

# TYPICAL TEST DATA

## LV Dry Type Transformer



**MODEL #: 9T33A2670**

**Underwriters Laboratories Inc. Listed**

### RATINGS

KVA	15	Conductor	AL
Frequency (Hz)	60	Phase	1
Primary Voltage	240 (+1/-2 @5%)	Secondary Voltage	120
Current Line Primary (A)	31	Current Line Secondary (A)	63
Frame	YF171	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	45
Temp. Rise (°C)	150	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)	71.2
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>518.4</u>
Total Loss @ Rise + 20 °C reference (Watts)	589.6

### 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	96.72
25	97.51
35	97.77
50	97.79
75	97.46
100	96.99

### IMPEDANCE:

Impedance at reference temperature of  
Rise + 20 °C

%R	3.5
%X	3.2
%Z	4.7
X/R Ratio	0.91

### REGULATION:

Regulation at reference temperature of  
Rise + 20 °C

<u>Power Factor</u>	<u>Regulation (%)</u>
1	3.5
0.9	4.6
0.8	4.7

### REFERENCE VALUES:

Peak Inrush Current	
I <sub>max</sub> @8.33 ms (A RMS)≈	36
I <sub>max</sub> @ 100 ms (A RMS)≈	8