



※220KV on-load-tap-changing power transformer is made of high-quality silicon-steel sheets, and laminated by steps. It is advantageous in low loss, low noise, low voltage partial discharge and high anti short-circuit capacity.

※The dynamical and thermal stability of this transformer, of which the coils are wound by high-quality oxygen-free copper wire as well as used pre-compressing brackets processes and interior and exterior structure.

※The transformer tank used wave form shell, has very nice appearance, the core is with D shape yoke and 45 angle seaming. The core and oil box are well fixed and well protected on moving.

31500 420000/220 combined type transformer technical parameter

Capacity (KVA)	Voltage combination and tapping range		Vector Group	Type 9 losses		Type 10 losses		Type 11 losses		No Load current %	Short circuit impedance %		
	High voltage (kV)	Low voltage (kV)		No Load Losses	Load Losses	No Load Losses	Load Losses	No Load Losses	Load Losses				
31500	220 ±2×2.5%	6.3	YNd11	35	135	31.5	128.3	28	128.3	0.7	12~14		
40000		6.6		41	157	36.9	149.2	32.8	149.2	0.7			
50000		10.5		49	189	44.1	179.6	39.2	179.6	0.85			
63000		11		58	220	52.2	209	46.4	209	0.85			
75000		10.5		67	250	60.3	237.5	53.6	237.5	0.8			
90000		11		77	288	69.3	273.6	61.8	273.6	0.55			
120000		13.8		94	345	84.6	327.8	75.2	327.8	0.55			
150000		11		112	405	100.8	384.8	89.6	384.8	0.5			
180000		13.8		117	425	105.3	403.8	93.6	403.8	0.49			
180000		15.75		128	459	115.2	436.1	102.4	436.1	0.46			
240000		18		160	567	144	538.7	128	538.7	0.42			
300000		20		189	675	170.1	641.3	151.2	641.3	0.38			
360000		15.75		217	774	195.3	735.3	173.6	735.3	0.38			
370000		18		221	790	198.9	750.5	176.8	750.5	0.38			
370000		20		234	837	210.6	795.2	187.2	795.2	0.35			
400000				242	868	217.8	824.6	193.6	824.6	0.35			
420000													

31500-180000/220 combined type transformer technical parameter

Capacity (KVA)	Voltage combination and tapping range		Vector Group	Type 9 losses		Type 10 losses		Type 11 losses		No Load current %	Short circuit impedance %
	High voltage (kV)	Low voltage (kV)		No Load Losses	Load Losses	No Load Losses	Load Losses	No Load Losses	Load Losses		
31500	220 ±8×1.25%	6.3	YNd11	38	135	34.2	128.3	30.4	128.3	0.7	12~14
40000		10.5		45	157	40.5	149.2	36	149.2	0.83	
50000		35		54	189	48.6	179.6	43.2	179.6	0.56	
63000		38.5		63	220	56.7	209	50.4	209	0.56	
90000		10.5		80	288	72	273.6	64	273.6	0.49	
120000		11		99	346	89.1	328.7	79.2	328.7	0.49	
150000		35		116	405	104.4	384.8	92.8	384.8	0.42	
180000		38.5		135	468	121.5	444.6	108	444.6	0.42	