SANZO SALES

XFMR DIRECT

TX-BB-220V-208V-20HP

Buck-Boost Transformer Specification Sheet

Electrical and physical specifications

Supply configuration	**1-Phase**
Input voltage	**220 V**
Nominal output voltage	**208 V**
Calculated output at stated input	**209.52 V**
Rated continuous output current	**79.7 A**
Approx. input current at rated load	**75.905 A**
Capacity at calculated output	**16.69 kVA**
Connection diagram	**C2**
Base transformer part	**TX-B3-010K-124202**
Number of base transformers	**1**
Rating of each base	**1000 VA**
Base primary / secondary windings	**120/240 V / 12/24 V**
Dimensions per enclosure (W x D x H)	**5.43 x 4.49 x 10.08 in**
Weight per enclosure	**27 lb**
Total base-transformer weight	**27 lb**
Winding / enclosure	**Aluminum / NEMA 3R**
Rated frequency	**50/60 Hz**

Installation and rating notes

Use the connection sheet with this exact base construction. Do not select wiring by voltage alone.

Nominal output is an application label. Actual output varies with supply voltage and load.

The current limit shown above governs; the ordering SKU is retained for traceability.

Confirm equipment current, motor starting requirements and duty before installation.

Autotransformer connections provide no electrical isolation and do not create a neutral.

Installation must be performed by qualified personnel. Disconnect and verify absence of power.

Diagram C2 | 220 V input to 208 V nominal output

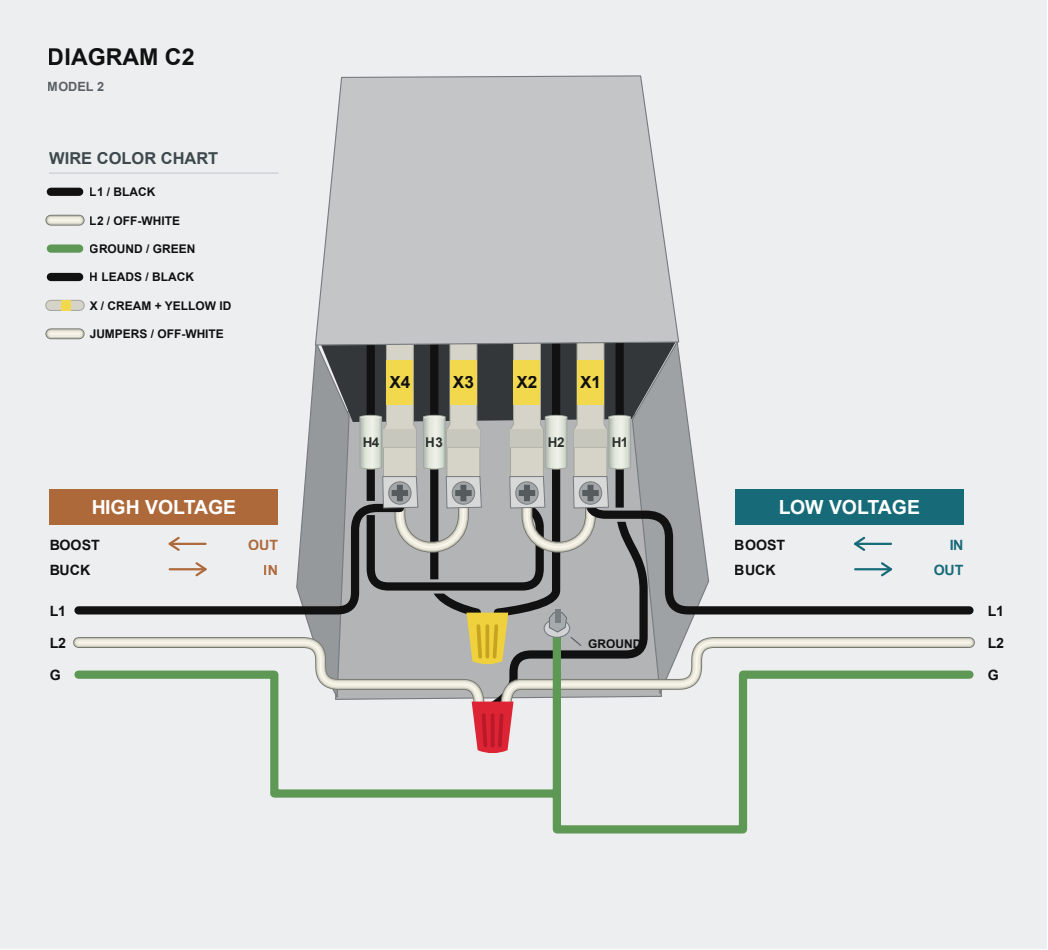
Single phase | Primary series / secondary parallel | Buck

Continuous output rating: 79.7 A | Calculated output: 209.52 V

1. Join X4 and X3 on each unit.
2. Join X2 and X1 on each unit.
3. Connect 220 V INPUT L1 to X4 and X3 on Unit 1.
4. Connect 208 V OUTPUT L1 to X1 and H4 and X2 on Unit 1.
5. Join H2 and H3 on each unit.
6. Connect INPUT and OUTPUT L2 to H1 on Unit 1.

BASE: 1 x TX-B3-010K-124202 | 1000 VA each

Use this diagram only with 120/240 V primary / 12/24 V secondary.



Drawing: LOW VOLTAGE = 208 V OUTPUT; HIGH VOLTAGE = 220 V INPUT.

Disconnect power and verify de-energized before wiring. Bond every enclosure to equipment ground.
Follow the terminal identifiers shown; H2/H3 and X2/X3 differ from some other manufacturers.
Verify input and all output voltages before connecting the load. No circuit isolation is provided.
This connection does not create a neutral. Installation must be performed by a qualified electrician.