

OIL-IMMERSED Distribution Transformer

Logo & Packaging Customization

Parameter & Drawing Design Customization



OPTIMIZED PERFORMANCE



HIGH EFFICIENCY



SUPERIOR SAFETY



ECO FRIENDLY



MAINTENANCE FREE



Overview

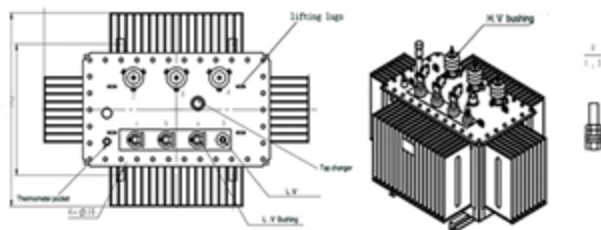
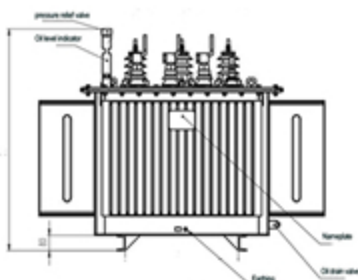
Good economic performance: The no-load current drops by 60% - 80% on average. The no-load loss is reduced by 25% - 35% on average.

Long lasting: The transformer oil tank adopts a fullysealed structure. The oil tank and the tank edge can beconnected by bolts or welding. The pressure oil does notcome into contact with the air, extending the service life.

High operational reliability: The relevant parts of the fuel tank seal have been improved to increase reliability and improve the process level to ensure. Prove thereliability of the seal.

Small footprint: The transformer oil tank adopts a corrugated plate radiator. When the oil temperaturechanges,the corrugated plate thermal expansion and contraction can replace the role of the oil conservator. The corrugated plate oil tank has a beautiful appearance and a small footprint.

Outline Drawing



Note: Detail and dimension the relative positions of the main transformer center, foundation, oil sump, and firewall.

Application



Rural Grid & Farms

cost-Effective, Robust & Durable

Outdoor Substations

Moisture-Proof & High Environmental Adaptability



Mining & Energy Sites

Simple Structure & Extended Maintenance Cycles



Industrial & Infrastructure Power
Lower Cost & Higher Returns & Greater Load capacity



Accessories / Components



High-Voltage Switchgear



Low-Voltage Switchgear



Relay Protection Panel



Surge Arrester



DC Power Supply System

Technical Parameters

Sheet 1, Basic performance parameter of S11 type 10kV three-phase oil-immersed distribution transformer

Rated capacity(kVA)	Rated voltage(V)		vector group	No-load current(%)	Loss(W)		Short circuit impedance	Outline dimensions(mm)			Weight(kg)	Gage horizontal* vertical (mm)		
	H.V.	L.V.			No load	with load		L	W	H				
30	6.8 6.3 10 250 315 400 500 630 800 1000 1250 1600 2000 2500	0.4 x1% x1.2-1.5%	Yyn0 Dyn11	3.8	55	310	4.8	615	400	945	110	50	245	350
20				3.0	80	475		750	415	975	125	55	290	550
30				2.1	100	600		1025	425	995	145	67	330	400
50				2.0	130	870		1075	440	1025	224	90	410	400
63				1.9	150	1040		1125	465	1065	240	105	480	400
80				1.8	180	1250		1150	475	1105	320	120	560	400
100				1.6	200	1500		1180	495	1115	340	154	590	400
125				1.5	240	1800		1200	505	1205	390	168	680	550
160				1.4	280	2200		1235	525	1225	499	179	840	550
200				1.3	340	2600		1265	545	1255	592	188	960	550
250	1.2	400	3050	1295	565	1275	724	245	1120	550				
315	1.1	480	3650	1330	585	1335	712	300	1150	550				
400	1.0	570	4300	1395	780	1375	953	330	1430	550				
500	1.0	680	5150	1465	825	1455	1120	340	1690	660				
630	0.9	810	6200	1565	845	1475	1289	440	1960	660				
800	0.8	980	7500	1685	925	1575	1430	490	2350	820				
1000	0.7	1150	10500	1805	1095	1685	1790	560	2720	820				
1250	0.6	1360	12000	1925	1195	1715	2000	630	3300	820				
1600	0.6	1640	14500	1995	1235	1805	2300	720	3800	820				
2000	0.6	1940	18000	2155	1275	1915	3130	790	5145	820				
2500	0.5	2290	21200	2265	1385	1945	4218	930	6420	1070				

Sheet 2, Basic performance parameter of S13 type 10 kV three-phase oil-immersed distribution transformer

Rated capacity(kVA)	Voltage group and winding range			Vector group	No-load loss k W	With load loss k W	No-load current %	Short circuit impedance %	Outline dimensions(mm)			Weight(kg)		Gage horizontal vertical (mm)	
	H.V. kV	L.V. kV	Winding range						L	W	H	of weight	of weight		
30	6 10/5 11	x5	A2-2.5	0.4	Dyn11	0.08	0.63	2.1	4.0	1070	740	1380	100	420	400*400
50						0.10	0.91	2.0		1070	740	1425	125	515	
63						0.11	1.09	1.9		1110	760	1430	125	570	
80						0.13	1.31	1.8		1140	780	1450	140	605	
100						0.15	1.58	1.6		1155	785	1480	150	670	
125						0.17	1.89	1.5		1160	790	1520	160	750	
160						0.20	2.31	1.4		1230	815	1535	185	890	
200						0.24	2.73	1.3		1260	830	1565	200	1000	
250						0.29	3.20	1.2		1310	860	1640	230	1090	
315						10	5	A2-2.5		0.4	0.34	3.83	1.1	1350	
400	10/5	11	0.41	4.52	1.0	1390	900	1740	275	1490					
500	0.48	5.41	1.0	1530	940	1860	315	1630							
630	0.57	6.20	0.9	1630	1050	1845	365	2090							
800	0.70	7.50	0.8	1785	1165	1985	415	2700							
1000	0.83	10.30	0.7	2280	1180	2220	500	3250	4.5	2400	1230	2560	560	3700	800*800
1250	0.97	12.20	0.6	2400	1320	2605	640	4400							
1600	1.17	14.50	0.6	2480	1400	2940	840	5450	5.5	2480	1620	3040	980	6320	1070*1070
2000	1.35	18.30	0.5	2480	2400	2940	840	5450							
2500	1.63	21.20	0.4	2480	2620	3040	980	6320							

Sheet 3, Basic performance parameter of S11-M-30-2500/20 type distribution transformer

Rated capacity(kVA)	Voltage group and range		Vector group	No-load line kV	with load kV	No load current %	Short circuit impedance	Outline dimensions(mm)			Weight(kg)		Gage horizontal vertical (mm)
	H.V. kV	L.V. kV						L	W	H	oil weight	oil weight	
30	20	0.5 ±2%2.5	Dyn11	0.09	0.66	2.1	5.5	1040	600	1040	75	350	400*400
50				0.13	0.96	2.0		1040	600	1085	90	445	
63				0.15	1.145	1.9		1080	620	1090	100	500	
80				0.18	1.37	1.8		1110	640	11110	105	535	
100				0.20	1.65	1.6		1235	600	1210	120	580	
125				0.24	1.98	1.5		1245	610	1220	125	660	
160				0.28	2.42	1.4		1265	630	1230	130	700	
200				0.34	2.86	1.3		1140	720	1330	195	835	
250				0.40	3.35	1.2		1325	650	1490	410	1110	660*660
315				0.48	4.01	1.1		1380	650	1725	420	1420	
400				0.57	4.73	1.0		1400	685	1810	430	1720	
500				0.68	5.66	1.0		1500	690	1850	480	1940	
630				0.81	6.82	0.9		1645	710	1890	490	2055	
800				0.98	8.23	0.8		1755	725	1890	520	2600	
1000				1.25	12.30	0.7		2270	740	1890	585	2870	
1250	1.35	13.20	0.6	2400	1130	2040	620	3560					
1600	1.63	15.95	0.6	2460	1230	2085	690	4260					
2000	1.95	19.14	0.6	2480	2400	2940	860	5550					
2500	2.34	22.22	0.5	2480	2630	3040	990	6320					

Sheet 4, Basic performance parameter of S11-M-30-2500/20(10) type distribution transformer

Rated capacity(kVA)	Voltage group and tapping range			vector group	No-load loss kW	With load loss kW	No load current %	Short circuit impedance	Outline dimensions(mm)			Weight(kg)		Gage horizontal* vertical (mm)
	H.V. kV	H.V. tapping range	L.V. kV						L	W	H	oil weight	oil weight	
30	20 (10)	45 ±2*2.5	0.4	Dyn11	0.09	0.66	2.1	5.5	1040	600	1070	75	360	400*400
50					0.13	0.96	2.0		1040	600	1095	90	460	
63					0.15	1.145	1.9		1080	620	1100	100	520	
80					0.18	1.37	1.8		1110	640	1130	105	555	
100					0.20	1.65	1.6		1235	600	1230	120	590	
125					0.24	1.98	1.5		1245	610	1230	125	670	500*500
160					0.28	2.42	1.4		1265	630	1250	130	720	
200					0.34	2.86	1.3		1140	720	1350	195	855	
250					0.40	3.35	1.2		1325	650	1500	410	1130	
315					0.48	4.01	1.1		1380	650	1740	420	1430	
400	0.57	4.73	1.0	1400	685	1820	430	1715						
500	0.68	5.66	1.0	1500	690	1870	480	1990						
630	0.81	6.82	0.9	1645	710	1870	490	2055						
800	0.98	8.23	0.8	1755	725	1880	520	2400	820*820					
1000	1.15	11.33	0.7	2270	740	1880	585	2870						
1250	1.25	13.20	0.6	2400	1230	2040	620	3560						
1600	1.43	15.95	0.6	2460	1230	2085	690	4285						
2000	1.95	19.14	0.6	2460	2400	2940	860	5550						
2500	2.34	22.22	0.5	2460	2620	3040	990	6320						

Sheet 1, Basic performance parameter of S11 type 35kV double winding without excitation voltage regulating distribution transformer

Rated capacity(kVA)	Rated voltage(V)		Vector group	No-load current(%)			Loss(W)	Short circuit impedance	Outline dimensions(mm)			Weight(kg)		Gage				
	H.V. tapping range	L.V.		No load	No load	100% load			L	W	H	body weight	oil weight	horizontal	vertical			
50	35 or 38.5	a5% or a2+2.5%	0.4	Ynd Dyn11	1.6	170	1150	1195	895	1825	300	330	860	660				
100					1.4	230	1920	1200	925	1925	470	385	1130	660				
125					1.4	270	2280	1235	940	1955	500	465	1335	660				
160					1.3	290	2690	1265	965	1960	580	465	1475	660				
200					1.2	340	3160	1310	1090	1985	680	595	1750	660				
250					1.1	400	3760	1450	1150	2010	860	650	2000	820				
315					1.1	480	4530	1500	1155	2020	860	765	2290	820				
400					1.0	560	5470	1650	1065	2115	1170	865	2725	820				
500					1.0	680	6580	1840	1205	2415	1340	960	3090	820				
630					0.9	800	7670	2140	1240	2515	1550	895	2815	820				
800					0.8	980	9400	2305	1540	2685	1990	1030	4510	820				
1000					0.8	1150	11540	2455	1590	2590	2280	1305	4020	820				
1250					0.8	1400	13940	2545	1615	2675	2415	1475	5055	820				
1600					0.7	1690	16670	2680	2010	2870	2600	1490	5490	820				
630					35 or 38.5	a5% or a2+2.5%	10	Ynd11	0.6	830	7670	2140	1050	2220	1580	925	3275	820
800									0.9	980	9400	2275	1330	2400	1870	1115	4085	820
1000	0.8	1150	11540	2450					1670	2470	1805	97	3705	820				
1250	0.8	1410	13940	2555					1770	2615	2020	1010	4300	820				
1600	0.7	1750	16670	2680					1780	2680	2365	1090	4945	820				
2000	0.6	2180	16380	2800					1890	2750	2745	1210	5215	1070				
2500	0.6	2560	19670	2890					1980	2820	3320	1330	6080	1070				
3150	0.5	3040	23090	2850					2185	2960	3865	1520	7050	1070				
4000	0.45	3620	27360	2855					2250	3100	4600	1750	8490	1070				
5000	0.45	4320	33190	3000					2365	3155	5525	1950	8985	1070				
6300	0.4	5250	35060	2970					2530	3250	6770	2320	11490	1070				
8000	0.4	7200	38480	3130					2645	3210	8095	2500	14120	1475				
10000	0.35	8700	45320	3565					2750	3830	6860	2850	16480	1475				
12500	0.35	10080	53560	4150					2765	3950	10830	3250	18345	1475				
16000	0.3	12160	65830	4860					2860	4720	13330	3790	22907	1475				
20000	0.3	14400	79510	4560					3225	4865	17035	4365	29367	1475				
25000	0.3	17020	94950	4810	3490	4910	21310	5280	35370	1475								
31500	0.25	20220	113860	4760	3790	5100	25310	6450	39860	1475								