



TYPICAL TEST DATA

Dry Type Transformer

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

GE MODEL #: **9T10A1007**

Underwriters' Laboratories Inc. Listed

RATING

KVA	225	Conductor	AL
Frequency	60	Phase	3
Primary Voltage	480D +2, -4 (2.5% taps)	Secondary Voltage	208Y/120
Current Line Primary	270.63	Current Line Secondary	624.54
Frame	DY77A	Insulation System	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rise (°C)	150	Average Sound Level (dB)	55

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	377.2
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts)	<u>5,080.9</u>
Total Loss @ Rise + 20C reference (Watts)	5,458.1

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	98.70
25	98.92
35	98.94
50	98.83
75	98.52
100	98.17

IMPEDANCE

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

%R	2.3
%X	4.7
%Z	5.2
X/R Ratio	2.1

REGULATION

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

PF	Regulation (%)
1.0	2.4
0.9	4.5
0.8	5.1

REFERENCE VALUES:

Inrush Current (Calculated).	t= 8.33ms
I _{max} (RMS) =	1850.52