



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

GE MODEL #:
9T42G0008G03

Underwriters' Laboratories Inc Listed

RATING:

TFM AL 300 kVA 480(+2,-42.3%) - 208Y/120 150 C-rise NON-SIN K=20

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>5300.0</u>
Total Loss @ Rise + 20C reference (Watts) =	6040.0

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	98.6	
35	98.8	Complies with NEMA TP-1
50	98.6	
75	98.5	
100	98.1	

IMPEDANCE:

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

%R =	1.8
%X =	5.2
%Z =	5.5

REGULATION:

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

PF	Regulation (%)
1.0	1.8
0.8	4.5