

# TYPICAL TEST DATA

## LV Dry Type Transformer



**MODEL #: 9T10A1302G03**

**Underwriters Laboratories Inc. Listed**

### RATINGS

KVA	750	Conductor	AL
Frequency (Hz)	60	Phase	3
Primary Voltage	480 (+2/-2 @2.5%)	Secondary Voltage	208Y/120
Current Line Primary (A)	902	Current Line Secondary (A)	2082
Frame	DY67A	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	64
Temp. Rise (°C)	150	Efficiency standards	CSA 2018 (C802.2-18) & DoE 2016 (10CFR 431)
Electrostatic shield	Copper (Single)		

### LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	701.3
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>13,913.1</u>
Total Loss @ Rise + 20 °C reference (Watts)	14,614.4

### 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:

CSA 2018 (C802.2-18) & DoE 2016 (10CFR 431) efficiency levels

<u>Load (%)</u>	<u>Efficiency (%)</u>
16	99.19
25	99.26
35	99.23
50	99.09
75	98.79
100	98.46

### IMPEDANCE:

Impedance at reference temperature of Rise + 20 °C

%R	1.9
%X	6.1
%Z	6.4
X/R Ratio	3.21

### REGULATION:

Regulation at reference temperature of Rise + 20 °C

<u>Power Factor</u>	<u>Regulation (%)</u>
1	2.1
0.9	4.5
0.8	5.2

### REFERENCE VALUES:

Peak Inrush Current	
I <sub>max</sub> @8.33 ms (A RMS)≈	6684
I <sub>max</sub> @ 100 ms (A RMS)≈	2377