

# TYPICAL TEST DATA

## LV Dry Type Transformer



**MODEL #: 9T33C2673G15**

**Underwriters Laboratories Inc. Listed**

### RATINGS

KVA	50	Conductor	CU
Frequency (Hz)	60	Phase	1
Primary Voltage	240X480 (+1/-2 @5%)	Secondary Voltage	120/240
Current Line Primary (A)	104.20	Current Line Secondary (A)	208.30
Frame	XV173	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	45
Temp. Rise (°C)	115	Efficiency standards	CSA 2018 (C802.2-18) & DoE 2016 (10CFR 431)
Electrostatic shield	None		

### LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	150.8
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>1,149.1</u>
Total Loss @ Rise + 20 °C reference (Watts)	1,299.9

### 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) efficiency levels

<u>Load (%)</u>	<u>Efficiency (%)</u>
16	97.85
25	98.33
35	98.48
50	98.45
75	98.17
100	97.80

### IMPEDANCE:

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

%R	2.30
%X	4.00
%Z	4.60
X/R Ratio	1.74

### REGULATION:

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

<u>Power Factor</u>	<u>Regulation (%)</u>
1	2.40
0.9	3.90
0.8	4.30

### REFERENCE VALUES:

Peak Inrush Current (Calculated)  
 I<sub>max</sub> @8.33 ms (A RMS)≈ 2041.4  
 I<sub>max</sub> @ 100 ms (A RMS)≈ 876.5