ABB Inc.
305 Gregson Drive
Cary, NC 27511
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TYPICAL TEST DATA
LV Dry Type Transformer

MODEL #: 9T10A2400

Underwriters Laboratories Inc. Listed

RATINGS

KVA	750	Conductor	AL
Frequency (Hz)	60	Phase	3
Primary Voltage	600 (+2/-2 @2%)	Secondary Voltage	208Y/120
Current Line Primary (A)	722	Current Line Secondary (A)	2082
Frame	DY67A	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	64
Temp. Rise (°C)	150	Efficiency standards	CSA 2018 (C802.2-18)
Electrostatic shield	None		& DoE 2016 (10CFR 431)

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	701.3
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	13,477.5
Total Loss @ Rise + 20 °C reference (Watts)	14,178.8

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) & DoE 2016 (10CFR 431) efficiency levels

Load (%)	Efficiency (%)
16	99.19
25	99.27
35	99.24
50	99.11
75	98.82
100	98.50

IMPEDANCE:

Impedance at reference temperature of Rise + 20 °C

%R	1.8
%X	5.6
%Z	5.9
X/R Ratio	3.11

REGULATION:

Regulation at reference temperature of Rise + 20 °C

Power Factor	Regulation (%)
1	2.0
0.9	4.2
0.8	4.9

REFERENCE VALUES:

Peak Inrush Current

Imax @8.33 ms (A RMS)≈	5633
Imax @ 100 ms (A RMS)≈	2114

All values and calculations are based on design data.

Revision: 0