



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

GE MODEL #:
9T49G0009G53

Underwriters' Laboratories Inc Listed

RATING:

TFM CU 500 kVA 480(+2,-42.3%) - 208Y/120 115 C-rise NON-SIN K=04

Frame =	FC68	Type TM
Temp. Rise (C) =	115	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).

<u>Load (%)</u>	<u>Efficiency (%)</u>	
25	98.7	
35	98.9	Complies with NEMA TP-1
50	99.0	
75	99.0	
100	98.8	

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).

<u>PF</u>	<u>Regulation (%)</u>
1.0	0.9