ABB Inc.
305 Gregson Drive
Cary, NC 27511
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TYPICAL TEST DATA

LV Dry Type Transformer

Industrial Solutions

MODEL #: 9T33C2672

Underwriters' Laboratories Inc. Listed

RATINGS

KVA	37.5	Conductor	CU
Frequency (Hz)	60	Phase	1
Primary Voltage	480/240 +2/-4 X 2.5% (S)	Secondary Voltage	240/120
Current Line Primary (A)	78.12	Current Line Secondary (A)	156.25
Frame	YF172	Insulation System (°C)	220C
K Factor	1	Efficiency level	FR 431) / CSA-C802.2-18
Temp. Rise (°C)	150	Average Sound Level (dB)	45

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)	1,298.2
Total Loss @ Rise + 20 °C reference (Watts)	1,417.8

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:

DoE 2016(10CFR 431) and CSA-C802.2-18 Efficiency Level

Load (%)	Efficiency (%
16	97.65
25	98.11
35	98.20
50	98.10
75	97.69
100	97.17

IMPEDANCE:

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

%R	3.5
%X	4.9
%Z	6.0
X/R Ratio	1.4

REGULATION:

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

Power Factor	Regulation (%)
1	3.7
0.9	5.6
0.8	6.1

REFERENCE VALUES:

Inrush Current (Calculated) t= 8.33ms

Imax(RMS) ≈ 100 A

by ABB