



**REX POWER MAGNETICS**

A DIVISION OF TRANSFACTOR INDUSTRIES INC.  
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**ENERGY EFFICIENT TRANSFORMER**

- 3 Phase Isolation
- Dry Type
- ANN Self Cooled
- Suitable for Nonsinusoidal Current Load with a K-Factor not to exceed 4

Purchaser: TBA  
 PO#: TBA  
 SWO#: TBA  
 Qty: TBA

Coils: Copper  
 Cat. No.: BC500H-M/K4/T115/Z3

kVA: 500  
 Primary: 480 Delta Volts  
 Secondary: 208 Y/120 Volts  
 Primary Taps: 2.5 %  
 -Taps FCAN 2  
 -Taps FCBN 2

Frequency: 60 Hz

BIL: 10 kV  
 Insulation Class: 220 °C  
 Temperature Rise: 115 °C  
 Impedance: 5.0 - 6.0 %

Min.Efficiency: 99.14 %  
 -Calculated @ 35% Loaded

Weight: 3590 Lbs

Termination	Location	Terminals
Primary:	Front	Pads
Secondary:	Back	Pads

**Wiring Connection:**

Primary:	H1-H2-H3	Links:
Voltage	% Tap	
504	105.0	1-2
492	102.5	2-3
480	100.0	3-4
468	97.5	4-5
456	95.0	5-6

Secondary:	X0-X1-X2-X3	Connect Loads To:
Voltage	Phase	
208	3	X1-X2-X3
120	1	X0-X1, X0-X2, and/or X0-X3

**Preliminary Drawing ONLY**

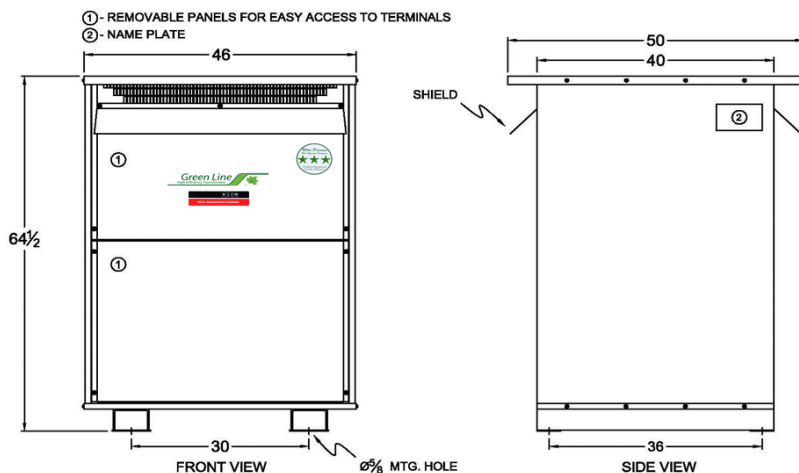
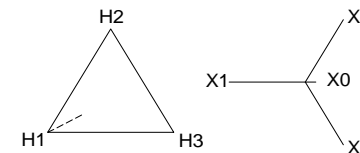
This drawing may NOT truly reflect our final design. Any resulting order(s) must be accompanied by or refer to this drawing and be marked with any proposed changes

**Standards:**

1. CSA Certified  
- File No. LR34493
2. UL Listed  
- File No. E108255

**Standard Features:**

1. Anti-vibration pads installed between the enclosure base and the core & coil assembly
2. Lug for Earth grounding provided
3. Neutral rated 200% of the line terminals
4. Seismic rated for USA zone 4 and Canada zone 6
5. Transformer meets DOE 2016 efficiency level



**CSA Enclosure:**

1. Type 3R (NEMA 3R)  
- Sprinklerproof when the angle between sprinkler heads and opening in the enclosure does not exceed 45 degree from the vertical.
2. Ventilated
3. ASA 61 grey
4. Floor mounting

Rev.	Remarks	By	Appr. By	Date

Prepared by: AP  
 Approved by: VS  
 Date: OCT.15, 2015