



SZ11 Type On-Load Voltage Regulating Transformers

Model:SZ11

The SZ11 Type oil-immersed distribution transformers produced by Xinte have the characteristics of low loss, low noise, low temperature rise, high reliability, core-hanging free, and no oil leakage. The product adopts advanced design software to carry out electromagnetic calculation, through analysis of the transformer's main and longitudinal insulation, impulse voltage gradient distribution, end electric field distribution, short-circuit thermal stability and dynamic stability strength by computer to ensure the

transformer's design margin, so as to ensure the safe and reliable operation of the transformer.

Product Introduction

SZ11 series on-load voltage-regulating power transformers use CAD design software, with advanced design, reasonable structure, and excellent subject selection. All basic indicators meet the standards of GB1094/2013 "Power Transformer" and GBAT6451/2015 "Technical Parameters and Requirements for Three-Phase Oil-Immersed Power Transformers", and are at the leading level in China. They can be widely used in urban and rural industrial and agricultural power grids, which is of great significance to energy conservation and environmental protection. The stacking method of the core sheets of this product is in stages, which changes the traditional core stacking process and improves the magnetic circuit distribution inside the core, so that the no-load loss, no-load current and noise are reduced by 20% and the load loss is reduced by 10% respectively compared with the transformer with the traditional stacking method core.

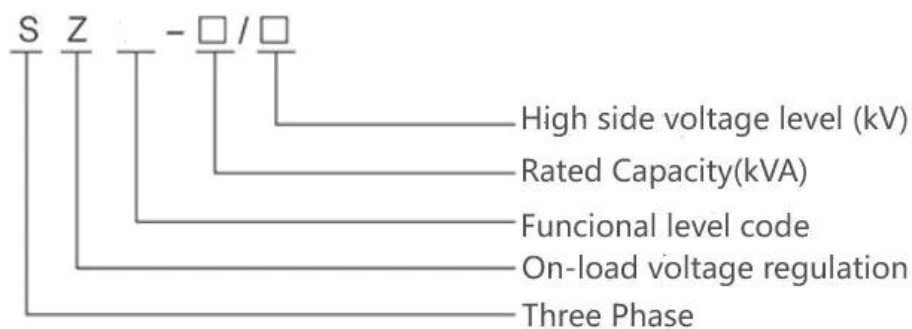
Environmental Conditions

- 1). Ambient air temperature: + 40 °C - -40°C
- 2). a height of not more than 2000 meters above sea level
- 3). the wind speed is not greater than 35m/s
- 4). anti-contamination level for grade IV
- 5). the earthquake intensity does not exceed 8 degrees
- 6). no fire, explosion, severe chemical corrosion of the place

Performance characteristics

1. Advanced Silicon steel sheet cold rolling core less than or equal to 0.3mm/45 degree trapping cut protection from damp & rust.
2. Except the small capacity lower than 315 kva adopted copper conductor, others adopts copper foil intensifying its mechanism.
3. Low noise winding cooling device also gives a bonus point of the transformer, which increases 40% working capacity.
4. Temperature-sensing device & sensing system makes sure the safety of transformer.
5. IP20 of the transformer makes sure the dustproof feature and IP23 the waterproof feature.
6. The protective coat ensures the safety of animals and people.

Model Meaning



SZ11 series 10kV technical parameters

Rated Capacity KVA	Voltage Combination			Connection Symbol	Off-load Loss (W)	Short Circuit Impedance (%)	Impedance (%)
	High Voltage (kV)	Tapping Range (%)	Low Voltage (kV)				
30	6 6.3 10 10.5 11	±5 ±2x2.5	0.38 0.4 0.415 0.433	Dyn11 Yyn0	90	2.1	4
50					120	2	
63					140	1.9	
80					170	1.8	
100					200	1.6	
125					235	1.5	

SZ11 series 35kV technical parameters

Rated	Rated voltage	Connecti	No-lo	Loss	Impedan	Reference	reference weight	track gauge
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Capacity (kVA)	(kV)			on of winding	ad curren t (%)	(W)		ce voltage (%)	dimensions (mm)			(kg)			Landscape×Ver tical (mm)				
	high volta ge	Tap	low volta ge			No-lo ad loss	Load loss		lengt h	Widt h	hig h	Body	Oil weig ht	Total weig ht					
2000	3538. 5	±3 ×2.5 %	6.3 10 10.5	Yd11 YNd11	0.8	2300	1923 0	6.5	3105	219 5	280 5	2775	1560	5965	1070×1070				
2500					0.8	2550	2064 0		3105	253 5	298 0	3300	1750	6950	1070×1070				
3150					0.72	3030	2471 0	7.0	3220	272 5	284 0	3770	1970	7900	1070×1070				
4000					0.72	3630	2915 5		3310	291 5	307 0	4520	2260	9110	1070×1070				
5000					0.68	4350	3420 0		3480	302 0	314 5	5480	2475	1085 5	1070×1070				
6300					3538. 5	±3 ×2.5 %	6.3 10 10.5	Yd11 YNd11	0.68	5280	3676 5	7.5	3590	290 5	321 0	6810	2620	1230 0	1475×1475
8000									0.60	7380	4061 0		4070	305 0	359 5	8066	3330	1530 0	1475×1475
10000									0.60	8700	4805 0		4105	279 5	365 5	9705	3750	1785 8	1475×1475
12500									0.56	10260	5685 0	8.0	4570	301 0	384 0	1096 3	4125	2004 2	1475×1475
16000									0.54	11400	7032 0		5235	329 5	461 5	1314 0	4900	2374 0	1475×1475
20000	0.54	13500	8278 0	5360					341 5	466 0	1565 3		5700	2818 6	1475×1475				

Shipping: Land transportation/Ocean transportation: Our products have been shipped all around the world, with an extensive logistic network, we provide the best transportation option for our clients.