

S11, S11-M SERIES LOW LOSS AND ENERGY SAVING DISTRIBUTION TRANSFORMER



Scope of application

S11-M series oil-immersed transformer can be widely used in high-rise buildings, commercial centers, subways, airports, stations, industrial and mining enterprises, drilling platforms, oil platforms, especially suitable for flammable, explosive and other fire protection requirements and harsh environment places. It can also be used in residential areas, commercial streets, industrial and mining enterprises and rural power and lighting.

Structural features

S11-M series oil-immersed transformer adopts high quality grain orientation cold rolled silicon steel sheet iron core, all inclined non-hole binding structure, the iron core is multi-level step shape, three joints or five joints, low air loss, low noise; Coil: the use of high quality QQ lacquer coated round copper wire, oxygen free copper rod drawn flat copper money or copper knot wound, its form has cylinder type, continuous type, new screw type, split type, etc., with enough electrical strength, mechanical strength and heat dissipation capacity. Fuel tank: The use of high quality steel plate welded, elliptic, rectangular and other structures, cooling elements using chip radiator, expansion heat dissipator or corrugated oil tank, the tank in the factory for reliable sealing test, the internal and external surface after pickling, phosphating treatment, three bottom side paint coating, both corrosion resistance and beautiful.

The main technical parameter number

20kV class S11 series oil immersed distribution transformer without excitation regulation technical parameters

Rated capacity (kVA)	Voltage combination				No-load loss(W)	Load Loss (W)	No-load current (%)	Short circuit impedance(%)	Gauge AxB (mm)
	High voltage (kV)	High voltage tap range	Low voltage (kV)	Connection group label					
30	20	±5%; or ±2×2.5%	0.4	Yyn0 or Dyn11	100	690/660	2.1	5.5	450×450
50					130	1010/960	2.0		450×450
63					150	1200/1150	1.9		450×450
80					180	1440/1370	1.8		450×450
100					200	1730/1650	1.6		450×450
125					240	2080/1980	1.5		450×450
160					290	2540/2420	1.4		550×550
200					340	3000/2860	1.3		550×550
250					400	3520/3350	1.2		550×550
315					480	4210/4010	1.1		550×550
400					570	4970/4730	1.0		550×550
500					680	5940/5660	1.0	6	550×550
630					810	6820	0.9		820×820
800					980	8250	0.8		820×820
1000					1150	11330	0.7		820×820
1250					1380	13200	0.7		820×820
1600					1660	15950	0.6		820×820
2000					1950	19140	0.6		1070×1070
2500					2340	22220	0.5		1070×1070

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35kV class SZ11 series no excitation voltage regulation power transformer technical parameters

35kV class SZ11 series no excitation voltage regulation power transformer technical parameters

Rated capacity (kVA)	Voltage combination				No-load Loss (W)	load Loss (W)	No-load Current (%)	Short circuit Impedance(%)	Gauge AxB (mm)	Weight (kg)		
	High voltage (kv)	High voltage tap range	Low voltage (kv)	Connection group label						Body weight	Insulation oil weight	Total weight
2000	35; 38.5	$\pm 3 \times 2.5$	6.3; 6.6; 10.5; 11;	Yd11	2300	19200	0.5	6.5	1070×1070	2800	1900	6800
2500					2720	20600	0.5		1070×1070	3350	2100	7500
3150					3230	24700	0.5	7.0	1070×1070	3720	2250	8580
4000					3870	29100	0.5		1070×1070	4375	2900	10345
5000					4.64	34200	0.5		1475×1475	4900	3100	11200
6300				Ynd11	5630	36700	0.5	7.5	1475×1475	6410	3300	12280
8000					7870	40600	0.4		1475×1475	8390	3610	17150
10000					9280	48000	0.4		1475×1475	9150	4720	19740
12500					10970	56800	0.35	8.0	1475×1475	11340	5010	21400
16000					13100	70300	0.35		2040×2040	13410	5200	25630
20000					15500	82700	0.3		2040×2040	15740	5960	28680
25000					18300	97800	0.3	10	2040×2040	17055	6620	33500
31500					21800	116000	0.3		2040×2040	21800	9400	43020

Technical parameters of 35kV class S11 non-exciting voltage regulation distribution transformer

Rated capacity (kVA)	Voltage combination				No-load Loss (W)	Load Loss (W)	No-load Electric current (%)	Short circuit Impedance (%)	Gauge A×B (mm)	Weight (kg)		
	High voltage (kv)	high voltage tap Range	Low voltage (kv)	Connection group label						Body weight	Insulation oil weight	Total weight
50	35; 38.5	$\pm 2 \times 2.5\%$	0.4	Yyn0 or Dyn11	160	1200/1140	1.3	6.5	450×450	233	263	827
100					230	2010/1910	1.1		450×450	348	310	827
125					270	2370/2260	1.1		450×450	406	340	1037
160					280	2820/2680	1.0		450×450	496	350	1110
200					340	3320/3160	1.0		450×450	557	370	1200
250					400	3950/3760	0.95		550×550	646	400	1360
315					480	4750/4530	0.95		550×550	771	450	1620
400					580	5740/5470	0.85		550×550	890	500	1850
500					680	6910/6580	0.85		550×550	1070	560	2140
630					830	7860	0.65		550×550	1245	610	2420
800					980	9400	0.65		820×820	1450	670	2710
1000					1150	11500	0.65		820×820	1665	760	3280
1250					1400	13900	0.6		820×820	1910	810	3560
1600					1690	16600	0.6		820×820	2187	890	4060
2000					1990	19700	0.55		1070×1070	2720	1059	5161
2500					2360	23200	0.55		1070×1070	3236	1143	5912



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10kV class S11 no excitation voltage regulation distribution transformer technical parameters

Rated capacity (kVA)	Voltage combination				No-load loss (W)	Load Loss (W)	No-load Current (%)	Short circuit Impedance(%)	Gauge A×B (mm)	Weight (kg)		
	High voltage (kV)	high voltage tap Range	Low voltage (kV)	Connection group label						Active part weight	Insulated oil weight	Total Weight
30	6 6.3 10 10.5 11	±2 ×2.5%; or ±5%;	0.4	Yyn0 or Dyn11	100	630/600	1.5	4.0	400×400	135	65	253
50					130	910/870	1.3		400×400	210	75	335
63					150	1090/1040	1.2		400×400	235	90	435
80					180	1310/1250	1.2		400×450	270	95	450
100					200	1580/1500	1.1		400×450	338	101	515
125					240	1890/1800	1.1		400×450	375	115	600
160					280	2310/2200	1.0		550×550	465	125	695
200					340	2730/2600	1.0		550×550	538	152	840
250					400	3200/3050	0.9	4.5	550×550	610	171	990
315					480	3830/3650	0.9		550×550	733	189	1116
400					570	4520/4300	0.8		550×550	862	220	1357
500					680	5410/5150	0.8		550×550	1078	269	1596
630					810	6200	0.6		660×660	1140	280	1690
800					980	7500	0.6		820×820	1260	310	2050
1000					1150	10300	0.6		820×820	1410	375	2565
1250					1360	12000	0.5		820×820	1705	490	2950
1600					1640	14500	0.5	5.0	820×820	2031	614	3569
2000					1940	18300	0.4		820×820	2361	790	4108
2500					2290	21200	0.4		1070×1070	2837	860	4960