



Electrical and physical specifications

Supply configuration	1-Phase
Input voltage	277 V
Nominal output voltage	291 V
Calculated output at stated input	290.85 V
Rated continuous output current	83.33 A
Approx. input current at rated load	87.496 A
Capacity at calculated output	24.23 kVA
Connection diagram	C2
Base transformer part	TX-B3-020K-115216
Number of base transformers	1
Rating of each base	2000 VA
Base primary / secondary windings	240/480 V / 24/48 V
Dimensions per enclosure (W x D x H)	7.68 x 6.38 x 11.02 in
Weight per enclosure	42 lb
Total base-transformer weight	42 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 | 277 V input to 291 V nominal output

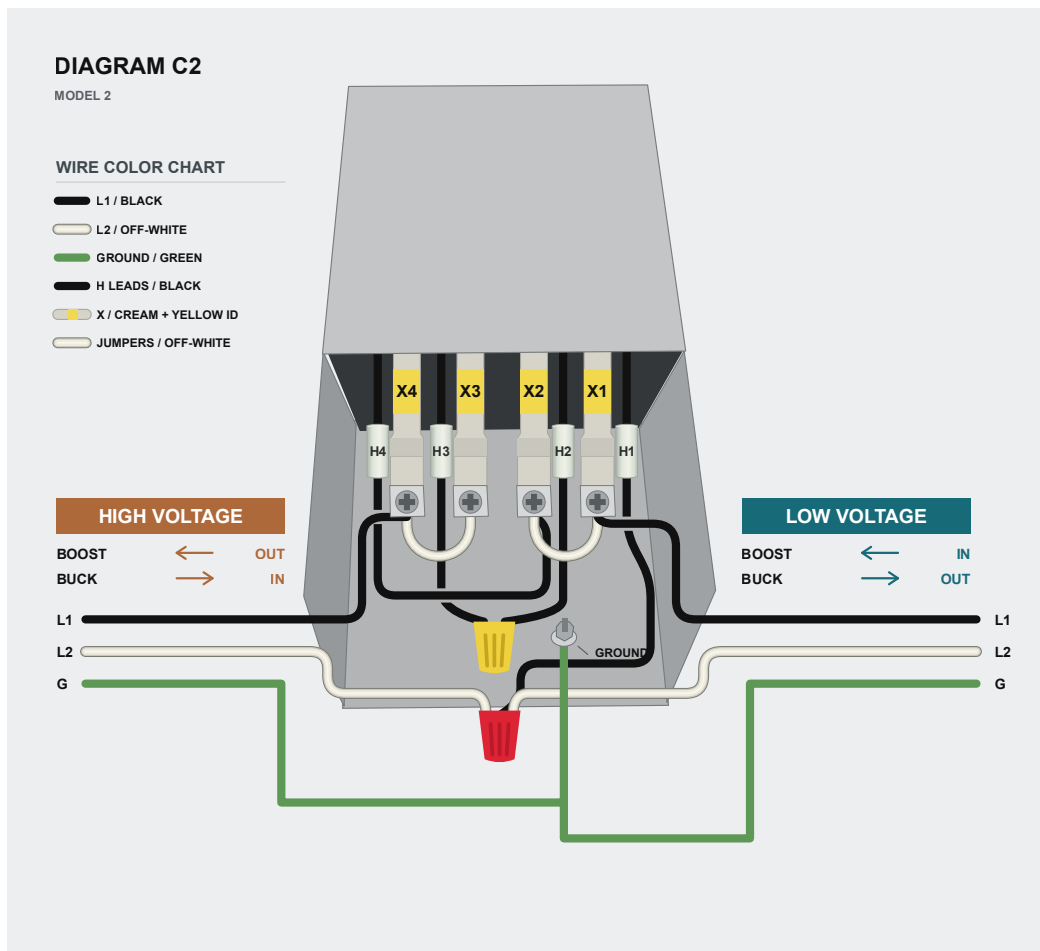
Single phase | Primary series / secondary parallel | Boost

Continuous output rating: 83.33 A | Calculated output: 290.85 V

1. Join X4 and X3 on each unit.
2. Join X2 and X1 on each unit.
3. Connect 291 V OUTPUT L1 to X4 and X3 on Unit 1.
4. Connect 277 V INPUT 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-B3-020K-115216 | 2000 VA each

Use this diagram only with 240/480 V primary / 24/48 V secondary.



Drawing: LOW VOLTAGE = 277 V INPUT; HIGH VOLTAGE = 291 V OUTPUT.

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.