

DRY TYPE TRANSFORMERS UP TO 600 V PRIMARY

1. GENERAL

1.1 Section Includes

- .1 Materials and components for dry type transformers up to 600 V primary, equipment identification and transformer installation.

1.2 Related Sections

- .1 Section 26 05 00 - Common Work Results for Electrical.

1.3 References

- .1 Canadian Standards Association (CSA)
 - .1 CSA C9, Dry-Type Transformers.

2. PRODUCTS

2.1 Transformers

- .1 Submit product data in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Use transformers of one manufacturer throughout project and in accordance with CAN/CSA-C22.2 No.47.
- .3 Design 1.
 - .1 Type: ANN, K13 rated.
 - .2 3 phase, kVA rating as indicated 600 V input, 480 V output, 60 Hz.
 - .3 Voltage taps: standard.
 - .4 Insulation: 150 degrees C temperature rise.
 - .5 Copper windings
 - .6 Basic Impulse Level standard.
 - .7 Hipot: standard.
 - .8 Average sound level: standard
 - .9 Impedance at 17 degrees C: standard
 - .10 Enclosure: sprinkler shield.
 - .11 Mounting: floor or wall as indicated.
 - .12 Finish: in accordance with Section 26 05 00 - Common Work Results for Electrical.

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2.2 Equipment Identification

- .1 Provide equipment identification in accordance with Section 26 05 00 - Common Work Results for Electrical.
- .2 Label size: 100 mm x 50 mm.
- .3 Nameplate wording: As indicated on drawings.

3. EXECUTION

3.1 Installation

- .1 Mount dry type transformers up to 75 kVA from ceiling.
- .2 Mount dry type transformers above 75 kVA on floor
- .3 Ensure adequate clearance around transformer for ventilation.
- .4 Install transformers in level upright position.
- .5 Remove shipping supports only after transformer is installed and just before putting into service.
- .6 Loosen isolation pad bolts until no compression is visible.
- .7 Make primary and secondary connections in accordance with wiring diagram.
- .8 Energize transformers after installation is complete.

END OF SECTION