

TYPICAL TEST DATA

LV Dry Type Transformer



MODEL #: 9T33C2670G15

Underwriters Laboratories Inc. Listed

RATINGS

| | | | |
|--------------------------|---------------------|----------------------------|--|
| KVA | 15 | Conductor | CU |
| Frequency (Hz) | 60 | Phase | 1 |
| Primary Voltage | 240X480 (+1/-2 @5%) | Secondary Voltage | 120/240 |
| Current Line Primary (A) | 31.30 | Current Line Secondary (A) | 62.50 |
| Frame | YF171 | Insulation System (°C) | 220 |
| K Factor | 1 | Average Sound Level (dB) | 45 |
| Temp. Rise (°C) | 115 | Efficiency standards | CSA 2018 (C802.2-18) & DoE 2016 (10CFR 431) |
| Electrostatic shield | None | | |

LOSS DATA @ 100% LOAD

| | |
|--|--------------|
| Core Loss or No Load Loss @ 100% voltage (Watts) | 71.2 |
| Impedance Loss or Coil Loss @ Rise + 20 °C reference (Watts) | <u>479.3</u> |
| Total Loss @ Rise + 20 °C reference (Watts) | 550.5 |

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

| <u>Load (%)</u> | <u>Efficiency (%)</u> |
|-----------------|-----------------------|
| 16 | 96.72 |
| 25 | 97.50 |
| 35 | 97.76 |
| 50 | 97.76 |
| 75 | 97.43 |
| 100 | 96.94 |

IMPEDANCE:

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

| | |
|-----------|------|
| %R | 3.20 |
| %X | 2.30 |
| %Z | 4.00 |
| X/R Ratio | 0.72 |

REGULATION:

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

| <u>Power Factor</u> | <u>Regulation (%)</u> |
|---------------------|-----------------------|
| 1 | 3.20 |
| 0.9 | 3.90 |
| 0.8 | 3.90 |

REFERENCE VALUES:

Peak Inrush Current (Calculated)

| | |
|------------------------|------|
| Imax @8.33 ms (A RMS)≈ | 47.1 |
| Imax @ 100 ms (A RMS)≈ | 8.7 |