



REX POWER MAGNETICS

DIVISION OF TRANSFACTOR INDUSTRIES INC.  
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## ENERGY EFFICIENT TRANSFORMER

-Single Phase Isolation Transformer  
-ANN Self- Cooled

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

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.

Coils: Copper Wound  
 Cat. No.: SC37J-K/Z

kVA: 37.5  
 Primary: 600 Volts  
 Secondary: 120/240 Volts  
 Primary Taps: 2.5 %  
 -Taps FCAN 2  
 -Taps FCBN 2

Frequency: 60 Hz

Insulation Class: 220° C  
 Temperature Rise: 150° C

BIL: 10 kV

Min. Efficiency: 98.2 %  
 -Calculated @ 35% Loaded

Impedance: 4.5 - 5.5 %  
 Weight: 330 Lbs

Termination	Location	Lug Size
Primary:	Front	2-14 AWG
Secondary:	Front	6-300 MCM

### Wiring Connection:

#### Primary:

Voltage	% Tap	Connect Lines To:
630	105.0	H5 - H6
615	102.5	H4 - H5
600	100.0	H3 - H4
585	97.5	H2 - H3
570	95.0	H1 - H2

#### Secondary:

Voltage	Interconnect:	Connect Loads To:
240	X2 To X3	X1-X4
120	X1 To X3 X2 To X4	X1-X4
120/240	X2 To X3	X1-X2-X4 ( X2 is a Neutral )

### Standards:

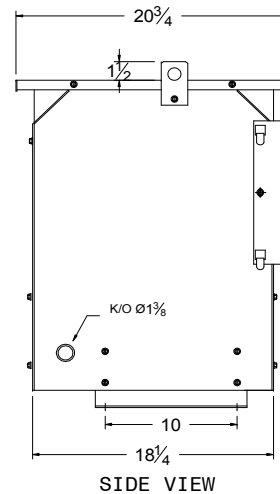
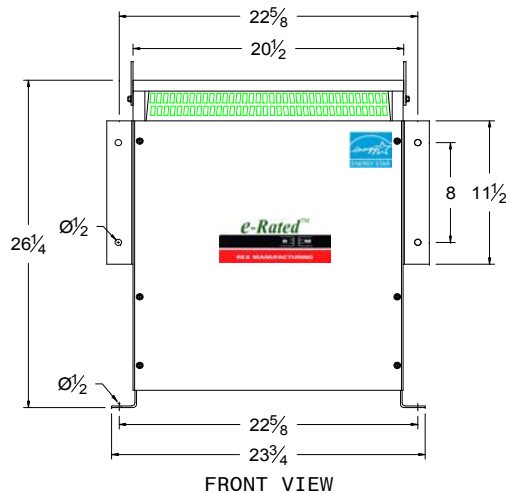
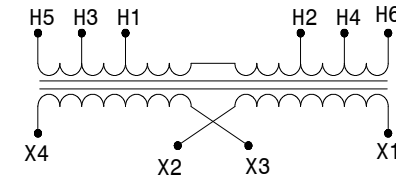
1. CSA Certified  
- File No. LR34493
2. UL Listed  
- File No. E108255

### Standard Features:

1. Anti-Vibration pads installed between the enclosure base and the core & coil assembly
2. Ground lug provided

### Special Features:

1. Transformer meets Efficiency per CSA C802.2-06
2. Transformer meets NEMA TP-1-2002 Efficiency



### CSA Enclosure:

1. Type 2 (NEMA 2)  
- Sprinklerproof when the angle between sprinkler heads and opening in the enclosure does Not exceed 45 degree from the vertical.
2. Indoor Ventilated
3. ASA 61 Grey
4. Floor/Wall Mounting

Prepared by: AP  
Approved by: VS  
Date: NOV.13, 2008