



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

**GE MODEL #:**  
**9T48G0005G83**

Underwriters' Laboratories Inc Listed

**RATING:**

TFM CU 112.5 kVA 480(+2,-42.4%) - 208Y/120 80 C-rise NON-SIN K=30

Frame =	FC77	Type	TM
Temp. Rise (C) =	80	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>1700.0</u>
Total Loss @ Rise + 20C reference (Watts) =	2100.0

**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	98.3	
35	98.5	Complies with NEMA TP-1
50	98.5	
75	98.5	
100	98.2	

**IMPEDANCE:**

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

%R =	1.5
%X =	2.0
%Z =	2.5

**REGULATION:**

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

PF	Regulation (%)
1.0	1.5
0.8	2.3