

## TYPICAL TEST DATA

### LV Dry Type Transformer



**MODEL #:** **9T33C2671**

Underwriters' Laboratories Inc. Listed

### RATINGS

KVA	25	Conductor	CU
Frequency (Hz)	60	Phase	1
Primary Voltage	480/240 +2/-4 X 2.5% (S)	Secondary Voltage	240/120
Current Line Primary (A)	52.08	Current Line Secondary (A)	104.17
Frame	YF171	Insulation System (°C)	220C
K Factor	1	Efficiency level (FR 431) / CSA-C802.2-18	
Temp. Rise (°C)	150	Average Sound Level (dB)	45

### LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	98.8
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	<u>810.2</u>
Total Loss @ Rise + 20 °C reference (Watts)	909.0

### 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	97.22
25	97.85
35	98.00
50	98.02
75	97.69
100	97.23

### IMPEDANCE:

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

%R	3.2
%X	3.0
%Z	4.4
X/R Ratio	0.9

### REGULATION:

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

<u>Power Factor</u>	<u>Regulation (%)</u>
1	3.4
0.9	4.4
0.8	4.6

### REFERENCE VALUES:

Inrush Current (Calculated)	t= 8.33ms
I <sub>max</sub> (RMS)	≈ 65 A