

GEORGIA TRANSFORMER

RINCON, GA, USA

Standards: IEEE C57.12.00 - 2015

Rated voltage (Volts): 138 000 Grd Y / 79 674 - 34 500 Grd Y / 19 919 - 12 000 D

	ONAN	ONAF	ONAF
Rated Power HV	72 MVA	96 MVA	120 MVA
Rated Power LV	72 MVA	96 MVA	120 MVA
Rated Power TV (UNLOADED)	25.2 MVA	33.6 MVA	42 MVA
Temperature Rise	65 °C		

Serial number: GA424A

Frequency: 60 Hz

Vector Group: YNyn0+d1

CORE TYPE TRANSFORMER

Winding Material: Copper

Ambient Temperature: -20/40

Elevation: <3300 ft

Seismic Rating: Z1 & Z2

Number of Phases: 3

Sound level: 79/81/82

Oil preservation system: Conservator

Insulating oil: Type II Mineral Oil

	Calculated	Measured
Impedance Voltage Base 72 MVA 138 000 - 34 500 V	7.2%	6.93%
Impedance Voltage Base 72 MVA 138 000 - 12 000 V	11.4%	11.45%
Impedance Voltage Base 72 MVA 34 500 - 12 000 V	3.3%	3.31%
Year of Manufacturing	2022	

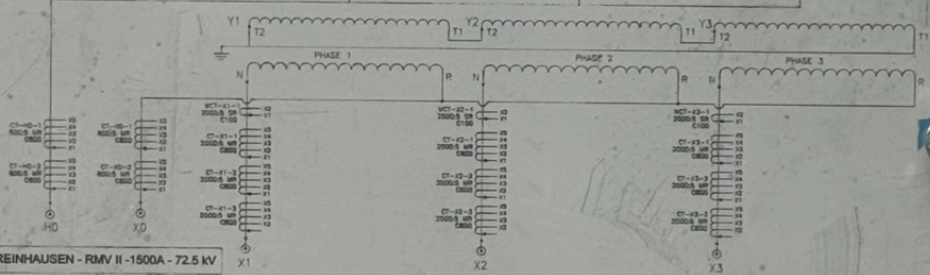
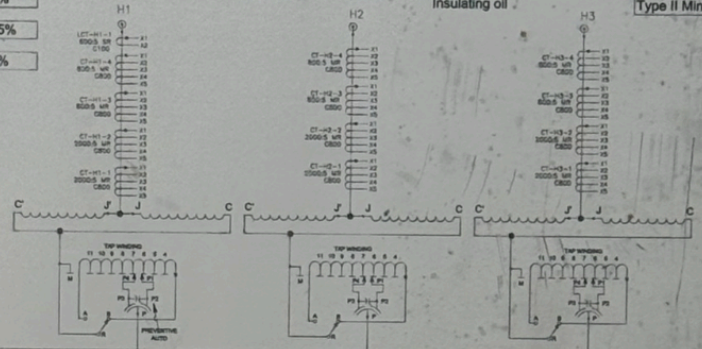
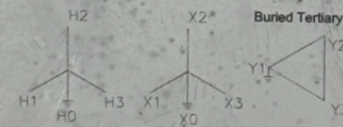
Insulation level (BIL):

HV Line Winding / Bushing: 650 / 650 kV

HV Neutral / Bushing: 200 / 200 kV

LV Line Winding / Bushing: 200 / 200 kV

LV Neutral / Bushing: 200 / 200 kV



HIGH VOLTAGE -M- REINHAUSEN - RMV II -1500A - 72.5 KV

OLTC			Current (A)	
Position	Change over	Selector Connection	Voltage (V)	ONAF 120 MVA
16		11 11	158 700	437
15		10 11	157 410	440
14		10 10	156 110	444
13		9 10	154 820	448
12		9 9	153 530	451
11		8 9	152 230	455
10		8 8	150 940	459
9		7 8	149 640	463
8		7 7	148 350	467
7		6 7	147 050	471
6		6 6	145 760	475
5		5 6	144 470	480
4		5 5	143 180	484
3		4 5	141 880	488
2		4 4	140 590	493
1		M 4	139 290	497
		N M	138 000	502
1		11 M	136 710	507
2		11 11	135 410	512
3		10 11	134 120	517
4		10 10	132 830	522
5		9 10	131 530	527
6		9 9	130 240	532
7		8 9	128 940	537
8		8 8	127 650	543
9		7 8	126 360	548
10		7 7	125 060	554
11		6 7	123 770	560
12		6 6	122 480	566
13		5 6	121 180	572
14		5 5	119 890	578
15		4 5	118 590	584
16		4 4	117 300	591

LV VOLTAGE

Voltage (V)	Current (A) @ 120 MVA
34 500	2 008

TERTIARY VOLTAGE (BURIED)

Voltage (V)	Current (A) @ 42 MVA
12 000	2 021

WEIGHTS

		Lbs	Kg
UNTANKING	31 566	14 318	14 318
TANK & FITTINGS	101 146	45 879	45 879
CORE & COILS	170 801	77 474	77 474
INSULATION	6 671	3 026	3 026
TOTAL OIL VOL @ 25°C	11 034	41 768	41 768
OIL IN MAIN TANK	9 281	35 132	35 132
OIL IN RADIATORS	1 008	3 816	3 816
OIL IN LTC	345	1 306	1 306
OIL IN CONSERVATOR	400	1 514	1 514
TOTAL OIL WEIGHT	82 414	37 383	37 383
TOTAL WEIGHT	354 362	160 736	160 736
SHIPPING W/O OIL	244 930	111 098	111 098

OIL PRESERVATION SYSTEM

BEFORE INSTALLING OR OPERATING, READ INSTRUCTIONS (GA424A)

TRANSFORMER CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2 PPM) AT TIME OF MANUFACTURE

TANK AND RADIATORS DESIGNED FOR 103 kPa [15 PSI] VACUUM FILLING

MAXIMUM OPERATING PRESSURE OF OIL PRESERVATION SYSTEM, 45 kPa (6.5 PSI) POSITIVE

Untanking height: 392.57" [9972 mm]

TRANSFORMER DESIGNED TO WITHSTAND FULL VACUUM

