ABB Inc.
305 Gregson Drive
Cary, NC 27511
electrification.us.abb.com

TYPICAL TEST DATA
LV Dry Type Transformer

MODEL #: 9T33C2671G15

Underwriters Laboratories Inc. Listed

RATINGS

KVA	25	Conductor	CU
Frequency (Hz)	60	Phase	1
Primary Voltage	240X480 (+1/-2 @5%)	Secondary Voltage	120/240
Current Line Primary (A)	52.10	Current Line Secondary (A)	104.20
Frame	YX172	Insulation System (°C)	220
K Factor	1	Average Sound Level (dB)	45
Temp. Rise (°C)	115	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)	119.6
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	507.2
Total Loss @ Rise + 20 °C reference (Watts)	626.8

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) efficiency levels

Load (%)	Efficiency (%)
16	96.84
25	97.71
35	98.07
50	98.22
75	98.11
100	97.85

IMPEDANCE:

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

%R	2.00
%X	3.30
%Z	3.90
X/R Ratio	1.65

REGULATION:

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

Power Factor	Regulation (%)
1	2.10
0.9	3.30
0.8	3.60

REFERENCE VALUES:

Peak Inrush Current (Calculated)

Imax @8.33 ms (A RMS)≈	254.0
Imax @ 100 ms (A RMS)≈	61.3