



Specialty Transformer
PO Box 1701
Ft. Wayne, IN 46801
(260) 439-2000

GE MODEL #:
9T49G0009G83

Underwriters' Laboratories Inc Listed

RATING:

TFM CU 500 kVA 480(+2,-42.3%) - 208Y/120 80 C-rise NON-SIN K=04

| | | | |
|----------------------------|------|---------------------|------|
| Frame = | FC68 | Type | TM |
| Temp. Rise (C) = | 80 | Insulation System = | 220C |
| Average Sound Level (dB) = | 56 | @ 50% load & below. | |
| | 63 | @ over 50% load. | |

LOSS DATA:

| | |
|--|---------------|
| Core Loss or No Load Loss @ 100% voltage (Watts) = | 1395.0 |
| Impedance Loss or Coil Loss @ Rise + 20C reference (Watts) = | <u>4555.0</u> |
| Total Loss @ Rise + 20C reference (Watts) = | 5950.0 |

DIELECTRIC AND PRODUCTION TESTING:

Induce Test @ Twice rated voltage 400 Hz per ANSI C89.2 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 Ground @ 2500 volts 60 Hz 60 Sec.
 Polarity additive in accordance with ANSI C89.2 and NEMA ST-20

EFFICIENCY:

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

| Load (%) | Efficiency (%) |
|----------|----------------|
| 25 | 98.7 |
| 35 | 98.9 |
| 50 | 99.0 |
| 75 | 99.0 |
| 100 | 98.8 |

Complies with NEMA TP-1

IMPEDANCE:

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

| | |
|------|-----|
| %R = | 1.4 |
| %X = | 3.2 |
| %Z = | 3.6 |

REGULATION:

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

| PF | Regulation (%) |
|-----|----------------|
| 1.0 | 0.9 |
| 0.8 | 2.0 |