GEORGIA TRANSFORMER

RINCON, GA, USA

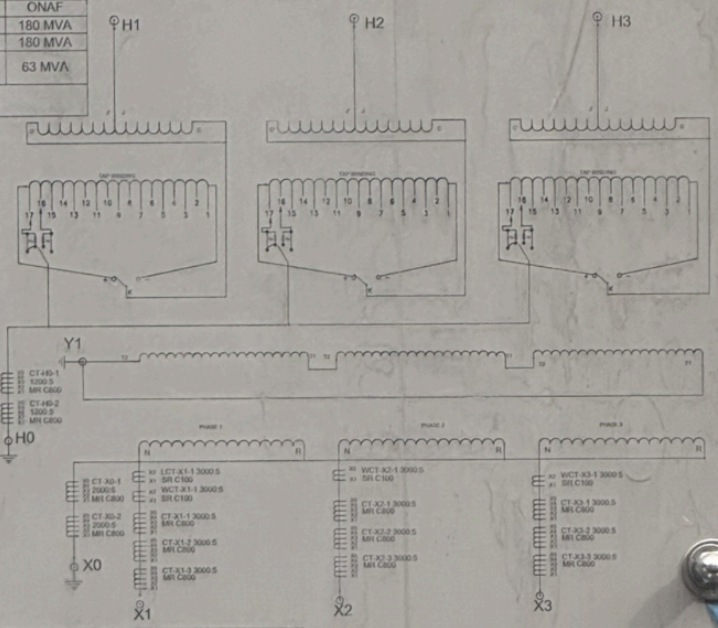
CORE TYPE TRANSFORMER/ TRANSFORMADOR TIPO NUCLEO

Insulation level (BIL) / Nivel de aislamiento (BIL)	
HV Line WDG / BUSHING / HV Linea bobina / Boquilla	1 050 / 1 300 kV
HV Neutral WDG / BUSHING / HV Neutro bobina / Boquilla	200 / 200 kV
LV Line WDG / BUSHING / LV Linea bobina / Boquilla	200 / 200 kV
LV Neutral WDG / BUSHING / LV Neutro bobina / Boquilla	200 / 200 kV

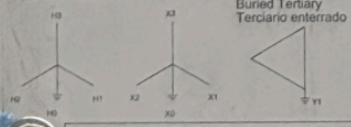
Serial number / Numero de Serie	GA447A
Frequency / Frequencia	60 Hz
Vector Group / Grupo Vector	YNyn0+d1
Oil preservation system / Sistema de preservación aceite	Conservator
Insulating oil / Aceite aislante	Type II Mineral Oil

CUSTOMER NAME / Nombre del Cliente	ACCIONA ENERGY USA GLOBAL LLC
Instructions book reference / Libro de instrucciones referencia	GA447A
Standards / Normas	IEEE C57.12.00 - 2015
Rated voltage (Volts) / Voltaje Nominal(Volts)	345 000 GrdY/199 186 - 34 500 GrdY/19 919 -12 000D

	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 Temperatura	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 sismico



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		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	K+	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		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	K-	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

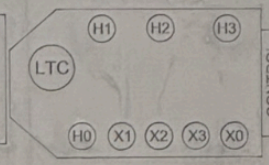
TERTIARY VOLTAGE (Grounded inside)
VOLTAJE DEL TERCIARIO (Aterrizaje Interno)

Voltage (V) / Voltaje (V)	Current (A) @ 63.0 MVA / Corriente (A) @ 63.0 MVA
12 000	3 031

LV VOLTAGE / VOLTAJE DE LV

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

CONSERVATOR / CONSERVADOR



CONTROL CABINET / GABINETE DE CONTROL

WEIGHTS AND OIL VOLUMES / PESOS Y VOLUMENES				
UNTANKING / DESENTANCADO	29 542	Lbs	13 400	Kg
TANK & FITTINGS / TANQUE Y SUJECION	146 703	Lbs	66 544	Kg
CORE & COILS / NUCLEO Y BOBINAS	225 041	Lbs	102 077	Kg
INSULATION / AISLAMIENTO	15 754	Lbs	7 146	Kg
TOTAL WEIGHT / PESO TOTAL	486 874	Lbs	220 842	Kg
SHIPPING WITHOUT OIL / EMBARQUE SIN ACEITE	302 308	Lbs	137 125	Kg

TOTAL OIL VOL @ 25°C / VOLUMEN TOTAL ACEITE @25°C	115 129	Lbs	52 222	Kg
	15 414	Gal	58 348	L
MAIN TANK / TANQUE PRINCIPAL	13 455	Gal	50 933	L
RADIATORS / RADIADORES	1 308	Gal	4 951	L
LTC / LTC	60	Gal	227	L

CONSERVATOR OIL VOLUME @ 25°C / VOLUMEN DE 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
EL TRANSFORMADOR CONTIENE NIVEL DE PCB NO DETECTABLE (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) POSITIVOS

TRANSFORMER DESIGNED TO WITHSTAND FULL VACUUM
TRANSFORMADOR DISEÑADO PARA SOPORTAR VACIO ABSOLUTO