

1 Phase Buck & Boost Step-Down Transformer - 240V Primary - 208V Secondary at 26.6 Amps - 50/60Hz

MT-BBT-240V-208V-26.6A



MT-BBT-240V-208V-26.6A Buck and Boost Step-Down Transformer

Transformer Type: Buck/Boost step-down Autotransformer
Phase: Single Phase
Frequency: 50/60 Hz
Input Voltage: 240 V AC
Primary Amps: 23.4 A @ 240 V
Primary Configuration: Two winding
kVA: 5.53
Output Voltage: 208 V
Secondary Amps: 26.6 A @ 208 V
Voltage Difference: 88%
Primary Configuration: Two winding
Winding Material: Copper
Knockouts: Side and rear
Primary Termination: Front access copper tabs or lead wires
Secondary Termination: Front access copper tabs or lead wires
Cooling: Air / Dry Type
Insulation: 130°C
Temperature Rise: 80°C
Sound Level: 36 dB
Enclosure Rating: NEMA 3R
Encapsulation: Silica sand, resin compounds
Enclosure Material: Steel
Finish: ANSI 61 Grey Finish
Mounting: Wall mount via mounting tabs
Dimensions: 11.25"H x 5.25"W x 6.50"D
Weight: 25 lb

Ratings

NRTL Listed for United States and Canada
NEMA 3R Indoor/Outdoor Enclosure
Meets or Exceeds NEMA ST-20 Standards
Buck and Boost Step-Down Transformer

Special Orders - Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
E-mail: sales@larsonelectronics.com

The MT-BBT-240V-208V-26.6A single phase step-down Buck and Boost Transformer from Larson Electronics is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications, the MT-BBT-240V-208V-26.6A provides increased reliability, higher efficiency, 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: The MT-BBT-240V-208V-26.6A buck and boost transformer is a single phase unit with a 5.53 kVA rating and a primary voltage of

240 V AC using a maximum of 23.4 amps on the primary side. This step-down transformer has a secondary voltage of 208 V and provides up to 26.6 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 less cooling is needed as well. The NEMA 3R painted steel enclosure makes the unit suitable for both indoor and outdoor applications, and this step-down transformer can be either floor or wall mounted. The MT-BBT-240V-208V-26.6A features a 130°C insulation with a 80°C temperature rise.

Construction: The copper winding in the MT-BBT-240V-208V-26.6A are formed from high quality magnetic copper wire 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. Buck and boost transformers are designed to maximize the performance and life of electrical equipment. The MT-BBT-240V-208V-26.6A is encapsulated in silica sand and resin, and cased in a NEMA 3R steel enclosure. NEMA 4, NEMA 4X, and NEMA 12 enclosures are available upon request.



[Click Image to Enlarge](#)

Benefits: The MT-BBT-240V-208V-26.6A buck/boost step-down transformer offers many benefits to the consumer. Buck/boost transformers pass the majority of the load voltage directly through the transformer, only transforming a small percentage of the load. Due to this technology, a smaller and quieter step-down transformer is manufactured and uses less materials. This 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. Installation and maintenance costs are reduced due to the smaller form factor, and less overall space requirements are decreased. In addition, these step-down transformers operate quieter than a standard autotransformer of the same capacity.

Mounting: Integrated wall mounting brackets make installation fast and easy. Because of the smaller overall footprint, heavy machinery is rarely needed for mounting and installation.

Installation: Installation is simple. Connect the primary leads and secondary leads to the step-down transformer per the provided wiring diagram. Knockout hubs on either side and the bottom of the transformer allow for easy line-in and line-out wiring. The front access cover provides convenient .

Applications: Air conditioners, lighting systems, heating elements, motor applications and other applications that that require the ability to power loads that differ from the available line voltage.

Limitations: While there are many benefits to a buck/boost transformer, there are some limitations to consider. This transformer will only transformer voltage, it will not convert phases, has no circuit isolation, and does not create a neutral for applications where a neutral is not already present. If any of these limitations apply to you, you will need a standard transformer. Please see below link for our standard line of [industrial transformers](#) or our line of [phase converters](#).

Note on Phases: This buck/boost transformer is a single phase step-down transformers. For three phase transformers, click on the following links:

[Three Phase Delta Buck/Boost Transformers](#)

[Three Phase Wye Buck/Boost Transformers](#)

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)









Links (Click on the below items to view):

- [Catalog Page - Product Series](#)
- [Dimensional Drawing 2D](#)
- [Operations Manual](#)
- [SpecSheetSpanish](#)
- [HigResPic1](#)
- [HigResPic2](#)
- [HigResPic3](#)
- [HigResPic4](#)
- [HigResPic5](#)
- [HigResPic6](#)
- [HigResPic7](#)
- [HigResPic8](#)
- [ISO 9001 Certification](#)