



TYPICAL TEST DATA

Dry Type Transformer

GE
 Industrial Solutions
 Large Power Transformers
 41 Woodford Avenue
 Plainville, CT 06062
www.geindustrial.com

GE MODEL #: **9T10A1002**

Underwriters' Laboratories Inc. Listed

RATING

| | | | |
|----------------------|-------------------------|--------------------------|----------------------|
| KVA | 30 | Conductor | AL |
| Frequency | 60 | Phase | 3 |
| Primary Voltage | 480D +2, -4 (2.5% taps) | Secondary Voltage | 208Y/120 |
| Current Line Primary | 36.08 | Current Line Secondary | 83.27 |
| Frame | UY72A | Insulation System | 220C |
| K Factor | 1 | Efficiency level | DoE 2016 (10CFR 431) |
| Temp. Rise (°C) | 150 | Average Sound Level (dB) | 45 |

LOSS DATA @ 100% LOAD

| | |
|--|----------------|
| Core Loss or No Load Loss @ 100% voltage (Watts) | 78.7 |
| Impedance Loss or Coil Loss @ Rise + 20C reference (Watts) | <u>1,191.3</u> |
| Total Loss @ Rise + 20C reference (Watts) | 1,269.9 |

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 calculated per NEMA TP-1

| Load (%) | Efficiency (%) |
|----------|----------------|
| 16 | 97.95 |
| 25 | 98.28 |
| 35 | 98.23 |
| 50 | 98.11 |
| 75 | 97.60 |
| 100 | 97.02 |

IMPEDANCE

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

| | |
|-----------|-----|
| %R | 4.0 |
| %X | 2.4 |
| %Z | 4.6 |
| X/R Ratio | 0.6 |

REGULATION

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

| PF | Regulation (%) |
|-----|----------------|
| 1.0 | 4.0 |
| 0.9 | 4.6 |
| 0.8 | 4.6 |

REFERENCE VALUES:

| | |
|------------------------------|-----------|
| Inrush Current (Calculated). | t= 8.33ms |
| I _{max} (RMS) = | 521.00 |