

Summary

Single-phase buck-boost transformer. Steps up 226V to 241V at 60 amps continuous output. 14.46 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 60-amp buck-boost transformer is significantly smaller and lighter than a 60-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-60A — NEMA 3R Encapsulated, cETLus Listed

Specifications

Phase	Single Phase (1-PH), AC	Transformer Type	Buck/Boost
Capacity	14.46 kVA	Configuration	Encapsulated Autotransformer
Primary Voltage	226V	Primary Termination	Lead Wires & Terminal Lugs
Primary Amperage	64.00A	Secondary Termination	Lead Wires & Terminal Lugs
Secondary Voltage	241V	Termination Access	(6) ¾" NPT Hubs
Secondary Amperage	60A	Winding Material	Aluminum
Maximum Primary OCP	80A	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 a 19-inch rackmount patch panel, showing three views: Front View, Side View, and Bottom View.

Front View Dimensions:

- Overall Width: 5.43"
- Overall Height: 10.08"
- Top Panel Width: 2.95"
- Top Panel Height: 1.23"
- Top Panel Spacing: 1.12" (between three circular ports)
- Ground Hole: $\varnothing 0.2"$
- Ground Hole Spacing: 1.18"
- Ground Hole Offset: 0.08"
- Bottom Panel Width: 5.43"
- Bottom Panel Height: 1.63"
- Bottom Panel Spacing: 1.95"
- Bottom Panel Offset: 0.86"

Side View Dimensions:

- Overall Width: 6.14"
- Overall Height: 12.21"
- Top Panel Height: 4.25"
- Knockout Per Side: (1) 3/4" NPT
- Knockout Diameter: 1.97"
- Knockout Offset: 1.57"
- Knockout Spacing: 2.32"
- Knockout Offset: 0.39"
- Knockout Offset: 0.08"
- Bottom Panel Width: 4.49"
- Bottom Panel Height: 0.86"
- Bottom Panel Offset: 0.08"
- Bottom Panel Spacing: 1.95"
- Bottom Panel Offset: 0.86"

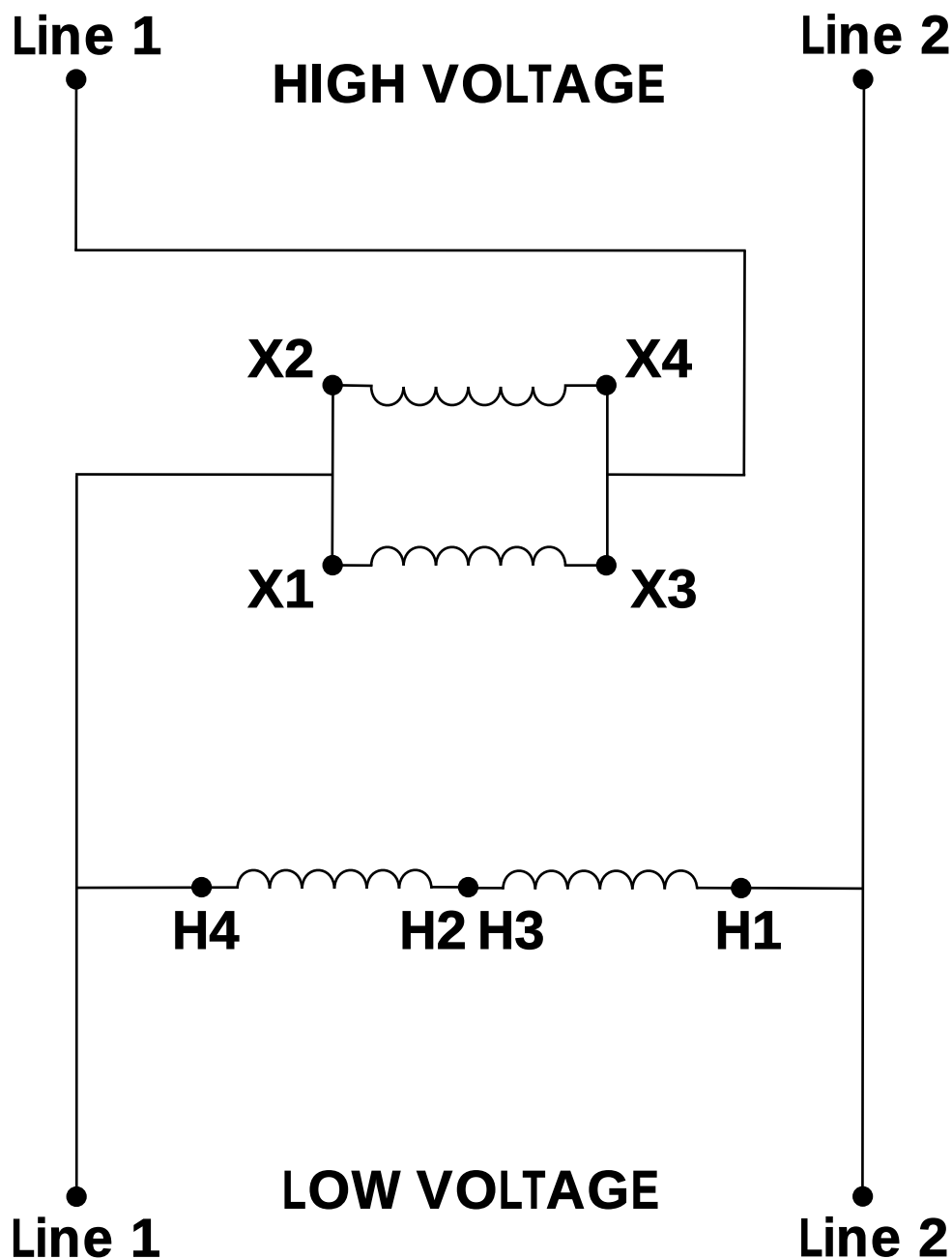
Bottom View Dimensions:

- Overall Width: 5.43"
- Overall Height: 4.45"
- Knockout Spacing: 3.23"
- Knockout Offset: 1.1"
- Knockout Diameter: (4) 3/4" NPT
- Knockout Offset: 2.52"
- Knockout Offset: 0.95"

Connection Guide

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

DIAGRAM C2





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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