



Don't Buy A Transformer  
Until You Call FARGO!  
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10205 Lopp Road  
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## TRANSFORMER SPECIFICATION

- 3 Phase Drive 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: Aluminum  
Cat. No.: DA51X-N1/FE  
RPN#: DA51HCB-N1/X/FE  
kVA: 51  
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 - 6.0 %  
Weight: Approx. 460 Lbs

| Windings                                               | For Cable Size        | Lugs Terminations |
|--------------------------------------------------------|-----------------------|-------------------|
| Primary @ Front                                        | #6 AWG up to 300MCM   | 300MCM-6 (1/Ph)   |
| Secondary @ Front                                      | #6 AWG up to #2/0 AWG | 2/0-6 AWG (1/Ph)  |
| Ground lug @ the base of enclosure: 4 ports 2/0-14 AWG |                       |                   |

### Wiring Connection:

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

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

## Drawing for Record

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

### Standards:

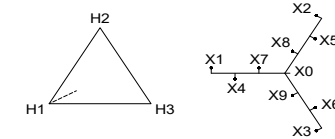
- 1)- CSA Certified File No. LR34493
- 2)- UL Listed File No. E108255

### 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

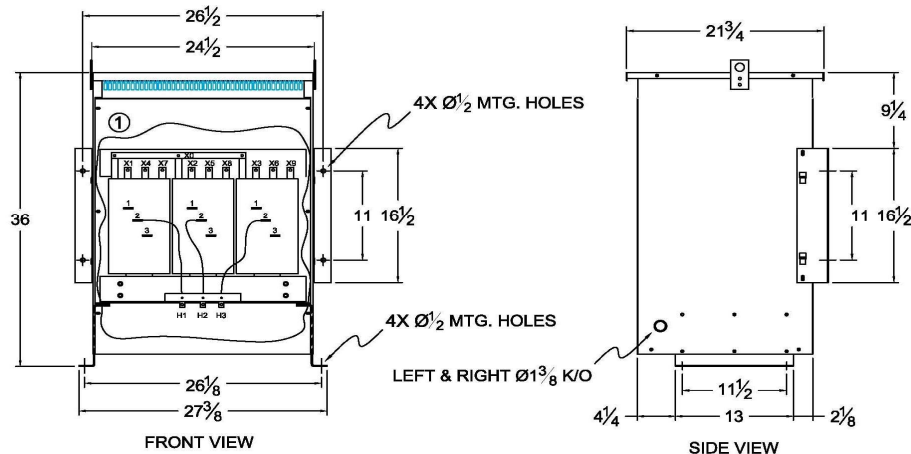
### Special Features:

X= ± 5% F.C. Secondary taps



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

### 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/Wall mounting

| Rev. | Updated Lug Size & Standard Features | AP | VS       | Jan. 28, 2025 |
|------|--------------------------------------|----|----------|---------------|
| 2    | Height increased                     | AP | VS       | July 29, 2019 |
| 1    | Remarks                              | By | Appr. By | Date          |

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