



# TYPICAL TEST DATA

## Dry Type Transformer

GE  
 Industrial Solutions  
 Large Power Transformers  
 41 Woodford Avenue  
 Plainville, CT 06062  
[www.geindustrial.com](http://www.geindustrial.com)

GE MODEL #: **9T10A1003**

Underwriters' Laboratories Inc. Listed

### RATING

KVA	45	Conductor	AL
Frequency	60	Phase	3
Primary Voltage	480D +2, -4 (2.5% taps)	Secondary Voltage	208Y/120
Current Line Primary	54.13	Current Line Secondary	124.91
Frame	UY73A	Insulation System	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rise (°C)	150	Average Sound Level (dB)	45

### LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	120.6
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts)	<u>1,444.2</u>
Total Loss @ Rise + 20C reference (Watts)	1,564.8

### 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	98.00
25	98.38
35	98.40
50	98.35
75	97.97
100	97.51

### IMPEDANCE

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

%R	3.2
%X	2.8
%Z	4.3
X/R Ratio	0.9

### REGULATION

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

PF	Regulation (%)
1.0	3.2
0.9	4.1
0.8	4.2

### REFERENCE VALUES:

Inrush Current (Calculated).	t= 8.33ms
I <sub>max</sub> (RMS) =	888.91