



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

GE MODEL #:
9T45G0007

Underwriters' Laboratories Inc Listed

RATING:

TFM CU 225 kVA 480(+2,-42.4%) - 208Y/120 150 C-rise ENERGY\$AVER

| | | |
|----------------------------|------|--------------------------|
| Frame = | FC77 | Type TM |
| Temp. Rise (C) = | 150 | Insulation System = 220C |
| Average Sound Level (dB) = | 54 | @ 50% load & below. |
| | 65 | @ over 50% load. |

LOSS DATA:

| | |
|--------------------------------------------------------------|---------------|
| Core Loss or No Load Loss @ 100% voltage (Watts) = | 400.0 |
| Impedance Loss or Coil Loss @ Rise + 20C reference (Watts) = | <u>8370.0</u> |
| Total Loss @ Rise + 20C reference (Watts) = | 8770.0 |

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 | 98.6 |
| 50 | 98.2 |
| 75 | 97.5 |
| 100 | 96.3 |

Complies with NEMA TP-1

IMPEDANCE:

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

| | |
|------|-----|
| %R = | 3.7 |
| %X = | 4.6 |
| %Z = | 5.9 |

REGULATION:

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

| PF | Regulation (%) |
|-----|----------------|
| 1.0 | 3.7 |
| 0.8 | 5.7 |