

Technical value for SCB10 Cast resin dry type distribution transformer

Table 1: Technical Parameter for 11kV& 30kVA-2500kVA Dry Type Transformer with Off circuit tap changer

Rated (kVA)	Voltage Combination			Vector Group Symbol	No-load Loss (W)	Load Loss (W)			Rated Impedance Voltage (%)	No-load Current (%)			
	High Voltage (KV)	Tapping Range of High Voltage	Low Voltage (KV)			130℃ (class B)	155℃ (class F)	180℃ (class H)					
						(100℃)	(120℃)	(145℃)					
30	6	±2.5% ±5%	0.4	Dyn11	190	670	710	760	4	2			
50					270	940	1000	1070		2			
80					370	1290	1380	1480		1.5			
100					400	1480	1570	1690		1.5			
125					470	1740	1850	1980		1.3			
160					6.3	±5% ±2×2.5%	Yyn0	540		2000	2130	2280	1.3
200					6.6			620		2370	2530	2710	1.1
250		10		720	2590			2760		2960	1.1		
315		10.5		880	3270			3470		3730	1		
400		11		980	3750			3990		4280	1		
500				1150	4590			4880		5230	1		
630				1340	5530			5880		6290	0.85		
630				1300	5610	5960	6400	6		0.85			
800				1520	6550	6960	7460			0.85			
1000		1770	7650	8130	8760	0.85							
1250		2090	9100	9690	10300	0.85							
1600		2450	11000	11700	12500	0.85							
2000		3050	13600	14400	15500	0.7							
2500		3600	16100	17100	18400	0.7							
1600				2450	1220	12900	13900	8	0.85				
2000				3050	15000	15900	17100		0.7				
2500				3600	17700	18800	20200		0.7				

Note: Price is N/A for Items marked by red colour, which is special design and should be quoted separately according to actual technical requirement

The load losses under other insulation temperatures that are not included in the table should be according to their respective reference temperature, the corresponding calculation is based on the "- 155 °C (F)" insulation class temperature data.

Table 2: Technical Parameter for 20kV& 50kVA-2500kVA Dry Type Transformer with Off circuit tap changer

Rated (kVA)	Voltage Combination			Vector Group Symbol	No-load Loss (W)	Load Loss (W)			Rated Impedance Voltage (%)	No-load Current (%)	
	High Voltage (KV)	Tapping Range of High Voltage	Low Voltage (KV)			130℃	155℃	180℃			
						(class B) (100℃)	(class F) (120℃)	(class H) (145℃)			
50	20	±2.5%	0.4	Dyn11	340	1160	1230	5	2		
100					540	1870	1990		2130	1.8	
160					±5%	670	2350		2470	3460	1.8
200					±5% ±2×2.5%	730	2270		2940	3140	1.8
250						840	3220		3420	3660	1.8
315						970	3850		4080	4360	1.8
400		Yyn0		1150		4650	4840		5180	1.1	
500				1350		5460	5790		6190	1.1	
630				1530		6450	6840		7320	1	
800				1750		7790	8260		8840	1	
1000				2070		9220	9780		10400	0.85	
1250				2380		10800	11500		12300	0.85	
1600				2790		13000	13800		14800	0.85	
2000				3240		15400	16300		17500	0.7	
2500		3870		18200		19300	20700		0.7		
2000		3240		16800		17800	19100		0.7		
2500		3870		20000		21200	22700		0.7		

Table 3: Technical Parameter for 33kV& 50kVA-2500kVA Dry Type Transformer with Off circuit tap changer

Rated (kVA)	Voltage Combination			Vector Group Symbol	No-load Loss (W)	Load Loss (W)			Rated Impedance Voltage (%)	No-load Current (%)	
	High Voltage (KV)	Tapping Range of High Voltage	Low Voltage (KV)			130°C (class B)	155°C (class F)	180°C (class H)			
						(100°C)	(120°C)	(145°C)			
50	33 35 38.5	±2.5% ±5%	0.4	Dyn11	340	1160	1230	1310	6	2	
100					540	1870	1990	2130		1.8	
160					670	2350	2470	3460		1.8	
200		730			2270	2940	3140	1.8			
250		840			3220	3420	3660	1.8			
315		970			3850	4080	4360	1.8			
400		1150			4650	4840	5180	1.1			
500		1350			5460	5790	6190	1.1			
630		1530			6450	6840	7320	1			
800		1750		7790	8260	8840	1				
1000		±2×2.5% ±5%			Yyn0	2070	9220	9780		10400	0.85
1250						2380	10800	11500		1230	0.85
1600						2790	13000	13800		14800	0.85
2000						3240	15400	16300		17500	0.7
2500						3870	18200	19300		20700	0.7
2000						3240	16800	17800		19100	0.7
2500						3870	20000	21200		22700	0.7



Technical value for SG(B)10 Non Encapsulated Class H Dry Type Distribution Transformer

Rated (kVA)	Vector Group Symbol	Loss (W)		Rated Impedance Voltage (%)	No-load Current (%)	Overall dimension(without enclosure) mm			Weight (kg)	
		No load	Load			L	W	H		
30	Dyn11 Yyn0	190	760	4	2	900	1180	880	420	
50		270	1070		2	940	1180	985	450	
80		370	1480		1.5	985	1180	1055	740	
100		400	1690		1.5	1010	1180	1135	770	
125		470	1980		1.3	1060	1180	1175	1005	
160		540	2280		1.3	1120	1180	1230	1015	
200		620	2710		1.1	1180	1230	1275	1035	
250		720	2960		1.1	1290	1230	1330	1155	
315		880	3730		1	1320	1340	1355	1365	
400		980	4280		1	1350	1340	1435	1585	
500		1160	5230		1	1395	1340	1495	1795	
630		1345	6290		0.85	1450	1340	1550	2265	
630		1300	6400		0.85	1545	1340	1445	1930	
800		1520	7460		0.85	1590	1340	1490	2450	
1000		1770	8760		0.85	1680	1340	1555	2640	
1250		2090	10300		0.85	1710	1470	1635	3170	
1600		2450	12500		6	0.85	1800	1470	1770	3985
2000		3050	15500			0.7	1850	1470	1890	4850
2500		3600	18400	0.7		1900	1470	2030	5620	

