

MT-BBT-245D-230D-3P-35.4A

3 Phase Buck & Boost Transformer - 245V Primary - 230V Secondary - 35.4 Amps on Secondary - 50/60Hz

Product ID: 336115

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



Image: MT-BBT-245D-230D-3P-35.4A

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-245D-230D-3P-35.4A Buck and Boost Transformer

Phase: Three Phase

Frequency: 50/60Hz

kVA: 14.10

Transformer Type: Buck/Boost

Input Voltage: 245V AC

Input Amps: 33.23A

Primary Configuration: Delta

Output Voltage: 230V

Secondary Amps: 35.4A Available on Secondary Side

Winding Material: Copper

NEMA Rating: NEMA 3R

Primary Termination (Std): Wire Leads

Secondary Termination (Std): Wire Leads

Insulation: 180°C

Temperature Rise: 115°C

Sound Level: Meets NEMA ST-20 Standards

Enclosure Material: NEMA Type 3R

Finish: Painted Steel

Dimensions: 11.76"L x 5.5"W x 10.5"H

Weight: 50 lbs

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

Intl: 1-903-270-1187

E-mail:

The MT-BBT-245D-230D-3P-35.4A 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-245D-230D-3P-35.4A 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 14.10 kVA, the MT-BBT-245D-230D-3P-35.4A buck and boost transformer is a three phase unit with a primary voltage of 245V AC and 33.23 amps on the input side. It also provides a secondary voltage of 230V AC and has 35.4 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-245D-230D-3P-35.4A 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
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• 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 • UL Certified	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.
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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.



Frequently Asked Questions (FAQ)

There are no Faqs



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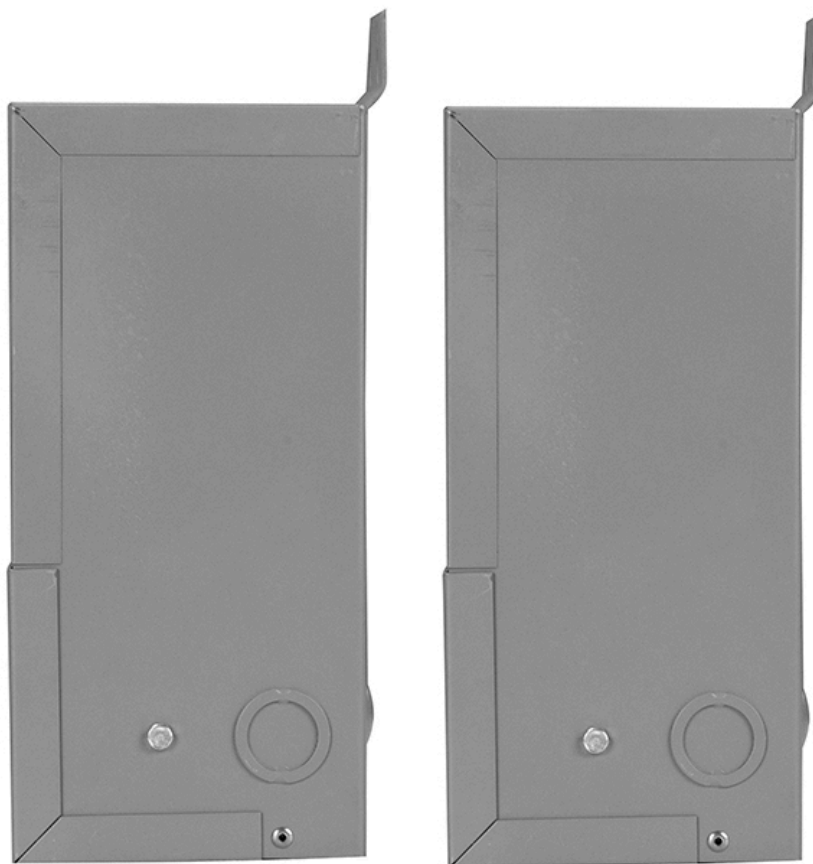


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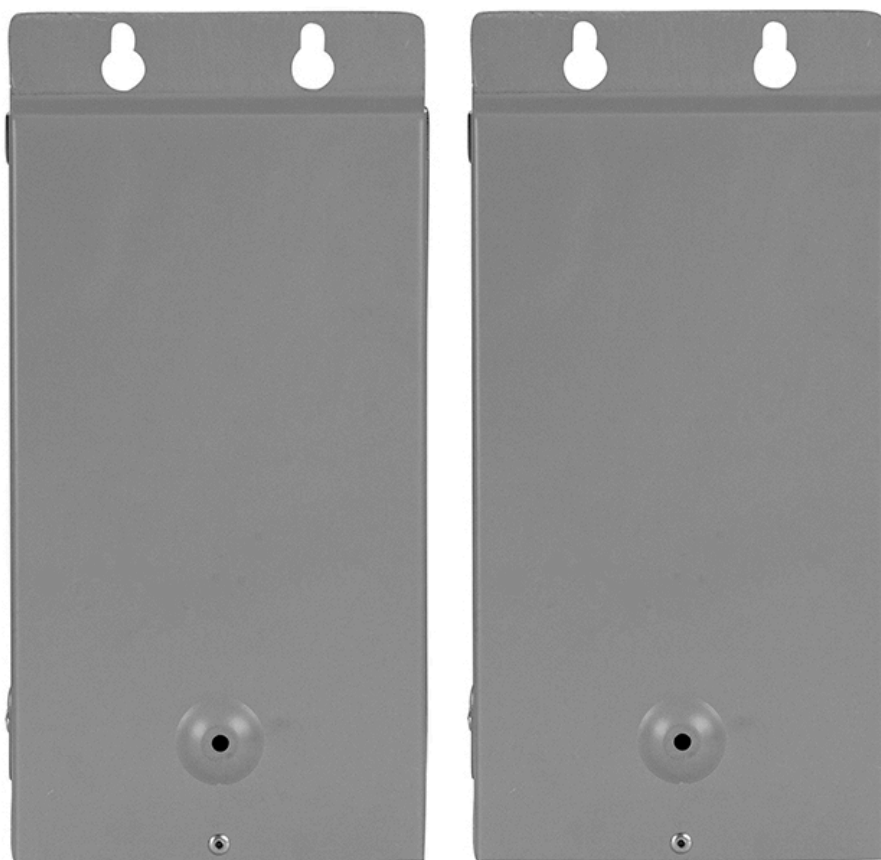


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Export Control Classification Number (ECCN): EAR99



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