



REX POWER MAGNETICS

DIVISION OF TRANSFACTOR INDUSTRIES INC.  
25 BAYWOOD RD. REXDALE, ONTARIO M9V 3Y8  
PHONE: (416) 747-7818 - FAX: (416) 747-1956  
www.RexPowerMagnetics.com

### ENERGY EFFICIENT TRANSFORMER

- 3 Phase Isolation
- Dry Type
- 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: Aluminum Wound  
 Cat. No.: BA450HM/Z

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

KVA: 450  
 Primary: 480 Delta Volt  
 Secondary: 208 Y/120 Volt

Termination	Location	Terminals
Primary:	Front	BUS
Secondary:	Back	BUS

Primary Taps: 2.5 %  
 -Taps FCAN 2  
 -Taps FCBN 2

Wiring Connection:

Primary:	H1-H2-H3	Voltage	% Tap	Linked
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		

Frequency: 60 Hz  
 Sound Level: 55 dB Max.

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

BIL: 10 kV

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

Min. Efficiency: 98.6 %  
 - Calculated @ 35% Loaded

Impedance: 5.0 - 6.0 %  
 Weight: 2500 Lbs

#### Standards:

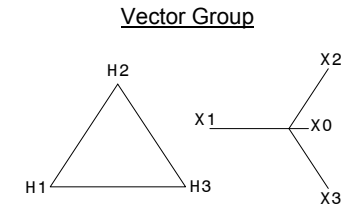
1. CSA Certified  
- File No. LR34493
2. UL Listed  
- File No. E108255

#### Standard Features:

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

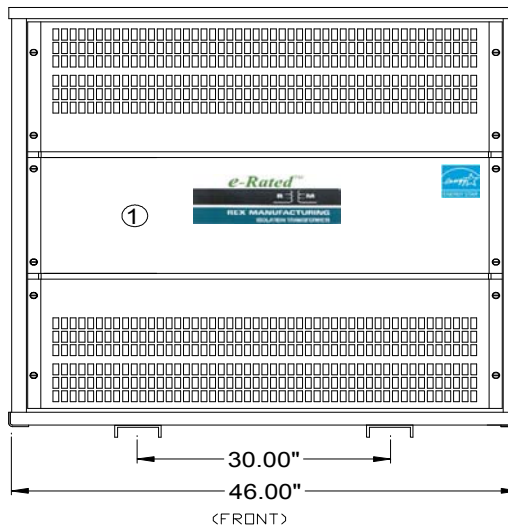
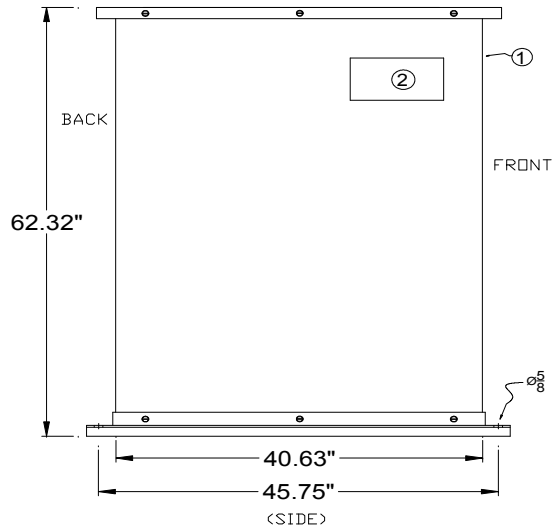
#### Special Features:

1. Transformer meets efficiency per CSA C802.2
2. Transformer meets NEMA TP-1-1996 efficiency



30 Degree Phase Shift

- ① -REMOVABLE PANELS FOR EASY ACCESS TO TERMINALS
- ② -NAME PLATE



#### CSA Enclosure:

1. Type 2 (NEMA 2)
2. Indoor Ventilated
3. ASA 61 Grey
4. Floor Mounting

Prepared by: AP  
 Approved by: VS  
 Date: May 9, 2007