

**TYPICAL TEST DATA**  
**LV Dry Type Transformer**



**MODEL #:** **9T33A2674**

Underwriters' Laboratories Inc. Listed

**RATINGS**

KVA	75	Conductor	AL
Frequency (Hz)	60	Phase	1
Primary Voltage	480/240 +2/-4 X 2.5% (S)	Secondary Voltage	240/120
Current Line Primary (A)	156.25	Current Line Secondary (A)	312.50
Frame	YX174	Insulation System (°C)	220C
K Factor	1	Efficiency level (FR 431) / CSA-C802.2-18	
Temp. Rise (°C)	150	Average Sound Level (dB)	50

**LOSS DATA @ 100% LOAD**

Core Loss or No Load Loss @ 100% voltage (Watts)	206.4
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>2,187.5</u>
Total Loss @ Rise + 20 °C reference (Watts)	2,394.0

**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) and CSA-C802.2-18  
 Efficiency Level

<u>Load (%)</u>	<u>Efficiency (%)</u>
16	97.98
25	98.39
35	98.50
50	98.41
75	98.07
100	97.65

**IMPEDANCE:**

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

%R	2.9
%X	5.3
%Z	6.0
X/R Ratio	1.8

**REGULATION:**

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

<u>Power Factor</u>	<u>Regulation (%)</u>
1	3.2
0.9	5.3
0.8	5.9

**REFERENCE VALUES:**

Inrush Current (Calculated)	t= 8.33ms
I <sub>max</sub> (RMS)	≈ 200 A