



BUCK-BOOST TRANSFORMERS

Voltage-Specific Units for Common Mismatches

sales@sanzosales.com

Your equipment needs the right voltage. We make that simple to fix.

TELL US THE VOLTAGE PAIR. WE SHIP THE CORRECT FIX.

You tell us what voltage your building has, what voltage your equipment needs, and how much capacity you require. We confirm the correct unit and ship it.

Our voltage-specific buck-boost units are built for the most common real-world voltage mismatches. Simple selection. Clear specifications. The right unit for the job.

Available in hardwire and pre-wired configurations. Pre-wired units ship with line-in and line-out cords terminated in the correct plug and connector for your application

WHAT THESE UNITS DO

Voltage correction for equipment that requires a different voltage than your building provides. Common examples: 208V building / 240V equipment, 240V building / 220V equipment, 480V three-phase / 460V motors.

A buck-boost transformer corrects the voltage difference permanently, at the point of use, without changing your building's electrical service.

WHY THIS APPROACH WORKS

- **Smaller & Lighter**
Only corrects the voltage difference — not full load. Significantly smaller than an isolation transformer.
- **cETLus Certified**
Tested by Intertek. Compliant with UL 5085-1, UL 5085-2, and CAN/CSA-C22.2 No. 66.1.
- **Continuous Duty**
Class H (180°C) insulation supports continuous operation without derating.
- **NEMA 3R Enclosure**
Heavy-gauge powder-coated steel. Indoor and outdoor installations. No separate enclosure needed.
- **Encapsulated Core**
Resin-encapsulated construction reduces noise and promotes stable thermal performance.
- **Installer-Friendly**
Six NPT knockouts, 9" lead wires, labeled terminals, removable wiring compartment door.

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.

COMMON APPLICATIONS

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



TX Series — NEMA 3R Enclosed, Hardwired



TX Series — NEMA 3R Enclosed, Pre-wired

TO SIZE THE CORRECT UNIT, EMAIL:

Input voltage • Output voltage • Phase (1Ø / 3Ø delta / 3Ø wye) • Capacity (amps, kVA, or HP) • Quantity

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Example: TX-BB-208V-240V-40A
208V→240V single-phase, 40A output
9.44 kVA, NEMA 3R, wall mount