

### Summary

Single-phase buck-boost transformer. Steps up 240V to 264V at 60 amps continuous output. 15.84 kVA capacity. NEMA 3R enclosed, cETLus listed, wall mount.

### Product Description

This unit corrects a 240V building supply to 264V at the point of use, permanently, without modifying the building's electrical service. Designed for equipment rated 264V that is installed on a 240V 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-240V-264V-60A — NEMA 3R Encapsulated, cETLus Listed

### Specifications

|                     |                         |                       |                              |
|---------------------|-------------------------|-----------------------|------------------------------|
| Phase               | Single Phase (1-PH), AC | Transformer Type      | Buck/Boost                   |
| Capacity            | 15.84 kVA               | Configuration         | Encapsulated Autotransformer |
| Primary Voltage     | 240V                    | Primary Termination   | Lead Wires & Terminal Lugs   |
| Primary Amperage    | 66.00A                  | Secondary Termination | Lead Wires & Terminal Lugs   |
| Secondary Voltage   | 264V                    | Termination Access    | (6) ¾" NPT Hubs              |
| Secondary Amperage  | 60A                     | Winding Material      | Aluminum                     |
| Maximum Primary OCP | 90A                     | Enclosure Material    | Steel                        |
| Frequency           | 50/60 Hz                | Finish Color          | ANSI 70 Light Grey           |
| Insulation          | 180°C                   | Weight                | 34 lbs                       |
| Temperature Rise    | 115°C                   | Dimensions            | 5.43"-W x 4.49"-D x 10.87"-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: Top, Front, and Bottom.

**Top View:**

- Overall dimensions: 5.43" (width) x 10.87" (length).
- Three mounting holes are spaced 2.95" apart.
- Individual hole spacing: 1.12" between holes.
- Ground hole diameter:  $\varnothing 0.2"$ .
- Ground hole offset: 1.18" from the centerline.
- Ground hole offset: 0.08" from the edge.
- Ground hole offset: 0.86" from the edge.
- Ground hole offset: 1.63" from the edge.
- Ground hole offset: 1.95" from the edge.

**Front View:**

- Overall height: 6.93".
- Overall width: 10.87".
- Side profile dimension: 13".
- Side profile dimension: 4.25".
- Side profile dimension: 1.97".
- Side profile dimension: 1.57".
- Side profile dimension: 0.39".
- Side profile dimension: 0.08".
- Side profile dimension: 2.32".
- Side profile dimension: 4.49".
- Side profile dimension: M3.

**Bottom View:**

- Overall dimensions: 5.43" (width) x 4.45" (length).
- Four 3/4" NPT knockouts are spaced 3.23" apart.
- Individual knockout spacing: 1.1" between knockouts.
- Knockout offset: 2.52" from the edge.
- Knockout offset: 0.95" from the edge.

(4) 3/4" NPT Knockouts  
Bottom (Underside) Plate

## Connection Guide

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

### DIAGRAM A2





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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*