



Summary

Single-phase buck-boost transformer. Steps up 226V to 241V at 62.24 amps continuous output. 15 kVA capacity. NEMA 3R enclosed, cETLus listed, wall mount.

Product Description

This unit corrects a 226V building supply to 241V at the point of use, permanently, without modifying the building's electrical service. Designed for equipment rated 241V that is installed on a 226V system.

Wired as an autotransformer, the unit handles only the difference between input and output and not the full load. This is why a 62.24-amp buck-boost transformer is significantly smaller and lighter than a 62.24-amp isolation transformer. The encapsulated core construction eliminates audible hum and provides stable thermal performance under continuous duty.

Features a removable wiring compartment door, removable knockout plate, and six NPT knockouts for flexible conduit entry. Surface mounting bracket for easy wall mount installations.



TX-BB-226V-241V-15KVA — NEMA 3R Encapsulated, cETLus Listed

Specifications

Phase	Single Phase (1-PH), AC	Transformer Type	Buck/Boost
Capacity	15 kVA	Configuration	Encapsulated Autotransformer
Primary Voltage	226V	Primary Termination	Lead Wires & Terminal Lugs
Primary Amperage	66.37A	Secondary Termination	Lead Wires & Terminal Lugs
Secondary Voltage	241V	Termination Access	(6) ¾" NPT Hubs
Secondary Amperage	62.24A	Winding Material	Aluminum
Maximum Primary OCP	90A	Enclosure Material	Steel
Frequency	50/60 Hz	Finish Color	ANSI 70 Light Grey
Insulation	180°C	Weight	27 lbs
Temperature Rise	115°C	Dimensions	5.43"-W x 4.49"-D x 10.08"-H

Ratings & Certifications

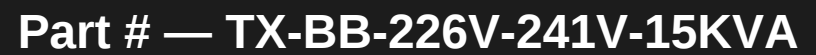
- Listed for United States
- NEMA 3R Indoor/Outdoor Enclosure
- Built to UL-50 Standards
- CE Certified
- Listed for Canada
- Epoxy Resin Encapsulated
- RoHS Compliant



Common Applications

- HVAC & Minisplit
- Loads CNC Machines
- Pump Stations
- Packaging Machines
- Commercial Kitchen Equipment
- Motor Loads
- EV Chargers
- Server Racks & IT Equipment
- Refrigeration & Walk-in
- Coolers Fans & Blowers
- Conveyor Systems
- Overhead Doors

Important: Buck-boost transformers applied as autotransformers do not provide circuit isolation and do not create a neutral. Contact us if your application requires isolation or neutral creation.



Technical drawing of the Bottom (Underside) Plate, showing three views: Front View, Side View, and Top View.

Front View Dimensions:

- Overall Width: 5.43"
- Overall Height: 10.08"
- Top Mounting Holes: 3 holes, each with a diameter of $\varnothing 0.2$ ".
- Ground Hole: $\varnothing 0.2$ " hole located 1.18" from the bottom edge.
- Bottom Mounting Holes: 2 holes, each with a diameter of $\varnothing 0.2$ ".
- Bottom Mounting Holes Spacing: 1.95" between holes, 0.86" from the side edge.
- Bottom Mounting Holes Position: 1.63" from the bottom edge.

Side View Dimensions:

- Overall Height: 6.14"
- Overall Width: 12.21"
- Knockout Position: (1) $3/4$ " NPT Knockout Per Side, located 1.97" from the side edge.
- Knockout Diameter: $\varnothing 0.2$ ".
- Knockout Position: 1.57" from the bottom edge.
- Knockout Position: 0.39" from the side edge.
- Knockout Position: 0.08" from the bottom edge.
- Knockout Position: 2.32" from the side edge.
- Knockout Position: 4.49" from the side edge.

Top View Dimensions:

- Overall Width: 5.43"
- Overall Height: 4.45"
- Knockout Position: (4) $3/4$ " NPT Knockouts, arranged in a 2x2 grid.
- Knockout Position: 1.1" from the side edge.
- Knockout Position: 3.23" from the side edge.
- Knockout Position: 2.52" from the side edge.
- Knockout Position: 0.95" from the side edge.

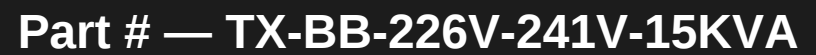
Bottom (Underside) Plate

Connection Guide

1. Connect **X2** and **X3** together
2. Connect **H2** and **H3** together
3. Connect High Voltage **L1** to **X4**
4. Connect Low Voltage **L1** to **H4** and **X1**
5. Connect High & Low Voltage **L2** to **H1**

DIAGRAM D2





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SANZO SALES

TX-BB-240V-208V-30A

Phase	Single Phase	Configuration	Autotransformer
Input Voltage	240V	Max VA	5000 VA
Output Voltage	208V	Insulation	F157C
Max Input Amps	75.0A	Protection	Fusible
Max Output Amps	30.0A		

End-use: Type H05RN 28 for branch or outdoor use
 Complies to UL 500 Complies to NEC 90.10
 Fuses 1/2 15-A 250V-1000V CUL # K1000

Autotransformer

ETV
 COMPLYING TO UL 500-1
 CERTIFIED TO CSA C22.2-M91.1

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Base Knockouts — (4) ¾" NPT



Side View



Rear View — Surface Mount Bracket



Wiring Compartment — Terminal Leads



Interior — Epoxy Resin Encapsulated Core