ABB Inc.
305 Gregson Drive
Cary, NC 27511
electrification.us.abb.com

TYPICAL TEST DATA

LV Dry Type Transformer

Industrial Solutions

MODEL #: 9T10A1004G61 Underwriters' Laboratories Inc. Listed

RATINGS

KVA	75	Conductor	AL
Frequency (Hz)	60	Phase	3
Primary Voltage	480D+2,-4(2.5%taps)	Secondary Voltage	208Y/120
Current Line Primary (A)	90.21	Current Line Secondary (A)	208.18
Frame	PROTO	Insulation System (°C)	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rise (°C)	80	Average Sound Level (dB)	50

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	266.0
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	923.1
Total Loss @ Rise + 20 °C reference (Watts)	1,189.1

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

Load (%)	Efficiency (%)
16	97.66
25	98.34
35	98.60
50	98.76
75	98.73
100	98.58

IMPEDANCE:

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

%R	1.2
%X	1.8
%Z	2.2
X/R Ratio	1.8

REGULATION:

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

Power Factor	Regulation (%)
1	2.6
0.9	4.5
0.8	5.0

REFERENCE VALUES:

Inrush Current (Calculated) t= 8.33ms

Imax(RMS) ≈ 2384.97 A

by ABB