



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

GE MODEL #:
9T45G0009G81

Underwriters' Laboratories Inc Listed

RATING:

TFM CU 500 kVA 480(+2,-42.3%) - 208Y/120 80 C-rise ENERGY\$AVER

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>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).

Load (%)	Efficiency (%)
25	98.7
35	98.9
50	99.0
75	99.0
100	98.8

Complies with NEMA TP-1

IMPEDANCE:

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

%R =	0.9
%X =	2.1
%Z =	2.3

REGULATION:

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

PF	Regulation (%)
1.0	0.9
0.8	2.0