

10KV Oil Immersed Distribution Transformer



The 10kV oil-immersed distribution transformer is used to step down 10kV transmission voltage to lower distribution voltage levels such as 0.4kV. Based on voltage regulation methods, it is mainly classified into two types: double-winding no-load tap-changer transformers and on-load tap-changer transformers. The transformer adopts oil-immersed insulation and cooling structure and uses high-quality silicon steel cores and oxygen-free copper or aluminum windings.

S11 series 10kV three-phase oil-immersed distribution transformer

(kVA)Nominal capacity	(KV)HV (High voltage)	High voltage tapping range	(KV) LV (Low voltage)	Vector group	No-load loss
30	6 6.3 10 10.5 11	±5% 或 ±2*2.5%	0.4	Yyn0 或 Dyn11	100
50					130
63					150
80					180
100					200
125					240
160					280
200					340
250					400
315					480
400					570
500					680
630					810
800					980
1000					1150
1250					1360
1600					1640
2000	1940				
2500	2290				

(KVA)Nominal capacity	(KW)Load loss	(%)No-load current	(%)Impedance	(kg)Total weight	(mm)L×W×H	(mm)Installation center / Installation hole	
30	630/600	1.8	4.0	345	1175*680*925	400×400/4×Φ14	
50	910/870	1.6		430	1190*700*985	400×400/4×Φ14	
63	1090/1040	1.5		500	1210×710×1015	400×400/4×Φ14	
80	1310/1250	1.4		570	1240×730×1080	400×400/4×Φ19	
100	1580/1500	1.3		590	1255×730×1095	400×400(500)/4×Φ19	
125	1890/1800	1.2		675	1300×740×1255	400×400(500)/4×Φ19	
160	2310/2200	1.1		755	1330×760×1275	550×550/4×Φ19	
200	2730/2600	1		870	1360×770×1300	550×550/4×Φ19	
250	3200/3050	0.9		1035	1390×800×1340	550×550/4×Φ19	
315	3830/3650	0.8		1200	1440×820×1375	550×550/4×Φ19	
400	4520/4300	0.7		1390	1470×830×1415	660×660/4×Φ19	
500	5410/2100	0.7		1590	1545×950×1445	660×660/4×Φ19	
630	6200	0.6		4.5	1950	1650×1000×1565	660×660/4×Φ19
800	7500	0.6			2375	1975×1060×1690	820×820/4×Φ19
1000	10300	0.5	2685		2160×1240×1725	820×820/4×Φ19	
1250	12000	0.4	3110		2200×1260×1820	820×820/4×Φ19	
1600	14500	0.4	3800		2260×1320×1890	820×820/4×Φ19	
2000	18300	0.4	5	5005	2540×1290×2225	820×820/4×Φ19	
2500	21200	0.4		6310	2625×1360×2395	1070×1070/4×Φ19	

S13 series 10kV three-phase oil-immersed distribution transformer

(KVA)Nominal capacity	(KV)HV (High voltage)	High voltage tapping range	(KV) LV (Low voltage)	Vector group	(W)No-load loss
30	6 6.3 10 10.5 11	±5% 或 ±2*2.5%	0.4	Yyn0 或 Dyn11	80
50					100
63					110
80					130
100					150
125					170
160					200
200					240
250					290
315					340
400					410
500					480
630					570
800					700
1000					830
1250					970
1600					1170
2000					1550

2500					1830
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Nominal capacity (kVA)	Load loss (W)	No-load current (%)	Impedance (%)	Total weight (kg)	L×W×H (mm)	Installation center / Installation hole (mm)
30	505/480	1.8	4.0	345	1175×685×925	400×400/4×Φ14
50	730/695	1.6		430	1190×700×985	400×400/4×Φ14
63	870/830	1.5		500	1210×710×1015	400×400/4×Φ14
80	1050/1000	1.4		570	1240×730×1080	400×400/4×Φ19
100	1265/1200	1.3		590	1255×730×1095	400×400(500)/4×Φ19
125	1510/1440	1.2		675	1300×740×1255	400×400(500)/4×Φ19
160	1850/1760	1.1		755	1330×760×1275	550×550/4×Φ19
200	2185/2080	1.0		870	1360×770×1300	550×550/4×Φ19
250	2560/2440	0.9		1035	1390×800×1340	550×550/4×Φ19
315	3065/2920	0.8		1200	1440×820×1375	550×550/4×Φ19
400	3615/3440	0.7		1390	1470×830×1415	660×660/4×Φ19
500	4330/4120	0.7		1590	1545×950×1445	660×660/4×Φ19
630	4960	0.6		1950	1650×1000×1565	660×660/4×Φ19
800	6000	0.6	4.5	2375	1975×1060×1690	820×820/4×Φ19
1000	8240	0.5		2685	2160×1240×1725	820×820/4×Φ19
1250	9600	0.4		3110	2200×1260×1820	820×820/4×Φ19
1600	11600	0.4		3800	2260×1320×1890	820×820/4×Φ19
2000	14640	0.4	5.0	5005	2540×1290×2225	820×820/4×Φ19
2500	14840	0.4		6310	2625×1360×2395	1070×1070/4×Φ19

S20 series 10kV three-phase oil-immersed distribution transformer

Nominal capacity (kVA)	High voltage (kV) HV	High voltage tapping range	Low voltage (kV) LV	Vector group	No-load loss (W)
30	6 6.3 10 10.5 11	$\pm 5\%$ 或 $\pm 2*2.5\%$	0.4	Yyn0 或 Dyn11	70
50					90
63					100
80					115
100					135
125					150
160					180
200					215
250					260
315					305
400					370
500					430
630					510
800					630
1000					745
1250					870
1600					1050
2000					1225
2500					1440

Nominal capacity (kVA)	Load loss (W)	No-load current (%)	Impedance (%)	Total weight (kg)	L×W×H (mm)	Installation center / Installation hole (mm)
30	550/480	1.8	4.0	390	1210×710×935	400×400/4×Φ14
50	730/695	1.6	4.0	495	1255×715×1020	400×400/4×Φ14
63	870/830	1.5	4.0	540	1240×725×1045	400×400/4×Φ14
80	1050/1000	1.4		620	1270×740×1105	400×400/4×Φ19
100	1265/1200	1.3		685	1295×750×1120	400×400(500)/4×Φ19
125	1510/1440	1.2		775	1345×760×1285	400×400(500)/4×Φ19
160	1850/1760	1.1		890	1360×780×1325	550×550/4×Φ19
200	2185/2080	1.0		1005	1415×790×1340	550×550/4×Φ19
250	2560/2440	0.9		1130	1450×810×1360	550×550/4×Φ19
315	3062/2920	0.8		1320	1495×830×1410	550×550/4×Φ19
400	3615/3440	0.7		1445	1510×840×1435	660×660/4×Φ19
500	4330/4120	0.7		1735	1555×855×1495	660×660/4×Φ19
630	4960	0.6		2080	1655×905×1610	660×660/4×Φ19
800	6000	0.6		4.5	2465	1960×910×1725
1000	8240	0.5	2755		2060×1210×1765	820×820/4×Φ19
1250	9600	0.4	3480		1590×1120×1940	820×820/4×Φ19
1600	11600	0.4	4110		1670×1180×1770	820×820/4×Φ19
2000	14640	0.4	5.0	5610	2240×1140×2495	820×820/4×Φ19
2500	14840	0.4		6735	2315×1210×2670	1070×1070/4×Φ19

35KV Oil Immersed Distribution Transformer



The 35kV oil-immersed power transformer is used to step down 35kV transmission voltage to lower distribution voltage levels such as 10kV. Based on voltage regulation methods, it is mainly classified into two types: double-winding no-load tap-changer transformers and on-load tap-changer transformers. The transformer adopts oil-immersed insulation and cooling structure and uses high-quality silicon steel cores and oxygen-free copper or aluminum windings.

Rated Capacity (kVA)	Voltage Combination			No-load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No-load Current (%)	L×W×H (mm)	Active parts Weight (kg) / Oil Weight (kg)	Total Weight (kg)
	High Voltage (kV)	Tapping Range of High Voltage	Low Voltage (kV)							
50	35 38.5	±5% ±2*2.5%	0.4	160	1200/1140	6.5	1.3	1135×935×1825	300*330	860
100				230	2010/1910		1.1	1200×995×1935	470*383	1130
125				270	1370/2260		1.1	1235×940×1955	550*465	1335
160				280	2820/2680		1	1235×995×1950	580*465	1475
200				340	3320/2760		1	1310×1150×1985	680*595	1755
250				400	3950/2760		0.95	1450×1090×2000	880*650	2000
315				480	4750/4530		0.25	1930×1065×2320	980*765	2290
400				580	5740/5740		0.55	1850×1165×2015	1170*885	2725
500				680	6910/6580		0.55	2045×1205×2415	1340*860	3090

630				830	7860		0.65	2085×1200 ×2515	1550*855	3810
800				980	9400		0.55	2305×1615 ×2685	1991*1030	4510
1000				1150	11500		0.6	2445×2000 ×2550	2450*1405	5055
1250				1900	13900		0.6	2680×2100 ×2775	2500*1490	5450
1000				1690	16600		0.6	2690×2100 ×2770	2500*1490	5450
2000				1990	19700		0.55	2790×2180 ×2860	2720*1590	5600
2500				2360	23200		0.55	2900×2250 ×2980	2830*1720	5760

20KV Oil Immersed Distribution Transformer



The 20kV oil-immersed distribution transformer is used to step down 20kV transmission voltage to lower distribution voltage levels such as 0.4kV or 10kV. Based on voltage regulation methods, it is mainly classified into two types: double-winding no-load tap-changer transformers and on-load tap-changer transformers. The transformer adopts oil-immersed insulation and cooling structure and uses high-quality silicon steel cores and oxygen-free copper or aluminum windings.

S11 series 20kV three-phase oil-immersed distribution transformer

Rated Capacity (kVA)	Voltage Combination			Vector Group	No-load Loss (kW)	Load Loss (kW)	No-load Current (%)	Short-circuit Impedance	Weight (kg)	
	High Voltage (kV)	High Voltage Tapping Range	Low Voltage (kV)						Oil Weight (kg)	Gross Weight (kg)
30					0.09	0.66	2.1		180	420
50					0.13	0.96	2		150	495

63	20~10	±5×2.5% ±2×2.5%	0.4	Dyn11	0.15	1.145	1.9	5.5	170	560
80					0.18	1.37	1.8		190	635
100					0.20	1.65	1.6		215	710
125					0.24	1.98	1.5		250	840
160					0.29	2.42	1.4		285	945
200					0.33	2.86	1.3		340	1125
250					0.40	3.35	1.2		390	1295
315					0.48	4.01	1.1		445	1475
400					0.57	4.73	1.0		515	1712
500					0.68	5.66	1.0		460	1995
630					0.81	6.82	0.9	565	2450	
800					0.98	8.25	0.8	635	2760	
1000					1.15	11.33	0.7	840	3650	
1250					1.35	13.20	0.7	970	4220	
1600					1.63	15.95	0.6	1105	4800	
2000					1.95	19.14	0.6	1205	5240	
2500					2.34	22.22	0.5	1300	5650	
							6.0			

S13 series 20kV three-phase oil-immersed distribution transformer

Rated Capacity (kVA)	Voltage Combination			Vector Group	No-load Loss (kW)	Load Loss (kW)	No-load Current (%)	Short-circuit Impedance	Weight (kg)				
	High Voltage (kV)	High Voltage Tapping Range	Low Voltage (kV)						Oil Weight (kg)	Gross Weight (kg)			
50	20 22 24	±5 ±2×2.5%	0.4	Dyn11 Yyn0	170	0.66	2.1	5.5	180	420			
100					230	0.96	2		150	495			
125					270	1.145	1.9		170	560			
160					290	1.37	1.8		190	635			
200					340	1.65	1.6		215	710			
250					410	1.98	1.5		250	840			
315					490	2.42	1.4		285	945			
400					580	2.86	1.3		340	1125			
500					690	3.35	1.2		390	1295			
630					830	4.01	1.1		445	1475			
800					980	4.73	1.0	515	1712				
1000					1150	5.66	1.0	460	1995				
1250					1410	6.82	0.9	565	2450				
1600					1700	8.25	0.8	635	2760				
											6.0		

S20 series 20kV three-phase oil-immersed distribution transformer

Rated capacity(KVA)	High Voltage(KV)	H.V. Tap Range	Low Voltage (KV)	Connection Symbol	ShortCircuit Impedance(%)	No-Load Loss(W)	On-Load Loss(W)	No Load Current(%)	
50	20 22 24	±5% ±2×2.5%	0.4	Dyn11 Yyn0	6	380	1300	2.4	
100						600	2100	2.2	
160						750	2600	1.8	
200						820	3100	1.6	
250						940	3600	1.6	
315						1080	4300	1.4	
400						1280	5100	1.4	
500						1500	6100	1.2	
630						1700	7200	1.2	
800						1950	8700	1.0	
1000						2300	10300	1.0	
1250						2600	12150	1.0	
1600						3100	14600	1.0	
2000						8	3600	17250	0.8
2500							4300	20400	0.8