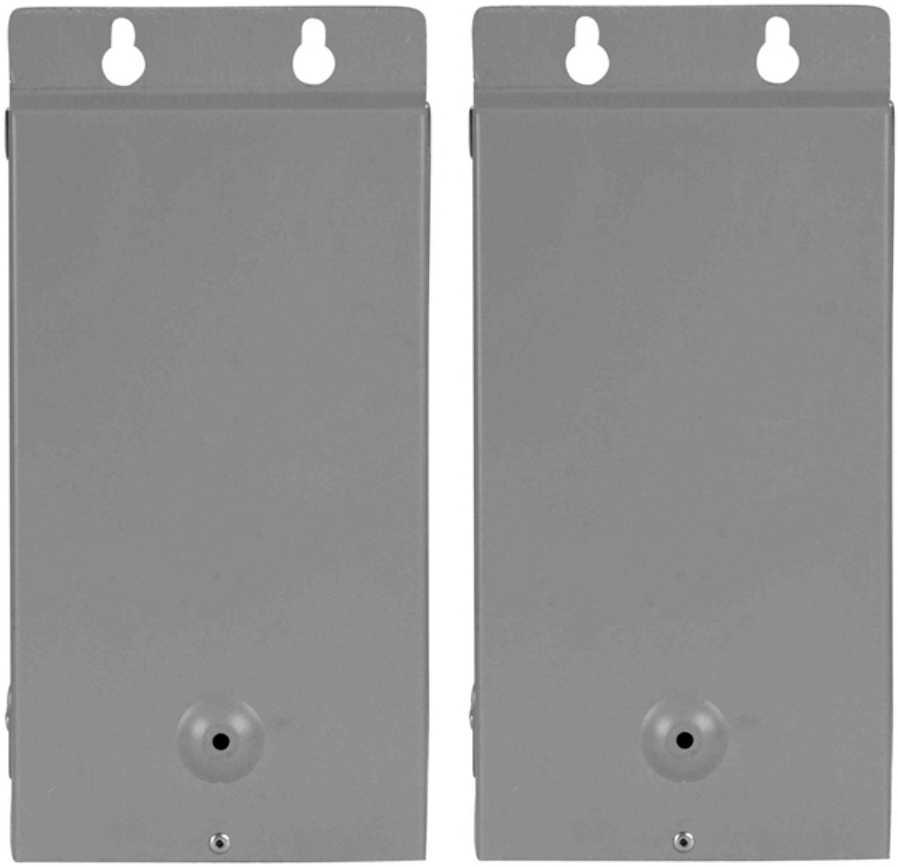

Warranty: 3 Months.
Export Control Classification Number (ECCN): EAR99

Links (Click on the below items to view):

- **Operations Manual**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **HigResPic5**
- **HigResPic6**
- **HigResPic7**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**