



TYPICAL TEST DATA

Dry Type Transformer

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

GE MODEL #: **9T10C1002**

Underwriters' Laboratories Inc. Listed

RATING

KVA	30	Conductor	CU
Frequency	60	Phase	3
Primary Voltage	480D +2, -4 (2.5% taps)	Secondary Voltage	208Y/120
Current Line Primary	36.08	Current Line Secondary	83.27
Frame	UX72C	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)	92.0
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts)	<u>986.5</u>
Total Loss @ Rise + 20C reference (Watts)	1,078.5

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	97.76
25	98.22
35	98.23
50	98.24
75	97.87
100	97.41

IMPEDANCE

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

%R	3.3
%X	2.1
%Z	3.9
X/R Ratio	0.6

REGULATION

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

PF	Regulation (%)
1.0	3.3
0.9	3.9
0.8	3.9

REFERENCE VALUES:

Inrush Current (Calculated).	t= 8.33ms
I _{max} (RMS) =	516.87