



TRANSFORMER SPECIFICATION

- 3 Phase Drive Isolation
- Dry Type
- ANN Self Cooled
- Suitable for Nonsinusoidal Current Load with a K-Factor not to exceed 4

Drawing for Record

This drawing is a record of our final design for the noted order number.

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

| Windings | For Cable Size | Terminations |
|------------------------------------|---------------------|-----------------------|
| Primary @ Front | By Customer | Pads* |
| Secondary @ Front | #6 AWG up to 300MCM | Lugs: 300MCM-6 (1/Ph) |
| Ground lug @ the base of enclosure | | 2-14 AWG |

*NEMA terminal connector dimensions (CC 1-2009 Annex C)

Wiring Connection:

Primary:

| Voltage | Jumpers To: | Connect Lines To: |
|---------|-------------|-------------------|
| 480 | 1-1-1 | H1-H2-H3 |
| 240 | 2-2-2 | H1-H2-H3 |
| 208 | 3-3-3 | H1-H2-H3 |

Secondary:

| Voltage | % Tap | Connect Loads To: |
|----------|-------|-------------------|
| 420Y/242 | 105.0 | X0-X1-X2-X3 |
| 400Y/231 | 100.0 | X0-X4-X5-X6 |
| 380Y/220 | 95.0 | X0-X7-X8-X9 |

Note: Secondary is fully rated - only one can be used at a time

Coils: Aluminum
 Cat. No.: DA145X-N1/FE
 RPN#: DA145HCB-N1/X/FE

kVA: 145
 Primary: 480/240/208 Delta Volts
 Secondary: 400 Y/231 Volts

Secondary Taps: 5 %
 -Taps FCAN 1
 -Taps FCBN 1

Frequency: 60 Hz

BIL: 10 kV
 Insulation Class: 220 °C
 Temperature Rise: 150 °C
 Impedance: 4.0 - 5.0 %

Weight: 1215 Lbs

Standards:

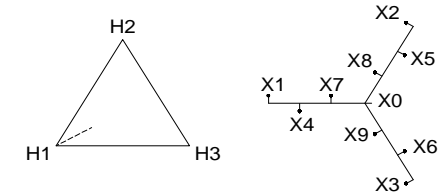
- 1)- CSA Certified File No. LR34493
- 2)- UL Listed File No. E108255

Standard Features:

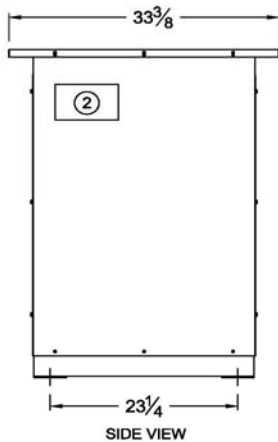
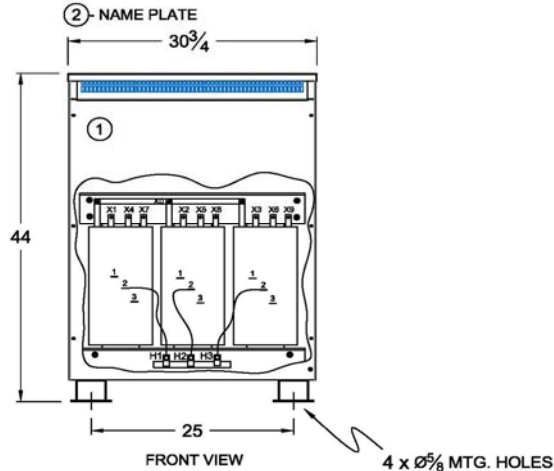
- 1)- Anti-vibration pads installed between the enclosure base and the core & coil assembly
- 2)- Lug for Earth grounding provided
- 3)- Neutral rated 200% of the line terminals
- 4)- N/C 200°C thermostat installed at the centre coil
- 5)- Seismic rated for USA zone 4 and Canada zone 6

Special Features:

± 5% F.C. Secondary taps



① - REMOVABLE PANELS FOR EASY ACCESS TO TERMINALS



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 |
|------|------------------|----|----------|---------------|
| 1 | Height increased | AP | VS | July 29, 2019 |

Prepared by: AP
 Approved by: VS
 Date: APR. 17, 2015