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# TYPICAL TEST DATA

**LV Dry Type Transformer**

Industrial Solutions

**MODEL #:** 9T11C1008G33 Underwriters' Laboratories Inc. Listed

## RATINGS

| | | | |
|---|---|---|---|
| KVA | 300 | Conductor | CU |
| Frequency (Hz) | 60 | Phase | 3 |
| Primary Voltage | 480D+2,-2(2.5%taps ) | Secondary Voltage | 208Y/120 |
| Current Line Primary (A) | 360.84 | Current Line Secondary (A) | 832.72 |
| Frame | DX79C | Insulation System (°C) | 220C |
| K Factor | 13 | Efficiency level | DoE 2016 (10CFR 431) |
| Temp. Rise (°C) | 115 | Average Sound Level (dB) | 60 |

## LOSS DATA @ 100% LOAD

| | |
|---|---|
| Core Loss or No Load Loss @ 100% voltage (Watts) | 758.0 |
| Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts) | 2,533.9 |
| Total Loss @ Rise + 20 °C reference (Watts) | 3,291.9 |

## 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 | 98.33 |
| 25 | 98.82 |
| 35 | 99.02 |
| 50 | 99.13 |
| 75 | 99.12 |
| 100 | 99.02 |

## IMPEDANCE:

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

| | |
|---|---|
| %R | 0.8 |
| %X | 2.9 |
| %Z | 3.0 |
| X/R Ratio | 3.4 |

## REGULATION:

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

| Power Factor | Regulation (%) |
|---|---|
| 1 | 1.6 |
| 0.9 | 3.1 |
| 0.8 | 3.6 |

## REFERENCE VALUES:

| | |
|---|---|
| Inrush Current (Calculated) | t= 8.33ms |
| Imax(RMS) | ≈ 3254.04 A |



by ABB