

# TYPICAL TEST DATA

## LV Dry Type Transformer



**MODEL #: 9T33C2671G80**

**Underwriters Laboratories Inc. Listed**

### RATINGS

KVA	25	Conductor	CU
Frequency (Hz)	60	Phase	1
Primary Voltage	240 (+1/-2 @5%)	Secondary Voltage	120
Current Line Primary (A)	52	Current Line Secondary (A)	104
Frame	YF172	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	45
Temp. Rise (°C)	80	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)	119.6
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>470.3</u>
Total Loss @ Rise + 20 °C reference (Watts)	589.9

### 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:

DOE-2016 and CSA 2018 efficiency levels

<u>Load (%)</u>	<u>Efficiency (%)</u>
16	96.83
25	97.70
35	98.06
50	98.20
75	98.08
100	97.82

### IMPEDANCE:

Impedance at reference temperature of Rise + 20 °C

%R	1.9
%X	3.4
%Z	3.8
X/R Ratio	1.79

### REGULATION:

Regulation at reference temperature of Rise + 20 °C

<u>Power Factor</u>	<u>Regulation (%)</u>
1	2.0
0.9	3.2
0.8	3.6

### REFERENCE VALUES:

Peak Inrush Current	
Imax @8.33 ms (A RMS)≈	292
Imax @ 100 ms (A RMS)≈	71