



RINCON, GA, USA

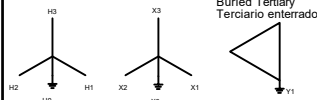
Insulation level (BIL) / Nivel de aislamiento (BIL)
HV Line WDG / BUSHING / HV Linea bobina / Boquilla
HV Neutral WDG / BUSHING / HV Neutro bobina / Boquilla
LV Line WDG / BUSHING / LV Linea bobina / Boquilla
LV Neutral WDG / BUSHING / LV Neutro bobina / Boquilla

Serial number / Numero de Serie: GA447A
Frequency / Frecuencia: 60 Hz
Vector Group / Grupo Vector: YNyn0+d1
Oil preservation system / Sistema de preservacion aceite: Conservator
Insulating oil / Insulating oil: Type II Mineral Oil

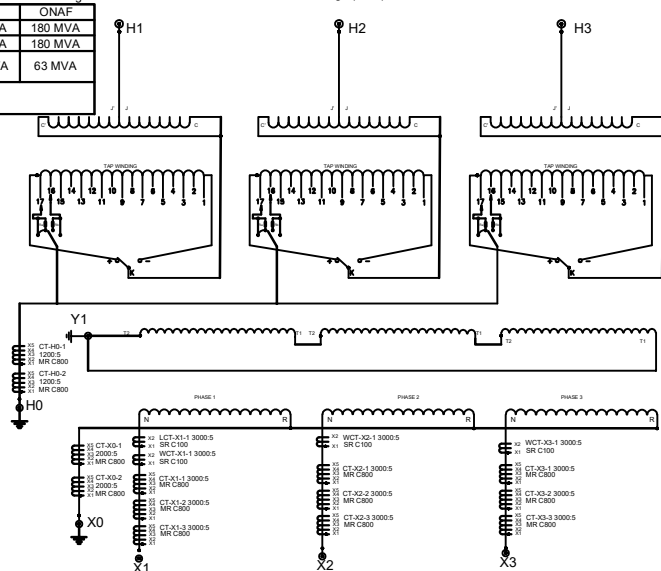
CORE TYPE TRANSFORMER/ TRANSFORMER TIPO NUCLEO
CUSTOMER NAME / Nombre del Cliente: _____
Instructions book reference / Libro de instrucciones referencia: GA447A
Standards: IEEE C57.12.00 - 2015
Rated voltage (Volts) / Rated voltage (Volts): 345 000 GrdY/199 186 - 34 500 GrdY/19 919 - 12 000

	ONAN	ONAF	ONAF
Rated Power HV / Potencia nominal HV	108 MVA	144 MVA	180 MVA
Rated Power LV / Potencia Nominal LV	108 MVA	144 MVA	180 MVA
Rated Power TV (Unloaded) / Potencia Nominal (sin carga)	37.8 MVA	50.4 MVA	63 MVA
Temperature Rise / Elevacion de temperature	65 °C		

6.99 %	Impedance Voltage Base 108 MVA / Voltaje de Impedancia Base 108 MVA 345 000 - 34 500 V
10.90 %	Impedance Voltage Base 108 MVA / Voltaje de Impedancia Base 108 MVA 345 000 - 12 000 V
3.35 %	Impedance Voltage Base 108 MVA / Voltaje de Impedancia Base 108 MVA 34 500 - 12 000 V
2024	Year of Manufacturing / Año de Manufactura
3	Number of Phases / Número de fases
Copper	Winding Material / Material de la bobina
-20/30/45	Ambient Temperature(Min/Max) / Temperatura Ambiente (Min/Max)
<3300 ft	Elevation / Elevación
Z1 & Z2	Seismic Rating / Nivel sísmico Buried Tertiary / Terciario enterrado



HV LTC ON NEUTRAL, VACUTAP / VM III 500Y 123/C-18 35 3 W				
TAP SELECTOR	CHANGE OVER	POS.	VOLTS	AMP AT 180 MVA
1	K+	16R	396 750	262
2		15R	393 520	264
3		14R	390 280	266
4		13R	387 050	269
5		12R	383 810	271
6		11R	380 580	273
7		10R	377 340	275
8		9R	374 110	278
9		8R	370 880	280
10		7R	367 640	283
11		6R	364 410	285
12		5R	361 170	288
13		4R	357 940	290
14		3R	354 700	293
15		2R	351 470	296
16		1R	348 230	298
17	K-	NR	345 000	301
k		N	345 000	301
1		NL	345 000	301
2		1L	341 770	304
3		2L	338 530	307
4		3L	335 300	310
5		4L	332 060	313
6		5L	328 830	316
7		6L	325 590	319
8		7L	322 360	322
9		8L	319 130	326
10		9L	315 890	329
11		10L	312 660	332
12		11L	309 420	336
13		12L	306 190	339
14		13L	302 950	343
15		14L	299 720	347
16		15L	296 480	351
17		16L	293 250	354



TERTIARY VOLTAGE (Grounded inside) / VOLTAGE DE TERCIARIO (Aterrije interno)	
Voltage (V) / Voltaje (V)	Current (A) @ 63.0 MVA / Corriente (A) @ 63.0 MVA
12 000	3 031

LV VOLTAGE / LV VOLTAJE	
Voltage (V) / Voltaje (V)	Current (A) @ 180 MVA / Corriente (A) @ 180 MVA
34 500	3 012

WEIGHTS AND OIL VOLUMES / PESOS Y VOLUMENES				TOTAL OIL VOL @ 25°C / ACEITE VOLMEN TOTAL @ 25°C			
UNTANKING / DESENTANCADO				MAIN TANK / TANQUE PRINCIPAL			
29 542	Lbs	13 400	Kg	146 705	Lbs	66 544	Kg
TANK & FITTINGS / TANQUE Y SUJECION				RADIATORS / RADIADORES			
225 041	Lbs	102 077	Kg	15 754	Lbs	7 146	Kg
CORE & COILS / NUCLEO Y BOBINAS				TOTAL WEIGHT / PESO TOTAL			
INSULATION / AISLAMIENTO				486 874	Lbs	220 842	Kg
SHIPPING WITHOUT OIL / EMBARQUE SIN ACEITE				302 308	Lbs	137 125	Kg

CONSERVATOR OIL VOLUME @ 25°C / VOLUMEN CE ACEITE EN CONSERVADOR @ 25°C			
555	Gal	2 101	L

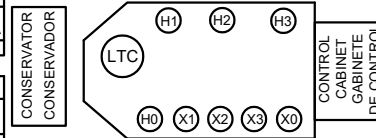
OIL PRESERVATION SYSTEM / SISTEMA DE PRESERVACION DEL ACEITE
BEFORE INSTALLING OR OPERATING, READ INSTRUCTIONS (GA447A) / ANTES DE OPERAR O INSTALAR, LEER INSTRUCCIONES (GA447A)

TRANSFORMER CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2 PPM) AT TIME OF MANUFACTURE.
TRANSFORMADOR CONTIENE NO DETECTABLE NIVEL DE PCB (MENOS DE 2 PPM) AL MOMENTO DE MANUFACTURA

TANK AND RADIATORS DESIGNED FOR 103 kPa [15 PSI] VACUUM FILLING / TANQUE Y RADIADORES DISEÑADOS PARA 103 kPa [15 PSI] LLENADO EN VACIO

MAXIMUM OPERATING PRESSURE OF OIL PRESERVATION SYSTEM, 45 kPa (6.5 PSI) POSITIVE
PRESION MAXIMA DE OPERACION DEL SISTEMA DE PRESERVACION DE ACEITE, 45 kPa (6.5 PSI) POSITIVO

TRANSFORMER DESIGNED TO WITHSTAND FULL VACUUM.
TRANSFORMADOR DISEÑADO PARA SOPORTAR VACIO COMPLETO



594

420

GEORGIA TRANSFORMER logo

Nameplate

GA447A

13.1

THREE PHASE OLTC TRANSFORMER
108/144/180 MVA 65 °C RISE ONAN/ONAF/ONAFZ
345 kV +-16 @ 0.8375% / 34.5 kV / 12 kV (Buried)
VECTOR:- YNyn0+d1