
Low Heat Loss Power Transformer Specification (Industrial Application)

1 General

1.1 This specification is for a low heat loss power transformer.

1.2 The ratings of the Transformer:

Nominal System Voltage, (Kv)..... 13.8
Maximum System Voltage, (Kv)..... 20

1.3 Ambient Air Temperature for design shall be as follows:

Average annual temperature.....Min -40 /Max 85 (degrees C)

2 Compliance with Standard & Codes

2.1 All applicable UL, ANSI, IEEE, CP, NEC, NEMA standards.

3 Transformer

3.1 The Transformer shall be designed, manufactured, and tested to meet and/or exceed all applicable NEMA and ANSI/IEEE standards. Transformers must be manufactured in North America.

3.2 The Transformer shall have a heat loss no greater than 80% that of an iron core Transformer.

4 Supplier Quality System

4.1 Supplier must allow factory audits to occur at mutually agreed upon dates between the customer and supplier.

5 Submittals

5.1 Upon issue of a purchase order, the supplier shall deliver a testable version of Transformer within the agreed upon time frame.
