

TYPICAL TEST DATA

LV Dry Type Transformer



MODEL #: **9T33C2674**

Underwriters' Laboratories Inc. Listed

RATINGS

KVA	75	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)	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>1,898.8</u>
Total Loss @ Rise + 20 °C reference (Watts)	2,105.2

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	98.02
25	98.45
35	98.50
50	98.53
75	98.25
100	97.89

IMPEDANCE:

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

%R	2.5
%X	5.3
%Z	5.9
X/R Ratio	2.1

REGULATION:

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

<u>Power Factor</u>	<u>Regulation (%)</u>
1	2.7
0.9	4.9
0.8	5.5

REFERENCE VALUES:

Inrush Current (Calculated)	t= 8.33ms
I _{max} (RMS)	≈ 200 A