



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

**GE MODEL #:**  
**9T44G0009G83**

Underwriters' Laboratories Inc Listed

**RATING:**

TFM AL 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>5905.0</u>
Total Loss @ Rise + 20C reference (Watts) =	7300.0

**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	98.6
35	98.9
50	98.8
75	98.8
100	98.6

Complies with NEMA TP-1

**IMPEDANCE:**

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

%R =	1.2
%X =	4.7
%Z =	4.9

**REGULATION:**

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

PF	Regulation (%)
1.0	1.2
0.8	3.8