

10-35kV

DISTRIBUTION TRANSFORMER



The transformers are in accordance with National Standards IEC. The voltage regulation range is $10 \pm 4 \times 2.5\%$ kV for 10kV class and $35 \pm 3 \times 2.5\%$ for 35kV class. Voltage regulation is effected by adjusting the on-load tap-changer on the high voltage side. Adjustment can be made manually or motor-operated, and in the latter case automatic regulation is also possible through additional devices. Such transformers can keep the output voltage on the secondary side at a required stable level. The tank wall of more than 35kV 3150kVA transformer is made into a corrugated shape. Thus, mechanical strength is much improved, and welding work reduced, and the outlook appearance is

improved too. Therefore they are widely used in places where requirement on voltage quality is emphasized, such as institutes, buildings, hotels, hospital and factories. These transformers are new products and have better economy in operation.

Technical Data for SZ9 Type On-load-tap-changing Transformer with 35kV

Type	Rated Capacity (kVA)	Voltage Combination			Connecting symbol	No-load loss (kW)	Load loss (kW)	No-load Current (%)	Short-circuit Impedance (%)	Weight(kg)		Outline dimensions (L × W × H mm)	Track Spacing (mm)		
		H.V. (kV)	Tapping Range of H.V.	L.V. (kV)						Oil	Total				
SZ9-1000/40.5	1000	35	(i 3 × 2.5%)	0.4	Yyn0	1.55	12.78	1.2	6.5	1520	4900	2860 × 1360 × 2520	820 × 820		
SZ9-1250/40.5	1250					1.88	15.41	1.2	6.5	1600	5700	2900 × 1390 × 2610	1070 × 1070		
SZ9-1600/40.5	1600					2.40	18.40	1.1	6.5	1700	6400	2970 × 1430 × 2660	1070 × 1070		
SZ9-2000/40.5	2000					2.88	18.72	1.1	6.5	1790	6830	3010 × 1480 × 2690	1070 × 1070		
SZ9-1600/40.5	1600	35	(i 3 × 2.5%) (i 4 2 × 2.5%)	6.3	Yd11	2.40	18.40	1.1	6.5	1730	6600	2980 × 1430 × 2660	1070 × 1070		
SZ9-2000/40.5	2000					2.88	18.40	1.1	6.5	1800	6830	2980 × 1450 × 2670	1070 × 1070		
SZ9-2500/40.5	2500					3.40	19.32	1.1	6.5	2030	7900	3110 × 1480 × 2710	1070 × 1070		
SZ9-3150/40.5	3150					4.04	26.01	1.0	7.0	2250	9700	3270 × 3080 × 2900	1070 × 1275		
SZ9-4000/40.5	4000	35		(i 3 × 2.5%) (i 4 2 × 2.5%)	10.5	Yd11	4.84	30.69	1.0	7.0	2520	10800	3320 × 3120 × 3010	1070 × 1275	
SZ9-5000/40.5	5000						5.80	36.00	0.9	7.0	2880	12500	3670 × 3100 × 3190	1070 × 1275	
SZ9-6300/40.5	6300						7.04	38.70	0.9	7.5	3580	15000	3760 × 3500 × 3330	1070 × 1275	
SZ9-8000/40.5	8000						9.84	42.75	0.9	7.5	4760	18800	4380 × 3580 × 3390	1070 × 1475	
SZ9-10000/40.5	10000	38.5			(i 3 × 2.5%) (i 4 2 × 2.5%)	6	YNd11	11.60	50.58	0.8	8.0	5600	20800	4520 × 3520 × 3450	1475 × 1475
SZ9-12500/40.5	12500							13.68	59.85	0.8	8.0	6500	24200	4680 × 3800 × 3630	1475 × 1475
SZ9-16000/40.5	16000							15.80	73.20	0.6	8.0	6900	28100	4830 × 4500 × 3820	1475 × 1475
SZ9-20000/40.5	20000							20.15	91.0	0.4	8.7	8200	32800	5500 × 4700 × 3990	1475 × 1475

Technical Data for SZ9 Type On-load-tap-changing Transformer with 10kV

Type	Rated Capacity (kVA)	Voltage Combination			Connecting symbol	No-load loss (kW)	Load loss (kW)	No-load Current (%)	Short-circuit Impedance (%)	Weight(kg)		Outline dimensions (L × W × H mm)	Track Spacing (mm)
		H.V. (kV)	Tapping Range of H.V.	L.V. (kV)						Oil	Total		
SZ9-200/12	200	6	i 4; 2.5%	0.4	Yyn0	0.48	2.60	1.3	4	275	1160	1700 × 850 × 1520	550 × 550
SZ9-250/12	250					0.56	3.05	1.2	4	300	1302	1740 × 880 × 1560	550 × 550
SZ9-315/12	315					0.67	3.65	1.1	4	330	1490	1780 × 920 × 1600	660 × 660
SZ9-400/12	400					0.80	4.30	1.0	4	360	1690	1810 × 960 × 1650	660 × 660
SZ9-500/12	500					0.96	5.15	1.0	4	410	2060	1910 × 1100 × 1800	660 × 660
SZ9-630/12	630					1.29	6.50	0.9	4.5	670	2980	2190 × 1140 × 2050	820 × 820
SZ9-800/12	800					1.51	7.85	0.8	4.5	690	3100	2250 × 1180 × 2060	820 × 820
SZ9-1000/12	1000					1.82	10.85	0.7	4.5	720	3260	2280 × 1220 × 2080	820 × 820
SZ9-1250/12	1250					2.08	12.60	0.6	4.5	830	3790	2400 × 1370 × 2180	820 × 820
SZ9-1600/12	1600					2.71	15.20	0.6	4.5	1100	5200	2480 × 1420 × 2290	820 × 820