



## Electrical and physical specifications

|                                      |                       |
|--------------------------------------|-----------------------|
| Supply configuration                 | 3-Phase Wye           |
| Input voltage                        | 450 V                 |
| Nominal output voltage               | 480 V                 |
| Calculated output at stated input    | 472.50 V              |
| Rated continuous output current      | 120.28 A              |
| Approx. input current at rated load  | 126.294 A             |
| Capacity at calculated output        | 98.43 kVA             |
| Connection diagram                   | L2                    |
| Base transformer part                | TX-B3-030K-115216     |
| Number of base transformers          | 3                     |
| Rating of each base                  | 3000 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 12.2 in |
| Weight per enclosure                 | 68 lb                 |
| Total base-transformer weight        | 204 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.

A supply neutral is required and must be carried through. These connections do not create a neutral.

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

## Diagram L2 | 450 V input to 480 V nominal output

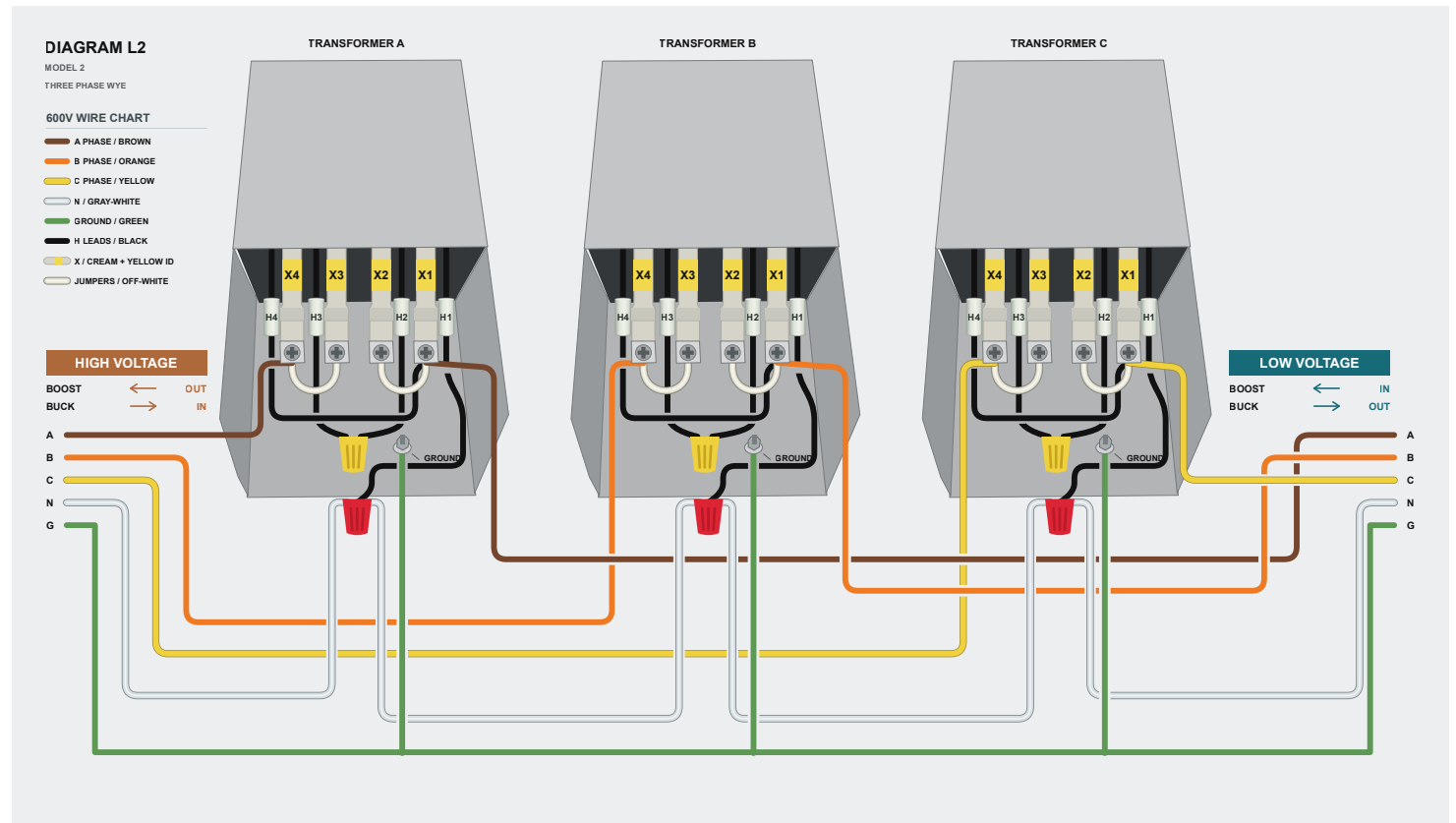
Three phase wye | Primary series / secondary parallel | Boost

Continuous output rating: 120.28 A | Calculated output: 472.50 V

1. Join X4 and X3 on each unit.
2. Join X2 and X1 on each unit.
3. Connect 480 V OUTPUT A to X4 and X3 on Unit 1.
4. Connect 480 V OUTPUT B to X4 and X3 on Unit 2.
5. Connect 480 V OUTPUT C to X4 and X3 on Unit 3.
6. Connect 450 V INPUT A to X1 and H4 and X2 on Unit 1.
7. Connect 450 V INPUT B to X1 and H4 and X2 on Unit 2.
8. Connect 450 V INPUT C to X1 and H4 and X2 on Unit 3.
9. Join H2 and H3 on each unit.
10. Connect INPUT and OUTPUT N to H1 on Unit 1.
11. Bridge N connections between all units.

BASE: 3 x TX-B3-030K-115216 | 3000 VA each

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



**Drawing: LOW VOLTAGE = 450 V INPUT; HIGH VOLTAGE = 480 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.

A supply neutral is required and must be carried through; no neutral is created.