



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

**GE MODEL #:**  
**9T40G0009**

Underwriters' Laboratories Inc Listed

**RATING:**

TFM AL 500 kVA 480(+2,-42.3%) - 208Y/120 150 C-rise ENERGY\$AVER

Frame =	FC79	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) =	740.0
Impedance Loss or Coil Loss @ Rise + 20C reference (Watts) =	<u>14940.0</u>
Total Loss @ Rise + 20C reference (Watts) =	15680.0

**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	98.9	
35	98.8	Complies with NEMA TP-1
50	98.4	
75	97.9	
100	97.0	

**IMPEDANCE:**

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

%R =	3.0
%X =	7.5
%Z =	8.0

**REGULATION:**

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

PF	Regulation (%)
1.0	3.0
0.8	7.5