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 24 / OCT / 08
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 COMMENTS TO GE-PROLEC IN THE
 THE DATE MARKED IN THIS STAMP.

Equi Sales Associates, Inc
 P.O. # 32009C-139
 GE Req # 420-87040
 Prolec-GE Serial N° : G2344-01

STEP-DOWN TRANSFORMER
 30/40/50/60/70/80/90 HZ
 THREE PHASE 3300 FT.
 138 x 69 KV Δ 13.8 KV



<http://www.prolecge.com>

TRANSFORMER

SERIAL No **G2344-___**, THREE-PHASE, 60 Hz, ALTITUDE **3300 ft**

VOLTAGE RATING 138 000 X 69 000 - 13 800 Y/7965		BASIC IMPULSE LEVEL (kV)	
kVA RATING	30 000 CONTINUOUS @ 65 °C RISE ONAN	H1,H2,H3	X1,X2,X3 X0
kVA RATING	40 000 CONTINUOUS @ 65 °C RISE ONAF	SERIES	PARALLEL
kVA RATING	50 000 CONTINUOUS @ 65 °C RISE ONAF	BUSHING	650 650 110 110
		WINDING	650 350 110 110

IMPEDANCE @ 85 °C		
%Z	kVA BASE	kV BASE
	30 000	69 - 13.8
	30 000	138 - 13.8

APPROXIMATE WEIGHTS (POUNDS)	
CORE AND COILS	58370
TANK AND FITTINGS	37635
MAIN TANK LIQUID (6610 GALS)	49643
COOLING EQUIPMENT LIQUID (359 GALS)	2694
TOTAL WEIGHT	148342
UNTANKING WEIGHT (HEAVIEST PIECE)	58370
SHIPPING WEIGHT (WITHOUT OIL)	82554

HIGH VOLTAGE WINDING (SERIES)			
VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER	DUAL-VOLTAGE SWITCH
H1, H2, H3	50 000 kVA	TAP	CONNECTS
144 900	199	1	a TO b
141 450	204	2	b TO c
138 000	209	3	c TO d
134 550	215	4	d TO e
131 100	220	5	e TO f

HIGH VOLTAGE WINDING (PARALLEL)			
VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER	DUAL-VOLTAGE SWITCH
H1, H2, H3	50 000 kVA	TAP	CONNECTS
72 450	398	1	a TO b
70 725	408	2	b TO c
69 000	418	3	c TO d
67 275	429	4	d TO e
65 550	440	5	e TO f

CAUTION !


- BEFORE INSTALLING OR OPERATING READ INSTRUCTIONS **G2344**.
- DO NOT OPERATE TRANSFORMER WHEN THE READING OF LIQUID LEVEL GAUGE IS BELOW THE LOW POINT OF THE SCALE.
- DO NOT OPERATE DE-ENERGIZED TAP CHANGER OR DUAL VOLTAGE SWITCH WITH THE TRANSFORMER ENERGIZED.

LOW VOLTAGE WINDING	
VOLTS	AMPERES
X1, X2, X3	50 000 kVA
13 800	2090

NOTES

- MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM: 0.5 Lbf/in² POSITIVE AND 6.5 Lbf/in² POSITIVE.
- TANK DESIGNED FOR 15 Lbf/in² VACUUM FILLING
- LIQUID LEVEL BELOW TOP SURFACE OF THE HIGHEST POINT OF THE HIGHEST MANHOLE FLANGE AT 25° C: **13.54 in**
- LIQUID LEVEL CHANGES: **0.91 in** PER 10°C CHANGE IN LIQUID TEMPERATURE.
- ALL WINDINGS COPPER.
- FILLED WITH MINERAL OIL WHICH CONTAIN NO DETECTABLE LEVEL OF PCB AT THE TIME OF MANUFACTURE.


MANUFACTURE DATE: ___ / 2 0 0 ___



TRANSFORMER DESIGNED FOR A NOMINAL IMPEDANCE OF 9.5 % @ 30 000 kVA AND 138 000 kV. THE ACTUAL MEASURED IMPEDANCE VALUE WILL BE SHOWN ON THE NAMEPLATE.

MATERIAL: STAINLESS STEEL
 DIMENSIONS: 22" x 12"

REV	DESCRIPTION
DESIGN GROUP	5



PROLEC GE ENGINEERING POWER DIVISION

<http://www.prolecge.com>

DFM:	AJGSC
CHKD:	ELG
	10/17/08

PROJECTION:	INDICATED
SCALE:	NONE
DIMENSIONS IN:	mm
REVISION:	
DRAWING No.:	G234401D802
SHEET:	1 OF 1