TYPICAL TEST DATA

Dry Type Transformer

GE
Industrial Solutions
Large Power Transformers
41 Woodford Avenue
Plainville, CT 06062
www.geindustrial.com

GE MODEL #: 9T10C1009 Underwriters' Laboratories Inc. Listed

RATING

KVA	500	Conductor	CU
Frequency	60	Phase	3
Primary Voltage	480D +2, -2 (2.5% taps)	Secondary Voltage	208Y/120
Current Line Primary	601.41	Current Line Secondary	1387.86
Frame	DX79C	Insulation System	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rice (°C)	150	Average Sound Level (dB)	60

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	758.0
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts)	7,454.5
Total Loss @ Rise + 20C reference (Watts)	8,212.5

DIELECTRIC AND PRODUCTION TESTING

Induce Test @ Twice rated voltage 400 Hz per UL1561 and NEMA ST-20

Hipot Test for High Voltage winding to Low Voltage and Ground @ 4000 volts 60 Hz 60 Sec

Hipot Test for Low Voltage winding to High Voltage and Ground @ 2500 volts 60 Hz 60 Sec

Polarity additive in accordance with UL1561 and NEMA ST-20

EFFICIENCY

DoE 2016 (10CFR 431) Efficiency Level calculated per NEMA TP-1

Load (%)	Efficiency (%)
16	98.88
25	99.11
35	99.14
50	99.13
75	98.94
100	98.71

IMPEDANCE

Impedance at reference temperature of Rise + 20C (Calculated).

%R	1.5
%X	5.4
%Z	5.6
X/R Ratio	3.6

REGULATION

Regulation at reference temperature of Rise + 20C (Calculated).

PF	Regulation (%)
1.0	1.6
0.9	3.8
0.8	4.5

REFERENCE VALUES:

Inrush Current (Calculated). t= 8.33ms

Imax(RMS) = 4887.90