



DIVISION OF TRANSFACTOR INDUSTRIES INC.  
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## ENERGY EFFICIENT TRANSFORMER

-Single Phase Isolation Transformer  
 -ANN Self- Cooled

**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.: SC15H-K/Z

kVA: 15  
 Primary: 480 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: 97.7 %  
 -Calculated @ 35% Loaded

Impedance: 4.5 - 5.5 %  
 Weight: 170 Lbs

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

### Wiring Connection:

Primary:		
Voltage	% Tap	Connect Lines To:
504	105.0	H5 - H6
492	102.5	H4 - H5
480	100.0	H3 - H4
468	97.5	H2 - H3
456	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:

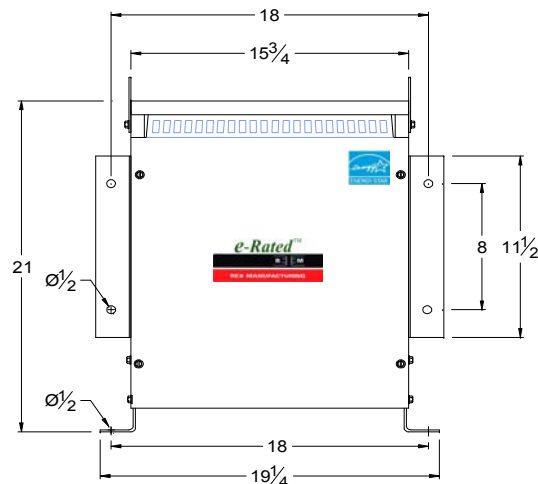
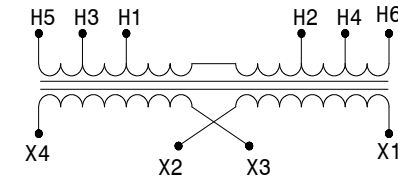
1. CSA Certified  
 - File No. LR34493
2. UL Listed  
 - File No. E108255

### Standard Features:

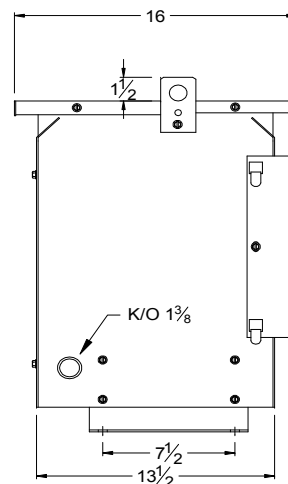
1. Anti-Vibration pads installed between the enclosure base and the core & coil assembly
2. Ground lug provided

### Special Features:

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



FRONT VIEW



SIDE VIEW

### 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.12, 2008