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

MODEL #: 9T33A2674G80

Underwriters Laboratories Inc. Listed

RATINGS

KVA	75	Conductor	AL
Frequency (Hz)	60	Phase	1
Primary Voltage	240X480 (+1/-2 @5%)	Secondary Voltage	120/240
Current Line Primary (A)	156.30	Current Line Secondary (A)	312.50
Frame	YF175	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	50
Temp. Rise (°C)	80	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)	233.8
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	1,250.4
Total Loss @ Rise + 20 °C reference (Watts)	1,484.2

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:

CSA 2018 (C802.2-18) efficiency levels

Load (%)	Efficiency (%)
16	97.85
25	98.39
35	98.58
50	98.62
75	98.44
100	98.16

IMPEDANCE:

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

%R	1.70
%X	4.10
%Z	4.40
X/R Ratio	2.41

REGULATION:

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

Power Factor	Regulation (%)
1	1.80
0.9	3.40
0.8	3.80

REFERENCE VALUES:

Peak Inrush Current (Calculated)

Imax @8.33 ms (A RMS)≈	81.3
Imax @ 100 ms (A RMS)≈	19.7