

1

2

3

4

5

6

7

8

9

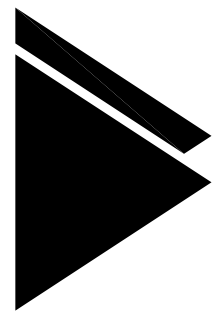
10

11

12

A

4xØ5.5

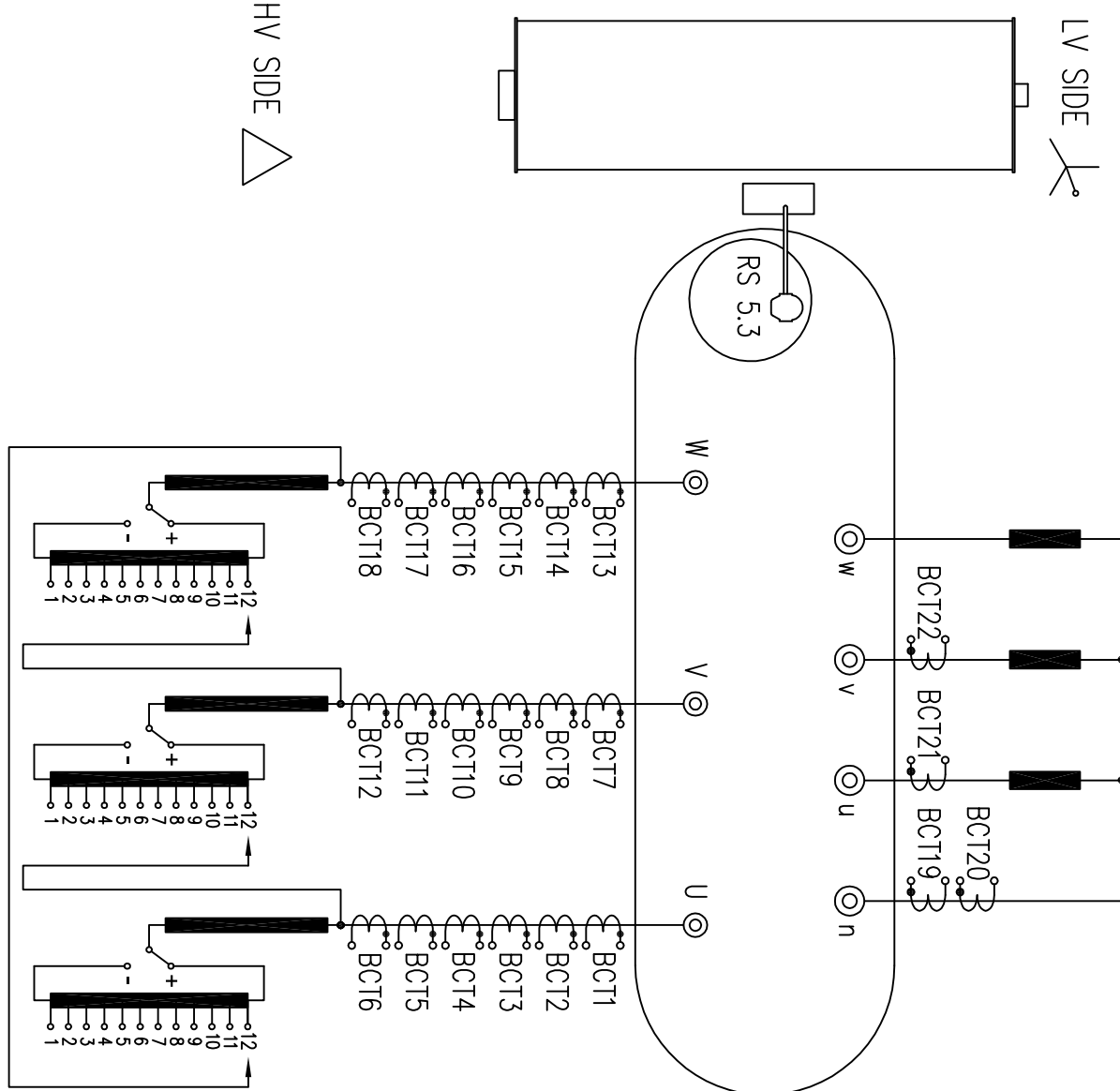


HYUNDAI

HEAVY INDUSTRIES CO. BULGARIA

THREE PHASE POWER TRANSFORMER WITH OLTC

TYPE	TMV 15000/11	SERIAL NUMBER	113304	TEMP. RISE OF WINDINGS/OIL	64/59 K
RATED POWER	12/15 MVA	YEAR OF MANUFACTURE	2014	MAX AMBIENT TEMPERATURE	41 °C
RATED VOLTAGES HV/LV	11/6.3 kV	TAPPING RANGE ON HV SIDE	±11x1.25 %	WEIGHTS	
RATED CURRENTS HV/LV	ONAN	VECTOR GROUP SYMBOL	Dyn1	UNTANKING (COVER WITH CORE AND COIL)	14600 kg
	ONAF	RATED FREQUENCY	50 Hz	SHIPPING (MAIN BODY)	20400 kg
COOLING SYSTEM:	ONAN/ONAF	STANDARD	IEC 60076	OIL	8210 lt
			TOTAL		32000 kg
INSULATION LEVELS U/A/C, kV : HV line terminals 75/28, LV terminals 60/20; LV Neutral 60/20					



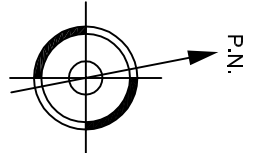
TAP POSITIONS	HV SIDE-11 kV		LV SIDE-6.3 kV		SHORT CIRCUIT IMPEDANCE [%]
	VOLTAGE [kV]	CURRENT [A]	VOLTAGE [kV]	CURRENT [A]	
1	12.51	553.7	6.3	1099.7	1374.6
2	12.38	559.9			
3	12.24	566.1			
4	12.10	572.6			
5	11.96	579.2			
6	11.83	585.9			
7	11.69	592.8			
8	11.55	599.8			
9	11.41	607.1			
10	11.28	614.5			
11	11.14	622.1			
12	11.00	629.8	6.3	1099.7	1374.6
13	10.86	637.8			
14	10.73	646.0			
15	10.59	654.4			
16	10.45	663.0			
17	10.31	671.8			
18	10.18	680.9			
19	10.04	690.2			
20	9.90	699.8			
21	9.76	709.7			
22	9.63	719.8			
23	9.49	730.2	6.3	1099.7	1374.6

1. THE TANK AND THE CONSERVATOR ARE DESIGNED FOR FULL VACUUM.
2. TYPE OF THE TRANSFORMER INHIBITED ACCORDING TO IEC 60296/2003, MARKED "1".
3. OLTC TYPE RS 5.3-III-630-41.1/K 12.23.1W, MADE IN HHI-BULGARIA.

WARNING!

BCT No	ON PHASE	RATIO, A/A	ACCURACY CLASS	UBDEN-VA SHORT-TERM CURRENT, kA/sec	R75.0, g	Img5, mA
1	U(TS1-S2)	900/1	PX		90/1	
2	U(2S1-2S2)	900/1	PX		90/1	
3	U(3S1-3S2)	900/1	PX		90/1	
4	U(4S1-4S2)	900/1	SP20		90/1	
5	U(5S1-5S2)	900/1	SP20		90/1	
6	U(6S1-6S2)	900/1	0.2Fs5		90/1	
7	V(TS1-S2)	900/1	PX		90/1	
8	V(2S1-2S2)	900/1	PX		90/1	
9	V(3S1-3S2)	900/1	PX		90/1	
10	V(4S1-4S2)	900/1	SP20		90/1	
11	V(5S1-5S2)	900/1	SP20		90/1	
12	V(6S1-6S2)	900/1	0.2Fs5		90/1	
13	W(TS1-S2)	900/1	PX		90/1	
14	W(2S1-2S2)	900/1	PX		90/1	
15	W(3S1-3S2)	900/1	PX		90/1	
16	W(4S1-4S2)	900/1	SP20		90/1	
17	W(5S1-5S2)	900/1	SP20		90/1	
18	W(6S1-6S2)	900/1	0.2Fs5		90/1	
19	n(TS1-S2)	1600/1	PX		40/1	
20	n(2S1-2S2)	1600/1	PX		40/1	
21	u(S1-S2)	1600/1	1F-55		40/1	
22	v(S1-S2)	1600/1	1F-55		40/1	

• 32075.0.00.001



KEY-PLAN

REFERENCE DRAWINGS

LEGEND

GENERAL NOTES

2	18.06.14	Customer comment	ILEVA	BROADIEV	BRESHKOV
1	15.06.14	Change BCT	ILEVA	BROADIEV	BRESHKOV
0	7.04.14	FIRST ISSUE	ILEVA	BROADIEV	BRESHKOV
REV.	DATE	DESCRIPTION	DESIGNED	CHECKED	APPROVED

Owner

EPC Contractor

21, Kakheti Highway
0190 Tbilisi, Georgia

ÇALIK ENERJİ
SAN. VE TİC. A.Ş.

Project

GARDABANI C.C.P.P. PROJECT (230 MW)

STATUS	FOR INFORMATION ☐	FOR APPROVAL ☒	APPROVED FOR CONSTRUCTION ☐	AS BUILT ☐
--------	--	--	--	-----------------------------------

SCALE:	DESIGNED BY: ILEVA	CHECKED BY: BROADIEV	APPROVED BY: BRESHKOV	DATE: 18.06.14
--------	--------------------	----------------------	-----------------------	----------------

TITLE:	NAME PLATE LAYOUT	PROJECT No. GAC	SIZE: A1
		PAGE No. 1/2	REV. 2
		DRAWING No. GAC-12-BBT-EDC-HHI-002	

H

Copyright © ASTON (Sartened) Ltd 2011

1

2

3

4

5

6

7

8

9

10

11

12

H

D

E

F

G

B

A