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

MODEL #: 9T33A2672G14

Underwriters Laboratories Inc. Listed

RATINGS

KVA	37.5	Conductor	AL
Frequency (Hz)	60	Phase	1
Primary Voltage	240 (+1/-2 @5%)	Secondary Voltage	120
Current Line Primary (A)	78	Current Line Secondary (A)	156
Frame	YF172	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	42
Temp. Rise (°C)	115	Efficiency standards	CSA 2018 (C802.2-18)
Electrostatic shield	Copper (Single)		& DoE 2016 (10CFR 431)

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	133.9
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	1,030.8
Total Loss @ Rise + 20 °C reference (Watts)	1,164.7

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 and CSA 2018 efficiency levels

Load (%)	Efficiency (%)
16	97.46
25	98.03
35	98.20
50	98.15
75	97.82
100	97.38

IMPEDANCE:

Impedance at reference temperature of Rise + 20 °C

%R	2.7
%X	5.4
%Z	6.0
X/R Ratio	2.00

REGULATION:

Regulation at reference temperature of Rise + 20 °C

Power Factor	Regulation (%)
1	2.8
0.9	4.9
0.8	5.4

REFERENCE VALUES:

Peak Inrush Current

Imax @8.33 ms (A RMS)≈	1230
Imax @ 100 ms (A RMS)≈	541

All values and calculations are based on design data.

Revision: 1