



TYPICAL TEST DATA

Dry Type Transformer

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

GE MODEL #: **9T10A1009**

Underwriters' Laboratories Inc. Listed

RATING

KVA	500	Conductor	AL
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	DY79A	Insulation System	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rise (°C)	150	Average Sound Level (dB)	60

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	698.5
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts)	<u>8,684.5</u>
Total Loss @ Rise + 20C reference (Watts)	9,383.0

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	98.93
25	99.12
35	99.14
50	99.07
75	98.84
100	98.57

IMPEDANCE

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

%R	1.9
%X	4.7
%Z	5.1
X/R Ratio	2.5

REGULATION

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

PF	Regulation (%)
1.0	1.5
0.9	3.2
0.8	3.8

REFERENCE VALUES:

Inrush Current (Calculated).	t= 8.33ms
I _{max} (RMS) =	7232.89