

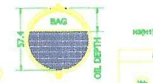


GENERATOR STEP-UP CORE TYPE TRANSFORMER

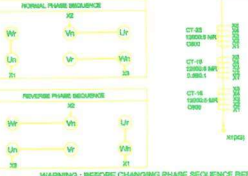
Serial number	GA435A	Instructions book reference	GA435A	Frequency	60 Hz
Standards	IEEE C57.12.00-2015	Insulation level (kV)	HV Line - 1500 kV HV Neutral - 250 kV LV Line - 180 kV	Vector Group	YNd1
Rated voltage	361 000 kVt / 238 425 - 22 000 V D	Number of Phases	3	Oil preservation system	Conservator
		Seismic Capability	Moderate seismic qualification level IEEE Std 693	Insulating oil is PCB free	Mixed Oil
Rated Power	ONAN 190 MVA ONAF 240 MVA ONAF 300 MVA			Ambient Temperature	-40 min. 40 Max.
Temperature Rise	65 °C			Winding Material	Copper
				Sound Pressure Level(dBA)	IEEE Std 693

Impedance Voltage Base 180 MVA	361 000 - 22 000 V
Month / Year of Manufacturing	06/2018
Altitude	0000 ft
Manufacturing Location	RRICOH, GA
Design Overhead Capability	120% for 8 hrs
No Load Losses(W)	40000000
Load Losses(W)	40000000
Purchase Order #	823014
Equipment #	823014

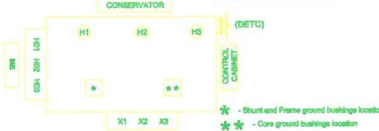
LIQUID LEVEL IN CONSERVATOR AS FUNCTION OF OIL TEMPERATURE



OIL TEMPERATURE (°C)	OIL LEVEL (INCHES)
10	10.0
15	10.5
20	11.0
25	11.5
30	12.0
35	12.5
40	13.0
45	13.5
50	14.0
55	14.5
60	15.0



WARNING: BEFORE CHANGING PHASE SEQUENCE REFER INSTRUCTION MANUAL, GA435A.



BEFORE INSTALLING OR OPERATING, READ INSTRUCTIONS (GA435A)
TRANSFORMER CONTAINS NO DETECTABLE LEVEL OF PCB (LESS THAN 2 PPM) AT TIME OF MANUFACTURE
TANK AND RADIATORS DESIGNED FOR 100 MPa (15 PSI) VACUUM FILLING.
SADIUM OPERATING PRESSURE OF OIL PRESERVATION SYSTEM, 45 MPa (6.5 BAR) POSITIVE.
CT THERMAL RATING FACTOR 2.0

WARNING: DO NOT OPERATE D.E.T.C. WHEN TRANSFORMER IS ENERGIZED
TRANSFORMER DESIGNED TO WITHSTAND FULL VACUUM

(*) - FOR REVERSE PHASE SEQUENCE

LOW VOLTAGE	
Voltage (V)	Current (A) @ 300 MVA
22 000	7 673

HIGH VOLTAGE - DTW - ABB			
Position	Connections	Voltage (V)	Current (A) ONAF
1	F - G / F - G'	378 000	497
2	F - H / F - H'	378 000	498
3	H - H' / F - H'	381 000	499
4	E - I / E' - I'	382 000	499
5	I - I' / F - I'	383 000	500

WEIGHTS				
UNWINDING(BELL)	55 285	Lbs	25 076	Kg
TANK & FITTINGS	171 555	Lbs	77 847	Kg
CORE & COILS	284 700	Lbs	129 175	Kg
TOTAL OIL VOL. @ 20°C	15 877	Gal	60 101	L
MAIN TANK	13 343	Gal	50 800	L
RADIATORS	1 787	Gal	6 809	L
CONSERVATOR	767	Gal	2 903	L
INSULATION	17 487	Lbs	7 939	Kg
TOTAL OIL WEIGHT	116 987	Lbs	53 790	Kg
TOTAL WEIGHT	675 035	Lbs	308 118	Kg

NAME PLATE

TRANSFORMER DATA

GA435A

190 MVA

240 MVA

300 MVA

65 °C

361 000 kVt / 238 425 - 22 000 V D

RRICOH, GA

06/2018

40000000

40000000

823014

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