



A DIVISION OF TRANSFACTOR INDUSTRIES INC.
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ENERGY EFFICIENT TRANSFORMER

- 3 Phase Isolation
- Dry Type
- ANN Self Cooled

Purchaser: PHILIPS BROTHERS ELEC. CONTRACTORS INC
PO#: 42648
SWO#: W005305
Qty: 2

Drawing for Record

This drawing is a record of our final design for the noted order number.

Coils: Aluminum
Cat. No.: BA300T-P/E3R/Z3
Product Type: DB300

kVA: 300
Primary: 2400 Delta Volts
Secondary: 480 Y/277 Volts
Primary Taps: 2.5 %
-Taps FCAN 2
-Taps FCBN 2

Frequency: 60 Hz

Primary BIL: 30 kV
Secondary BIL: 10 kV

Insulation Class: 220 °C
Temperature Rise: 150 °C
Impedance: 4.0 %

Min. Efficiency: 98.93 %
(Calculated @ 50% Loaded)

Weight: 2419 Lbs

Windings	Location	Terminations
Primary @ Front	#6 AWG up to #2/0 AWG	Lugs: 2/0-6 AWG (1/Ph)
Secondary @ Front	By Customer	Pads*
Ground lug @ the base of enclosure: 4 ports 2/0-14 AWG		

*NEMA terminal connector dimensions (CC 1-2009 Annex C)

Wiring Connection:

Primary: H1-H2-H3
Voltage % Tap Links:
2520 105.0 1-2
2460 102.5 2-3
2400 100.0 3-4
2340 97.5 4-5
2280 95.0 5-6

Secondary: X0-X1-X2-X3
Voltage Phase
480 3
277 1

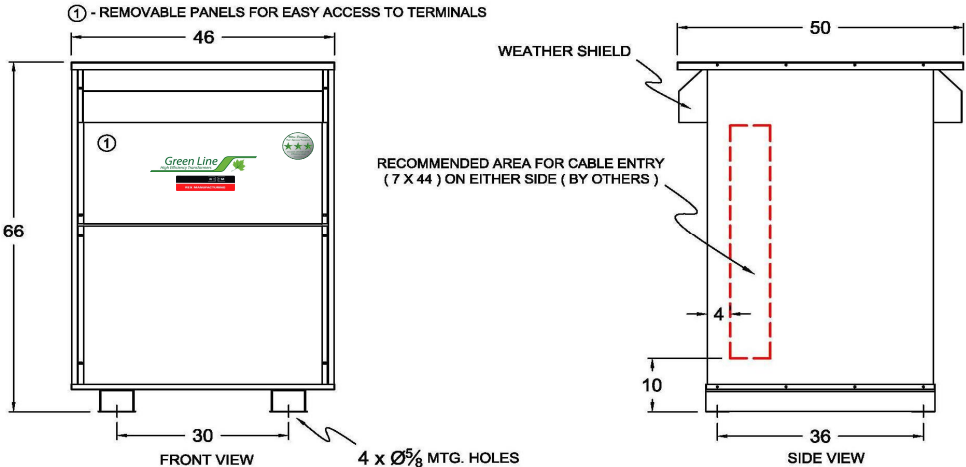
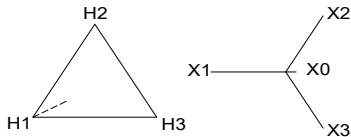
Connect Loads To:
X1-X2-X3
X0-X1, X0-X2,
and/or X0-X3

Standards:

- 1)- CSA Certified
- 2)- UL Listed

Standard Features:

- 1)- Anti-vibration pads installed between the enclosure base and the core & coil assembly
- 2)- Lug for Earth grounding provided
- 3)- Transformer meets NRCAN 2019 & DOE 2016 minimum efficiency level



CSA Enclosure:

- 1)- Type 3R (NEMA 3R)
- 2)- Ventilated
- 3)- ASA 61 grey
- 4)- Floor mounting

Rev.	Remarks	By	Appr. By	Date

Prepared by: AP
Approved by: VS
Date: DEC. 11, 2024