



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.: BC500J-M/K4/T80/Z3

kVA: 500
 Primary: 600 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: 80 °C
 Impedance: 6.0 - 7.0 %

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

Weight: 4320 Lbs

| Termination | Location | Terminals |
|-------------|----------|-----------|
| Primary: | Front | Pads |
| Secondary: | Back | Pads |

Wiring Connection:

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

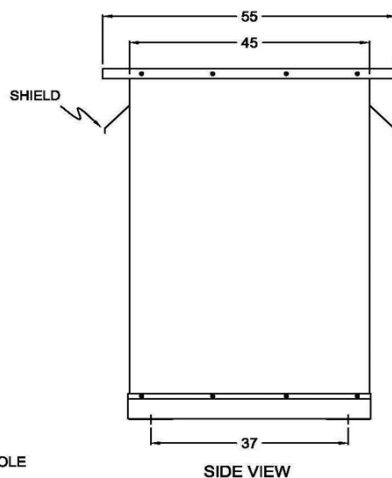
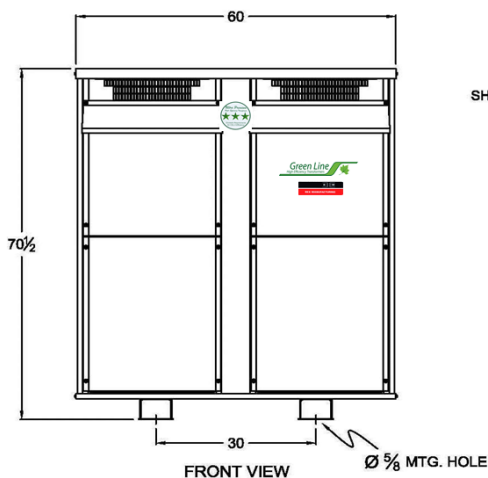
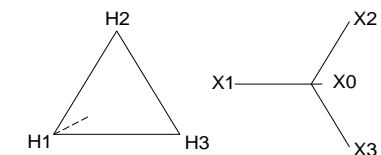
This drawing may NOT truly reflect our final design. Any resulting order(s) must be accompanied by or refer to this drawing and be marked with any proposed changes

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: RG
 Approved by: VS
 Date: NOV.25, 2015