



A DIVISION OF TRANSFACTOR INDUSTRIES INC.
65 BASALTIC RD, CONCORD, ON, CA L4K 1G4
TEL: 905-695-8844 • FAX: 905-695-8855
WWW.REXPOWERMAGNETICS.COM

ENERGY EFFICIENT TRANSFORMER

- 3 Phase Isolation
- Dry Type
- ANN Self Cooled

Purchaser: PHILIPS BROTHERS ELEC. CONTRACTORS, INC
PO#: 42456
SWO#: W001431
Qty: 2

Drawing for Record

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

Coils: Aluminum
Cat. No.: BA500U-P/E3R/Z3
Product Type: DB500

kVA: 500
Primary: 4160 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: 5.0 %

Min. Efficiency: 99.09 %
(Calculated @ 50% Loaded)

Weight: 4224 Lbs

Windings	Location	Terminations
Primary	Front	Pads*
Secondary	Back	Pads*

Ground lugs @ the base of enclosure: 1X 300MCM-6 + 4 ports 2/0-14 AWG

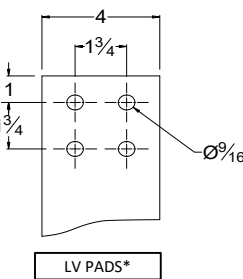
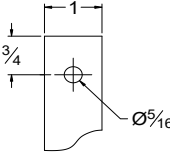
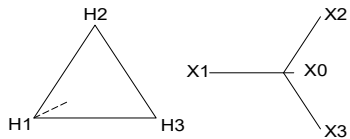
*NEMA terminal connector dimensions (CC 1-2009 Annex C)

Wiring Connection:

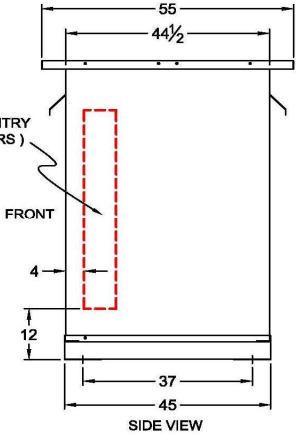
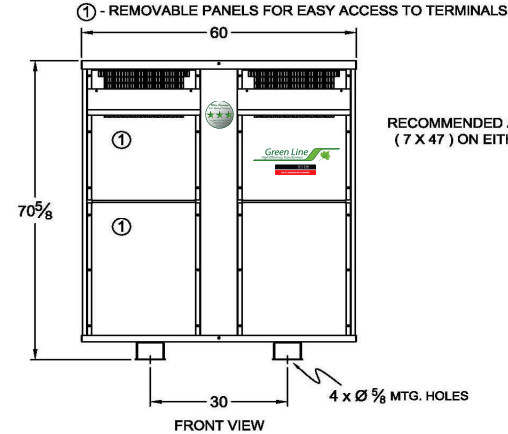
Primary:	H1-H2-H3	Links:
Voltage	% Tap	1-2
4368	105.0	2-3
4264	102.5	3-4
4160	100.0	4-5
4056	97.5	5-6
3952	95.0	

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



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



Rev.	Remarks	By	Appr. By	Date
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Prepared by: AP
Approved by: VS
Date: DEC. 13, 2023