



CG POWER SYSTEMS BELGIUM NV

POWER TRANSFORMER

PLANT OF MANUFACTURE **CG POWER SYSTEMS BELGIUM**

SERIAL NUMBER **46005705** TEMPERATURE RISE **60 K**
NOT EXCEEDING

YEAR OF MANUFACTURE **2016** 1000 m ALTITUDE AVERAGE WINDING **65 K**

STANDARD **IEC** HOT SPOT **78 K**

RATED POWER **220 MVA** VACUUM **-TANK** **100 %**

COOLING **ONAN** WITHSTAND **-CONSERVATOR** **100 %**

FREQUENCY **50 Hz** CAPABILITY **-RADIATOR** **100 %**

PHASES **3** TYPE OF OIL **HYVOLT III INHIBITED OIL IEC 60296.1**

CONNECTION SYMBOL **YNd11** MASS TRANSFORMER **114 500kg**

INSULATION LEVELS **-UNTANKING PART** **53 000kg**

h.v. line terminal **LI/SI 950/750 kV** **-OIL** **36 500kg**

h.v. neutral **LI/AC 325/140 kV** **-TANK AND FITTINGS** **204 000kg**

l.v. line terminal **LI/AC 200/95** **-TOTAL TRANSFORMER** **7 650kg**

TAP CHANGER **ABB VUCCRN 380/700** RADIATOR BATTERY **18 200kg**

MAXIMUM ALTITUDE OF OPERATION **1000 m** **-EMPTY BATTERY** **8 150kg**

MATERIAL OF WINDINGS **CU** **-EMPTY RADIATORS** **34 000kg**

WEIGHT OF WINDINGS **37350 kg** **-OIL** **238 000kg**

MATERIAL OF CORE **M075-23P5-DR** **-TOTAL RADIATOR BATTERY** **31.5 kA**

WEIGHT OF CORE **(IEC 60404-8-7)** **-TOTAL TRANSFORMER + BATTERY** **%**

PEAK EFFICIENCY INDEX AT 220 MVA **%**

MAXIMUM SYSTEM SHORT CIRCUIT CURRENT **31.5 kA**

TAP	VOLT	MVA	SHORT CIRCUIT IMPEDANCE (%)
1	HV	32000	220
11	LV	32000	220
21		32000	220

460

HIGH VOLTAGE-TERMINALS: A - B - C - N

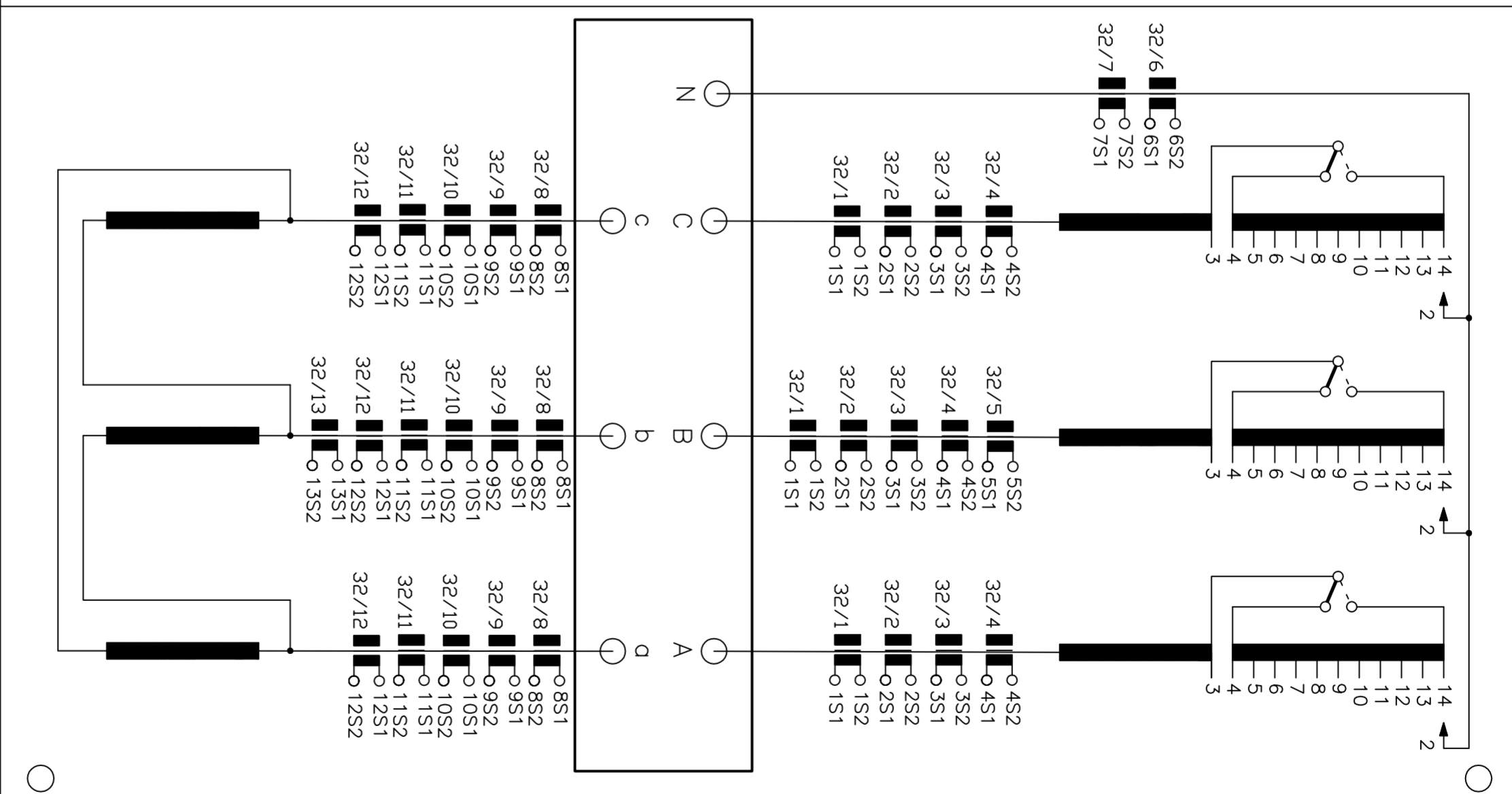
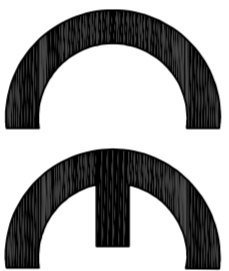
TAP	VOLT	AMPERE	MVA	CONNECTION TAP CHANGER
1	247500	513.2	220	2 - 14
2	245250	522.7	220	2 - 13
3	243000	527.6	220	2 - 12
4	240750	532.6	220	2 - 11
5	238500	532.6	220	2 - 10
6	236250	537.6	220	2 - 9
7	234000	542.8	220	2 - 8
8	231750	548.1	220	2 - 7
9	229500	553.5	220	2 - 6
10	227250	558.9	220	2 - 5
11A	225000	564.5	220	2 - 4
11	225000	564.5	220	2 - 3
11B	225000	564.5	220	2 - 14
12	222750	570.2	220	2 - 13
13	220500	576.0	220	2 - 12
14	218250	582.0	220	2 - 11
15	216000	588.0	220	2 - 10
16	213750	594.2	220	2 - 9
17	211500	600.6	220	2 - 8
18	209250	607.0	220	2 - 7
19	207000	613.6	220	2 - 6
20	204750	620.4	220	2 - 5
21	202500	627.2	220	2 - 4

LOW VOLTAGE-TERMINALS: a - b - c

VOLT	AMPERE	MVA
32000	3969	220

CURRENT TRANSFORMERS

CT	RATIO (A/A)	POWER (VA)	CLASS
32/1,2,6,7	750/1	30	5P30
32/3,4	750/1	10	0.2S Fs<5
32/5	750/4	15	1
32/8,9,10	4000/1	30	5P30
32/11,12	4000/1	10	0.2S Fs<5
32/13	4000/4	15	1



Matière = Acier inoxydable AISI 316
Execution = Texte noir sur fond blanc
Dimensions Plaque signalétique : 460 x 300 x 1 mm

DATE	BY	REV	DESCRIPTION
25/05/2016	DE	1	Polarity CT's LV

RATING PLATE

DESIGN: MS	DATE: 25/05/2016	TITLE: RATING PLATE
DRAWN: MS	DATE: 25/05/2016	
CHECKED: BR	DATE: 11/07/2016	
APP'D: BR	DATE: 11/07/2016	

CG POWER SYSTEMS BELGIUM NV

SERIAL NUMBER: **46005705-5708**

QUANTITY+RATING MVA: **4 + 20**

CUSTOMER: **ENERGNET**

DRAWING NUMBER: **C1677A/46005705/a**

SCALE: **1/1**

PROJECTION: **1st ANGLE**