MANUFACTURER	Grid Solutions ENERJİ ENDÜSTRİSİ A.Ş. 41410 GEBZE / KOCAELİ - TÜRKİYE

TYPE OF TRANSFORMER	POWER	NUMBER OF PHASES	3
SERIAL NO.	*	FREQUENCY	50 Hz
YEAR OF MANUFACTURE	*	CONNECTION SYMBOL	YNd1d1
STANDARD	IEC 60076	SERVICE	CONTINUOUS
COOLING METHOD			ONAN / ONAF

INSULATION LEVELS			
WINDING	HV	HV-N	LV1 / LV2
Um (kV)	123	-	17,5
LI/CW (kV)	550	550	95
AC (kV)	230	230	38

COOLING METHOD	RATED POWER (kVA)		RATED VOLTAGE (V)		CURRENT (A)			
	HV	LV1-LV2	HV	LV1-LV2	POS.1/HV	POS.11/HV	POS.21/HV	LV1-LV2
ONAN	91000	91000	110000	15000	415,3	477,6	561,9	1751,3
ONAF	135000	135000			616,1	708,6	833,6	2598,1

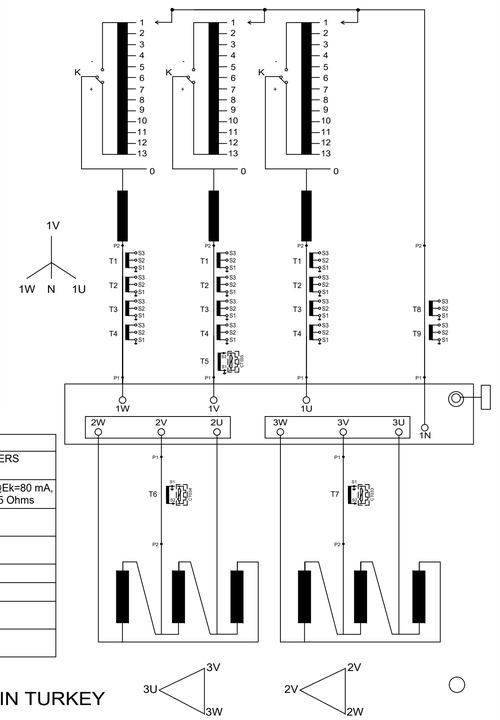
SHORT CIRCUIT IMPEDANCE (%)				
	BASE(kVA)	POS. 1	POS. 11	POS. 21
HV/LV1-LV2	135000	*	*	*

MAX.DURATION OF SHORT-CIRCUIT	MAX.SYMM.SHORT-CIRCUIT CURRENT (kA)	
	HV	LV1-LV2
2 sec	*	*

MAX.AMBIENT TEMPERATURE 40 °C	TOTAL WEIGHT 283 t	TRANSPORT WEIGHT (WITHOUT OIL) 177 t
WINDING TEMPERATURE RISE 63 K	CORE AND COIL ASSEMBLY 139 t	OIL TYPE NYNAS NYTRO LYRA X
OIL TEMPERATURE RISE 58 K	OIL WEIGHT 66 t	

ON-LOAD TAP CHANGER TYPE: MR, VRL III 1600Y-170/E-14 27 3W	IN 1600 A	Um 170 kV	SERIAL NO *
OVERLOAD CONDITIONS IN ACCORDANCE WITH IEC 60076-7	TANK, RADIATORS AND CONSERVATOR ARE VACUUM PROOF.		

HV					
POS.	VOLTAGE (V)	CURRENT (A) ONAN	CURRENT (A) ONAF	TAP-CHANGER SELECTOR	CONNECTION PRE-SELECTOR
1	159720	677,8	903,7	1	K +
2	157410	687,7	917,0	2	
3	155100	698,0	930,6	3	
4	152790	708,5	944,7	4	
5	150480	719,4	959,2	5	
6	148170	730,6	974,1	6	
7	145860	742,2	989,6	7	
8	143550	754,1	1005,5	8	
9	141240	766,4	1021,9	9	
10	138930	779,2	1038,9	10	
11	136620	792,4	1056,5	11	
12	134310	806,0	1074,7	12	
13A	132000	820,1	1093,5	13	
13	132000	820,1	1093,5	K	K -
13B	132000	820,1	1093,5	1	
14	129690	834,7	1112,9	2	
15	127380	849,8	1133,1	3	
16	125070	865,5	1154,1	4	
17	122760	881,8	1175,8	5	
18	120450	898,7	1198,3	6	
19	118140	916,3	1221,8	7	
20	115830	934,6	1246,1	8	
21	113520	953,6	1271,5	9	
22	111210	973,4	1297,9	10	
23	108900	994,1	1325,4	11	
24	106590	1015,6	1354,1	12	
25	104280	1038,1	1384,1	13	



CURRENT TRANSFORMERS					
DESCRIPTION	CLASS	TERMINAL	RATIO (A/A)	BURDEN (VA)	TECHNICAL PARAMETERS (Vk, Rct, Imag)
T1	PX-B(SPT)	S1 - S2	1000/1	-	Min. Ek= 700V; Max.Ie@Ek=80 mA, Max. Rct@75 °C=4.5 Ohms
		S1 - S3	1200/1		
T2	Cl.1 5P20	S1 - S2	600/1	30	-
		S1 - S3	1200/1		
T3,T4	PX-B(NG)	S1 - S2	500/1	-	-
		S1 - S3	1000/1		
T5	3	S1 - S2	1450/2	10	
T6,T7	3	S1 - S2	2400/2	10	
T8	Cl.1 5P20	S1 - S2	1000/1	-	-
		S1 - S3	2000/1		
T9	PX-B(NG)	S1 - S2	600/1	-	-
		S1 - S3	1200/1		

T01106880

MADE IN TURKEY

PLATE D297 x 420 T00749789

* MISSING VALUES ARE TO BE WRITTEN AFTER ACCEPTANCE TESTS

This document is the exclusive property of Grid Solutions and shall not be used, copied or communicated to third parties without its prior authorization.

00.4	----	ERK	----	----	----
Ver.	Date	Draw	Chk	App	Change Notice Number.

Status : IN WORK(Digitally signed) | File Name: PA585_01_RATING_PLATE

General tolerances: ISO 2768 "m for machining; c for fabrication" | Surface texture: ISO 1302 | All dimensions in millimetres unless otherwise stated

IF IN DOUBT - PLEASE ASK !

Project: WINDYHILL | PDM Number: T01106880

Title: RATING PLATE | Scale: */*

Grid Solutions Enerji Endüstrisi A.Ş.

Drawing no: T01106880 | Sheet no: 1 | Total: 1 | Size: A1

© 2004