



**REX POWER MAGNETICS**

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

- 3 Phase Isolation
- Dry Type
- ANN Self Cooled

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

Coils: Copper  
 Cat. No.: BC45J-M/Z

kVA: 45  
 Primary: 600 Delta Volts  
 Secondary: 208 Y/120 Volts  
 Primary Taps: 2.5 %  
 -Taps FCAN 2  
 -Taps FCBN 2

Frequency: 60 Hz  
 Sound Level: 45 dB Max.  
 BIL: 10 kV  
 Insulation Class: 220° C  
 Temperature Rise: 150° C  
 Impedance: 5.0 - 6.0 %

Min. Efficiency: 97.7 %  
 - Calculated @ 35% Loaded

Weight: 360 Lbs

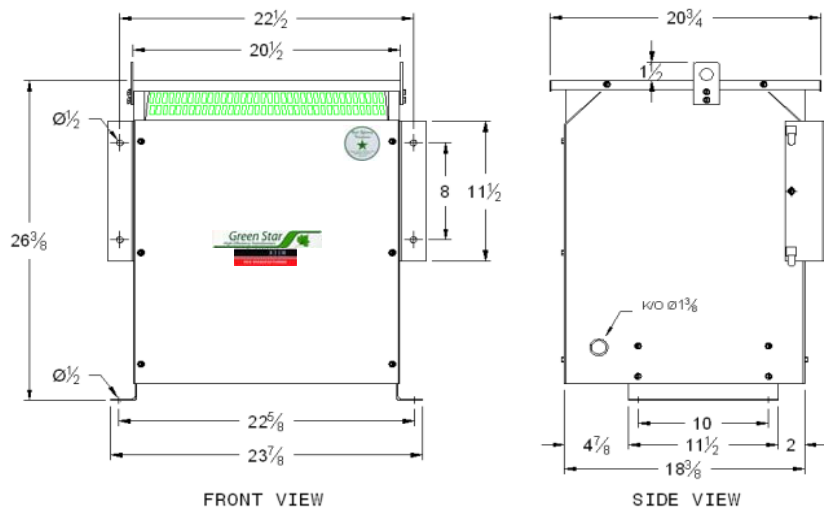
Termination	Location	Lug Size
Primary:	Front	2 AWG
Secondary:	Front	2/0 AWG

### Wiring Connection:

Primary:	H1-H2-H3	Primary Voltage	% Tap	Jumpers To:
630	105.0	615	102.5	1-1-1
600	100.0	585	97.5	2-2-2
570	95.0			3-3-3
				4-4-4
				5-5-5

Secondary:	X0-X1-X2-X3	Secondary Voltage	Phase
208	3	120	1

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

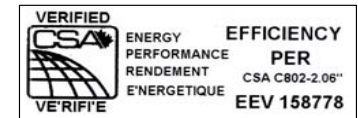


## Preliminary Drawing ONLY

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

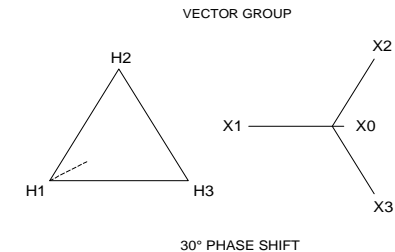
Standards:

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. Ground lug provided
3. Transformer meets Efficiency per CSA C802.2
4. Transformer meets NEMA TP-1 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/Wall mounting

2	Updated Logo & Enclosure Dimension	AP	VS	Mar.26, 2012
1	Updated Standard Features	SA	VS	Oct. 26, 2010
REV#	Remarks	BY	Approved By	DATE

Prepared by: SA  
 Approved by: VS  
 Date: OCT 26 2010