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

LV Dry Type Transformer

Industrial Solutions

MODEL #: 9T10A1005G04 Underwriters' Laboratories Inc. Listed

RATINGS

KVA	112.5	Conductor	AL
Frequency (Hz)	60	Phase	3
Primary Voltage	480D+2,-4(2.5%taps)	Secondary Voltage	208Y/120
Current Line Primary (A)	135.32	Current Line Secondary (A)	312.27
Frame	DY75A	Insulation System (°C)	220C
K Factor	1	Efficiency level	DoE 2016 (10CFR 431)
Temp. Rise (°C)	150	Average Sound Level (dB)	□□

LOSS DATA @ 100% LOAD

Core Loss or No Load Loss @ 100% voltage (Watts)	245.5
Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts)	2,780.8
Total Loss @ Rise + 20 °C reference (Watts)	3,026.3

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) Efficiency Level

Load (%)	Efficiency (%)
16	98.38
25	98.70
35	98.74
50	98.68
75	98.39
100	98.03

IMPEDANCE:

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

%R	2.5
%X	3.3
%Z	4.1
X/R Ratio	1.3

REGULATION:

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

Power Factor	Regulation (%)
1	2.6
0.9	3.8
0.8	4.1

REFERENCE VALUES:

Inrush Current (Calculated)	t= 8.33ms
Imax(RMS)	≈ 2288.59 A

by ABB