

TYPICAL TEST DATA
LV Dry Type Transformer



MODEL #: **9T33A2671**

Underwriters' Laboratories Inc. Listed

RATINGS

KVA	25	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)	52.08	Current Line Secondary (A)	104.17
Frame	YX171	Insulation System (°C)	220C
K Factor	1	Efficiency level	DoE 2016(10CFR 431)
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>852.2</u>
Total Loss @ Rise + 20 °C reference (Watts)	951.0

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) Efficiency Level

<u>Load (%)</u>	<u>Efficiency (%)</u>
16	97.20
25	97.83
35	98.00
50	97.97
75	97.61
100	97.13

IMPEDANCE:

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

%R	3.4
%X	3.9
%Z	5.2
X/R Ratio	1.1

REGULATION:

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

<u>Power Factor</u>	<u>Regulation (%)</u>
1	3.6
0.9	5.0
0.8	5.4

REFERENCE VALUES:

Inrush Current (Calculated)	t = 8.33ms
I _{max} (RMS)	≈ 65 A