

PROLEC®
APPROVAL DRAWING
10 / 05 / 2012
DEAR CUSTOMER :
WE WANT TO SERVE YOU BETTER.
PLEASE REVIEW THIS DRAWING
AND SEND BACK WITH YOUR
COMMENTS TO PROLEC-GE IN THE
TIMEFRAME OF 10 DAYS AFTER
THE DATE MARKED IN THIS STAMP.

PROLEC GE SERIAL No.: G2953-01

GENERATOR STEP UP TRANSFORMER
ONAN/ONAF/ONAF,
THREE PHASE, 65°C, 3300 FASL
50 HZ, 34.9/46.6/58.2 MVA
50 HZ, 200 x 100 KV Δ - 11.5 KV Δ
60 HZ, 42.7/57/71.2 MVA
60 HZ, 240 x 120 KV Δ - 13.8 KV Δ



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TRANSFORMER

SERIAL No G2953-___, THREE-PHASE, 60 Hz, ALTITUDE 3300 ft

VOLTAGE RATING

240 000 GrdY/138 575 X 120 000 GrdY/69 280 - 13 800

kVA RATING 42 700 CONTINUOUS @ 65 °C RISE ONAN

kVA RATING 57 000 CONTINUOUS @ 65 °C RISE ONAF

kVA RATING 71 200 CONTINUOUS @ 65 °C RISE ONAF

BASIC IMPULSE LEVEL (kV)

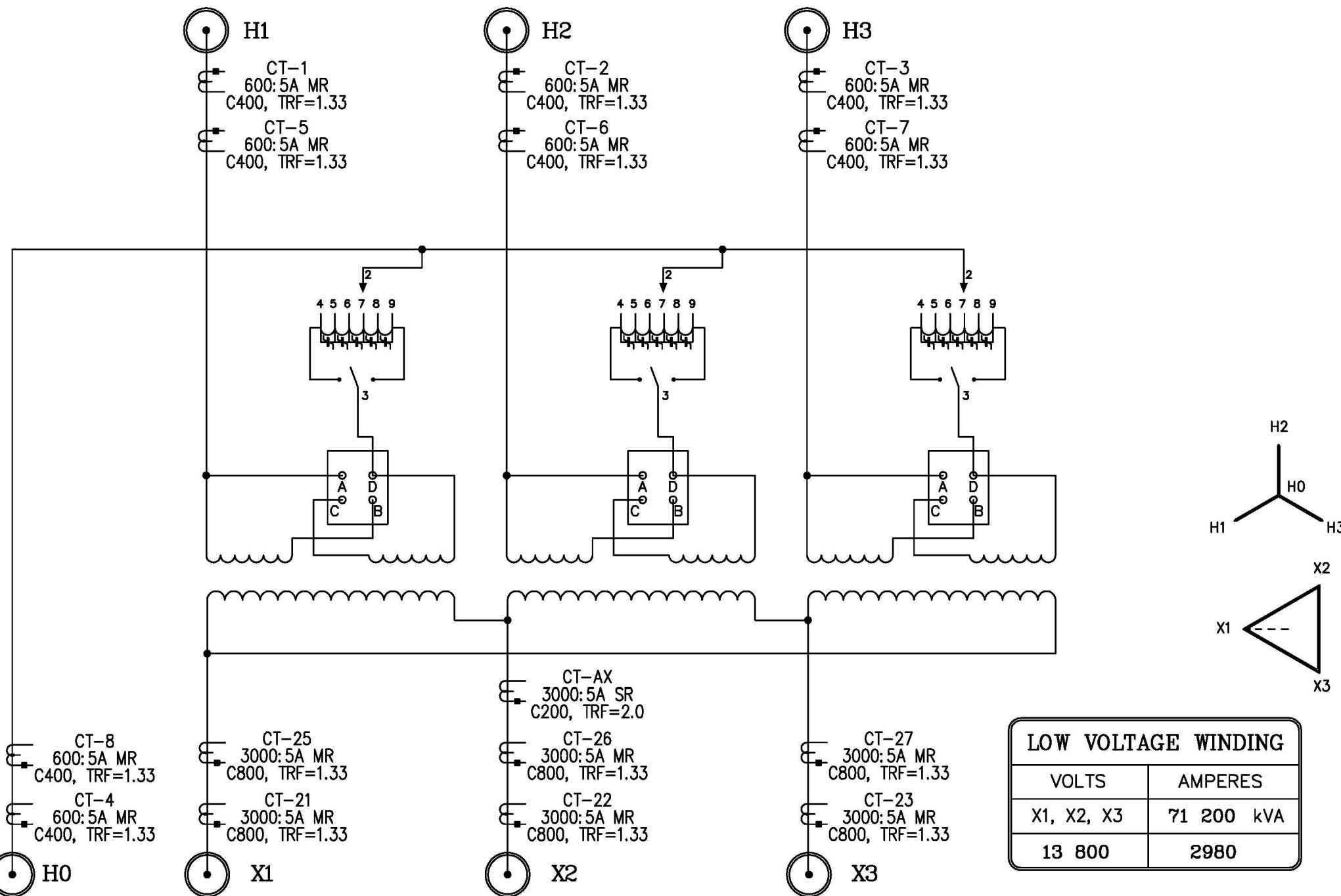
	H1,H2,H3		X1,X2,X3	H0
	SERIES	PARALLEL		
BUSHING	900	900	110	250
WINDING	900	650	110	250

IMPEDANCE @ 85 °C

%Z	kVA BASE	kV BASE
42	700	215.050— 13.8
42	700	95.050— 13.8

APPROXIMATE WEIGHTS (POUNDS)

CORE AND COILS	99823
TANK AND FITTINGS	109607
MAIN TANK LIQUID (12912 GALS)	96973
COOLING EQUIPMENT LIQUID (1520 GALS)	11418
CONSERVATOR TANK LIQUID (529 GALS)	3975
TOTAL WEIGHT	321796
UNTANKING WEIGHT (HEAVIEST PIECE)	99823
SHIPPING WEIGHT WITHOUT OIL	149321



HIGH VOLTAGE WINDING (SERIES)

VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER		DUAL-VOLTAGE BOARD
H1, H2, H3	71 200 kVA	TAP	CONNECTS	CONNECTS
281 575	146	5R	3 TO 4	2 TO 9
273 250	150	4R		2 TO 8
264 950	155	3R		2 TO 7
256 625	160	2R		2 TO 6
248 325	166	1R		2 TO 5
240 000	171	N	3 TO 9	2 TO 4
231 675	177	1L		2 TO 8
223 375	184	2L		2 TO 7
215 050	191	3L		2 TO 6
206 750	199	4L		2 TO 5
198 425	207	5L		2 TO 4

HIGH VOLTAGE WINDING (PARALLEL)

VOLTS	AMPERES	DE-ENERGIZED TAP CHANGER		DUAL-VOLTAGE BOARD
H1, H2, H3	71 200 kVA	TAP	CONNECTS	CONNECTS
181 575	254	5R	3 TO 4	2 TO 9
153 250	268	4R		2 TO 8
144 950	284	3R		2 TO 7
136 625	301	2R		2 TO 6
128 325	320	1R		2 TO 5
120 000	343	N	3 TO 9	2 TO 4
111 675	368	1L		2 TO 8
103 375	398	2L		2 TO 7
95 050	432	3L		2 TO 6
86 750	474	4L		2 TO 5
78 425	524	5L		2 TO 4

NOTES

- 1- MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM: 0 Lbf/in² (ATMOSPHERIC PRESSURE).
- 2- TANK DESIGNED FOR 15 Lbf/in² VACUUM FILLING
- 3- ALL WINDINGS COPPER.
- 4- FILLED WITH MINERAL OIL WHICH CONTAIN NO DETECTABLE LEVEL OF PCB AT THE TIME OF MANUFACTURE.
- 5- TRANSFORMER SHIPPED FROM THE FACTORY AT THE HIGH VOLTAGE WINDING CONNECTION (SERIES VOLTAGE).

CAUTION !

- 1- BEFORE INSTALLING OR OPERATING READ INSTRUCTIONS G2953
- 2- DO NOT OPERATE TRANSFORMER WHEN THE READING OF LIQUID LEVEL GAUGE IS BELOW THE LOW POINT OF THE SCALE.
- 3- DO NOT OPERATE DE-ENERGIZED TAP CHANGER OR DUAL VOLTAGE BOARD WITH THE TRANSFORMER ENERGIZED.

SUITABLE FOR STEP-UP OPERATION

MANUFACTURE DATE: ___ / 2 0 ___



TRANSFORMER DESIGNED FOR A NOMINAL IMPEDANCE OF 9.2 %, 215.058 KV @ 42 700 kVA.
THE ACTUAL MEASURED IMPEDANCE VALUE WILL BE SHOWN ON THE NAMEPLATE.

MATERIAL: STAINLESS STEEL
DIMENSIONS: 22" x 12"

REV.	1	CT-8, added
REV.	2	NAMEPLATE IDENTIFICATION WAS CHANGED
REV.	3	ATM
DESIGN GROUP	3	
TITLE:	PROLEC GE ENGINEERING POWER DIVISION http://www.prolecge.com	
NAMEPLATE	THIS DRAWING CONTAINS PROPRIETARY INFORMATION WHICH CAN NOT BE REPRODUCED WITHOUT PERMISSION OF PROLEC GE.	
DF:TM: JMOE	10/03/12	DRAWING No.: G295301D802
CHKD: FGG	10/03/12	SHEET: 1 OF 1
PROJECTION:	SCALE: NONE	DIMENSIONS IN: mm
REVISION:	INDICATED	