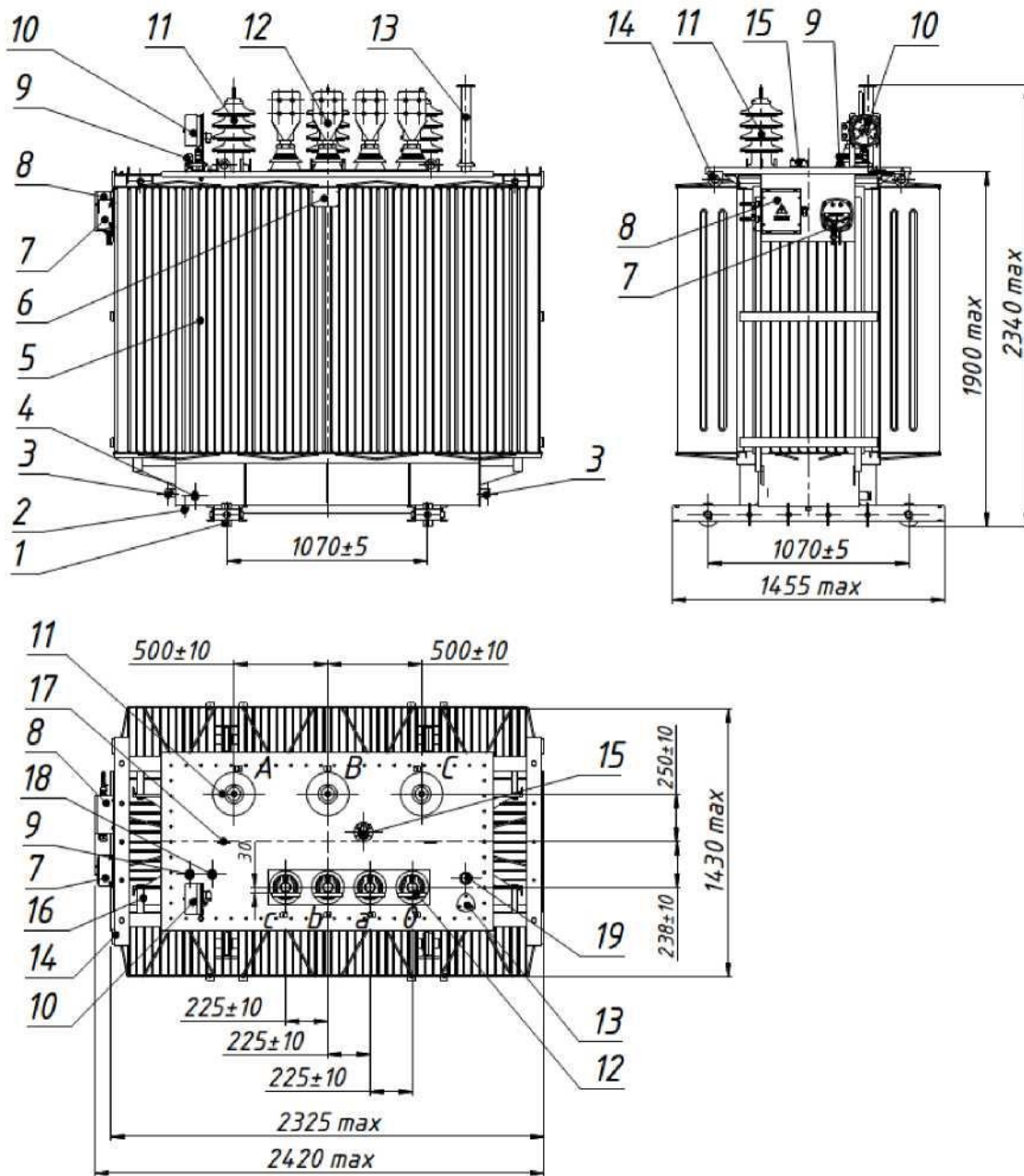


**General view and overall and fitting dimensions of the TMГ21-2500/35-Y1 (XJ11, YXJ1) transformer with voltage ratio of 35 / 0.4 kV equipped with a pressure-and-vacuum gauge and a manometer thermometer**



The weight of the oil is 1800 kg. The total weight of the transformer is 6800 kg. The maximum deviation of the total mass + 10%

- 1- wheel ; 2- residual oil removing plug; 3- earthing terminal; 4 – oil drain valve; 5 - tank; 6 – rating plate; 7 - manometer thermometer (optional); 8- terminal box (installed when ordering a vacuum gauge and / or a manometer thermometer); 9 - oil indicator; 10 - pressure-and-vacuum gauge (optional); 11 – HV bushing; 12 – LV bushing; 13 - oil filling unit; 14- fastening unit during transportation; 15- tap changer; 16- lifting unit; 17-cover lifting ring; 18-thermometer pocket; 19 - pressure relief valve.

## Technical characteristics of the TMГ21-2500/35-Y1 power transformer

1	Type.....		
2	Nominal frequency.....	50	Hz
3	Nominal power.....	2500	kVA
4	Nominal voltage for HV-side.....	35	kV
5	Nominal voltage for LV-side.....	0,4	kV
6	Nominal current for HV-side.....	41,2	A
7	Nominal current for LV-side.....	3608	A
8	Method, scope & voltage regulation steps on the HV-side.....(tapping without loading)	±2x2,50	%
9	Short circuit voltage at 75°C (±10%).....	6,5	%
10	No-load losses (+15%).....	3200	W
11	Short circuit losses at 75°C (+10%).....	26500	W
12	Scheme & connection group of windings.....	Dyn-11	
13	Test voltage (for one minute):		
		HV-side	85 kV
		LV-side	5 kV
14	Climatic execution & allocation category.....	Y1	
15	Protection class.....	IP00	
16	Overall dimensions (max):		
		length	2420 mm
		width	1455 mm
		height	2340 mm
17	Transformer weight (+10%).....	6800	kg
18	Constructional particulars:		
	A) the difference of DC resistance between individual pairs of the HV winding terminals - not more than 4%, of the LV winding terminals - no more than 4%		
	B) the transformer is equipped with a manometer thermometer ТКП-160		
	C) the transformer is equipped with a pressure-and-vacuum gauge ДА 2005Сг У3-150кПа – IV ТУ 4212-040-00225590-2001		
19	Other requirements according to:		
	– ГОСТ 11677-85		
	– ТУ РБ 100211261.015-2001		

Remarks: (incl. climatic features)