



TECHNICAL SPECIFICATIONS

BETA ENERJİ VE TEKNOLOJİ ANONİM ŞİRKETİ
Acıdereoslu Mah. Çanakkale Cd. No: 11
Sarıçam / ADANA - Tel: 444 71 07
Faks: 0 322 394 42 53 - Merkezi No: 0322 394 5529 00001
Yüceğir V.D. 858 115 6259

BSA.24.54

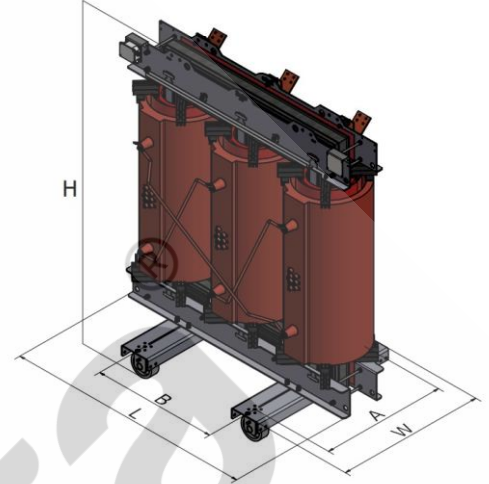
CAST RESIN TRANSFORMER

Elc. Eng. Halime BOZ

23.07.2024

ELECTRICAL DATA

Standards:	IEC 60076-11	
Service:	Distribution	
Rated Power	12000	kVA
Primary Side:		
Rated Voltage	6,3	kV
Voltage Tappings	$\pm 2 \times 2.5\%$	kV
Rated Current	1099,71	A
Connection	Star+N	
Secondary Side:		
Rated Voltage	10,5	kV
Rated Current	659,83	A
Connection	Delta	
No Load Loss	13500	W
Load Loss at 120°C	50000	W
Short Circuit Impedance at 120°C (\pm IEC tolerances)	10	%
Sound Pressure Level	70	dB
Partially Discharge Level	≤ 10	pC
Number of Phase	3	
Frequency	50	Hz
Vector Group	YNd11	
Insulating Class (Primary/Secondary)	F/F	
Maximum Temperature Rise of Windings	100	K
Cooling Method	AN	
Conductor Material (Primary/Secondary)	AL/AL	
Insulation Level of Primary Side (6300V)	7,2/20/60	kV
Insulation Level of Secondary Side (10500V)	12/28/75	kV
Classes:		
Climatic	C2	
Environmental	E2	
Fire	F1	
Altitude	1000	m
Location	Indoor	
Enclosure		
Protection Class	IP00	
Material	-	
Thickness of Steel Sheet	-	
Thickness of Coating	-	
Colour	-	
Enclosure Weight	-	



DIMENSIONS

Length	L	3330	mm
Width	W	1750	mm
Height	H	3000	mm
Wheels Center	AxB	1505x1505	mm
Wheels Diameter		200	mm
Transformer Weight		19000	kg
Total Weight		19000	kg

*Dimensions and weight are $\pm 10\%$ tolerated.

INCLUDED ACCESSORIES

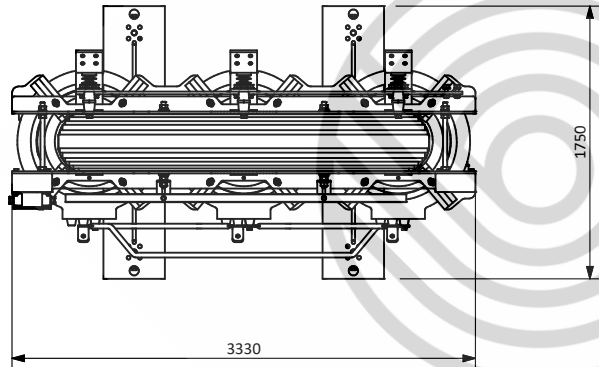
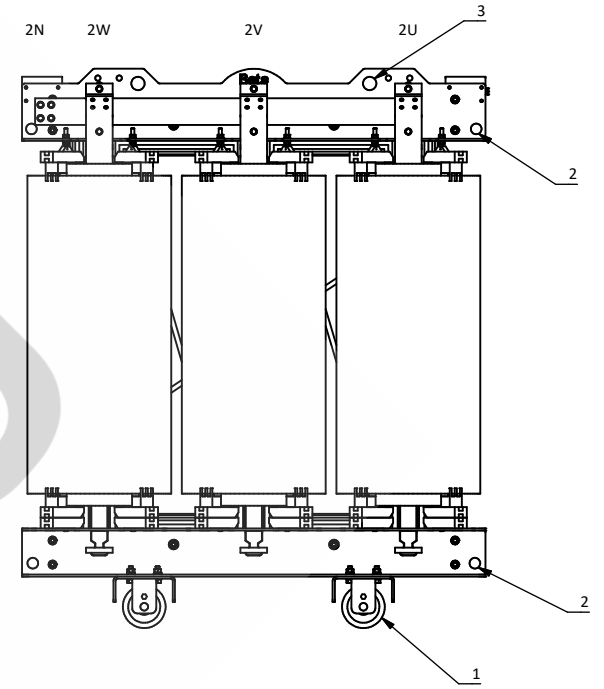
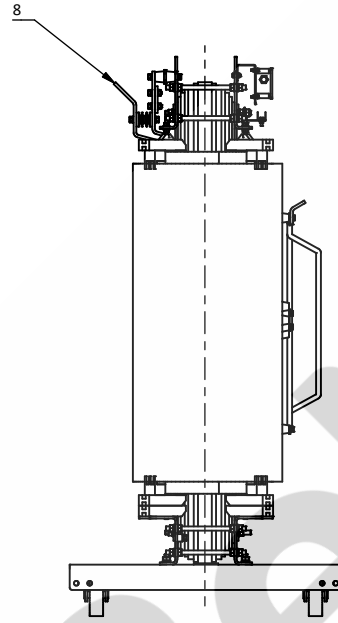
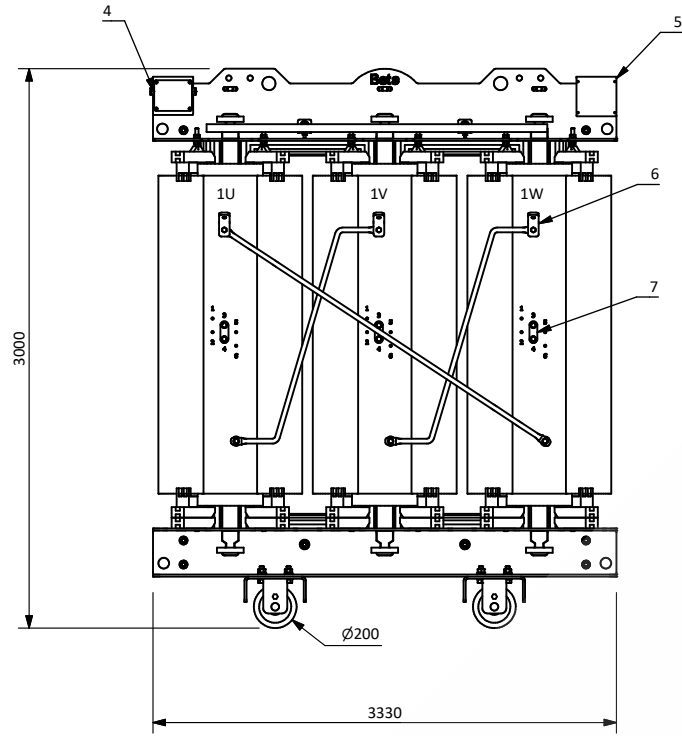
- PT100 temperature sensors
- PT100 distribution box IP55
- Temperature Controller Relay
- Wheels (Adjustable in two ways)
- Rating Plate
- Earthing terminal
- Eyebolts for horizontal moving
- Lifting Lugs
- Use and Maintenance Manuel
- Routine Test Report

Technical Remarks: Tolerance and tests according to IEC 60076 (if not otherwise indicated)

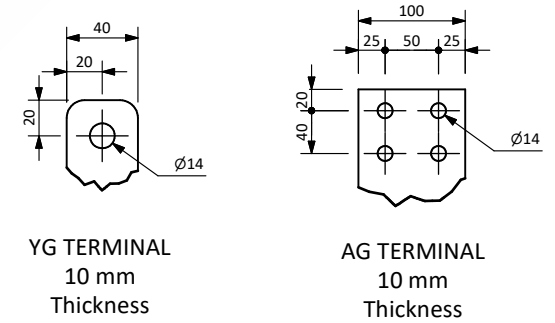
Dimensions and weight are approximate and will be confirmed after PO

Warranty referred at nominal power rating and nominal voltage ratio (the highest in case of double primary voltages)

Sound pressure level referred at 1000 mm with AN and +3 dB tolerance



- 1- WHEEL
- 2- PULLING LUG D=40
- 3- LIFTING LUG D=50
- 4- PT100 TERMINAL BOX
- 5-NAMEPLATE
- 6- HV TERMINAL
- 7- HV TAP LINK
- 8- LV TERMINAL



TOTAL MASS = 19000 kg.

Revision	Date	Prepared	Checked	Description	
00	23.07.2024			First Issue	
Project :				Title	
12000 kVA 10,5/6,3 kV Dyn11				DIMENSIONAL DRAWING	
				Drawing No	
All dimensions are in mm.					
All dimensions are toleranced ±10%					
Scale: A3					
		Page	Total Page		
		1	1		