



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

GE MODEL #:
9T45G0009G51

Underwriters' Laboratories Inc Listed

RATING:

TFM CU 500 kVA 480(+2,-42.3%) - 208Y/120 115 C-rise ENERGY\$AVER

Frame =	FC79	Type TM
Temp. Rise (C) =	115	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>13410.0</u>
Total Loss @ Rise + 20C reference (Watts) =	14150.0

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	98.9	Complies with NEMA TP-1
50	98.6	
75	98.1	
100	97.3	

IMPEDANCE:

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

%R =	2.7
%X =	5.2
%Z =	5.8

REGULATION:

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

PF	Regulation (%)
1.0	2.7
0.8	5.4