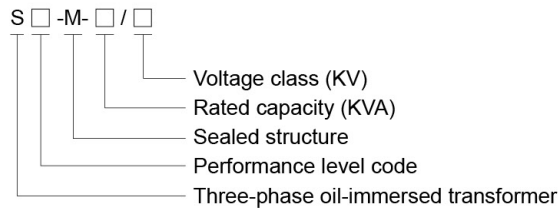


11KV/24KV S11 series hermetically-sealed oil-immersed distribution transformer

Product introduction

The hermetically-sealed oil-immersed distribution transformer is widely used in the power distribution system. Owing to the elasticity of shell, it could adapt the inflation of the oil when under high temperature.

Model designation

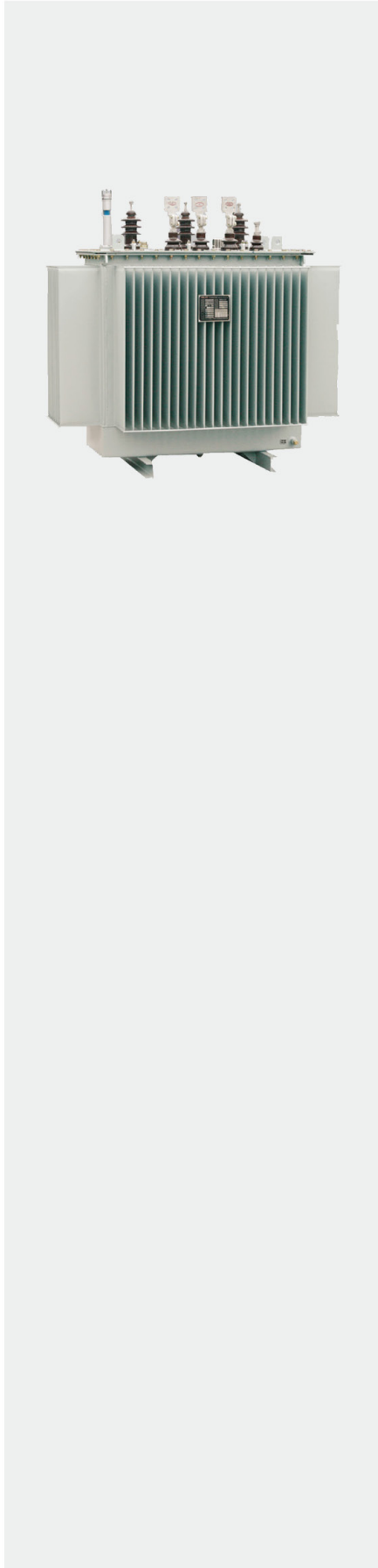


Working condition

- 1.Installation mode: indoor/ outdoor/ type.
 - 2.Highest ambient temperature should not over +40℃; highest daily average temperature should not over +30℃ .
 - 3.Highest annual average temperature should not over +20℃ , lowest temperature should not below-25℃ .
 - 4.Highest altitude: 1000m
- * We can supply the transformers which operate in special operating conditions according to user' s requirements.

Reference standards

- 1.Power transformer: GB1094.1-2-1996, GB1094.3-2003, GB1094.5-2008
- 2.Three-phase oil-immersed transformers: GB/T6451-2008



Performance characteristics

- 1.A multilayer cylinder structure is used for all high voltage windings in order to improve the voltage impulse distribution of windings.
- 2.For the capacity range of low voltage windings is from 30KVA to 2000KVA,the cylinder type or spiral structure is used to ensure the high mechanical strength, ampere lure distribution, and excellent short-circuits proof performance.
- 3.The securing structure is set in the transformer body, which is used for ensuring that no displacement will occur during the transportation; meanwhile, the turnbuckles are mounted in fasteners, which is for assuring that fasteners will not be loose during the long term operation.
- 4.Corrugated tanks are used in the transformer for replacing the conservator. The tank enclosure and rim are completely sealed by welding or bolting up, which prolongs the service life of transformer oil.
- 5.The transformer surface are painted with primer and finish coats after degreasing, derusting, and phosphorizing; which can meet the special operation requirements in metallurgic and petrochemical industries, as well as, in moist and dirty places.
- 6.The press relief valves, signal thermometers, and gas relays are equipped in the oil tank of hermetically sealed transformer in order to the standard requirement for safe operation.

The transformers are attractive and competitive due to the compact shape, excellent design, and maintenance-free.

7.Power transformer:

S9 No-loaded losses, Load-loss comply with GB/ T6451-2008

S10 No-loaded losses is lower 10% than GB/T6451 -2008Load-loss is lower 5% than GB/T6451-2008

S11 No-loaded losses is lower 20% than GB/T6451-2008 Load-loss is lower 5% than GB/T6451-2008

Order information

Transformer type:

Rated capacity: KVA

Number of phases: three-phase ☐ single-phase ☐

High voltage: KV Low voltage: KV

Frequency: 50HZ ☐ 60HZ ☐

Tapping range: $\pm 2 \times 2.5\%$ ☐ $\pm 5\%$ ☐ other ☐

Connection group: YynO ☐ Dyn11 ☐ other ☐

Impedance voltage: standard ☐ other ☐

Technical parameters of S11-M-30 2500/11 series distribution transformers

Rated capacity (kVA)	Voltage combination (kV)			Connec ting group	No-load loss (w)	Load-loss (W) (75 ℃)	Short circuit impedance (%)	No-load current (%)	Weight (kg)			Overall dimension (mm)		Gauge (mm)
	High voltage (kV)	Tapping (%)	Low voltage (kV)						Tare	Oil	Total	Length × Width × Height		
30	6 6.3 10 10.5 11	± 5% ± 2x2.5%	0.4	Yzn11 YynO Dyn11	100	630/600	4.0	2.3	125	62	241	800 × 600 × 860	400x400	
50					130	910/870		2.0	230	70	345	790 × 590 × 905	400 × 400	
63					150	1090/1040		1.9	255	90	450	785x615x930	400 × 400	
80					180	1310/1250		1.9	275	95	470	805x710x945	400 × 400	
100					200	1580/1500		1.8	350	100	480	965x610x975	400 × 400	
125					240	1890/1800		1.7	400	100	555	1035x680x1010	550x550	
160					280	2310/2200		1.6	455	105	630	1100x720x1035	550x550	
200					340	2730/2600		1.5	510	125	735	1200x800x1040	550x550	
250				400	3200/3050	1.4		580	150	850	1250 × 830 × 1075	550x550		
315				480	3830/3650	1.4		680	170	1000	1320x870x1135	550x550		
400				570	4520/4300	1.3		800	210	1230	1395x920x1205	660x660		
500				680	5410/5150	1.2		950	240	1440	1430x950x 1270	660x660		
630				810	6200	1.1		1170	285	1740	1650x950x1280	660x660		
800				980	7500	1.0		1370	335	2070	1730x1190x1355	820x820		
1000				1150	10300	1.0		1510	400	2500	1880x1500x1370	820x820		
1250				1360	12000	0.9		1850	520	3140	1960x1550x1500	820x820		
1600				1640	14500	0.8		2250	690	3920	1990x1500x1590	820x820		
2000				1940	17200	5.5		0.5	2560	765	4350	2110x1410x1870	1070x1070	
2500				2380	20500	5.5		0.5	2980	1000	5390	2200x1430x1900	1070x1070	



Technical parameters of S11 -6300/11 series distribution transformers

Rated capacity (kVA)	Voltage combination (kV)			Connec ting group	No-load losses (w)	Load-loss (W) (75 ℃)	Short circuit impedance (%)	No-load current (%)	Weight (kg)			Overall dimension (mm)		Gauge (mm)
	High voltage (kV)	Tapping (%)	Low voltage (kV)						Tare	Oil	Total	Length × Width × Height		
2500	6			Yd11	2380	19670	5.5	0.8	3300	1430	6690	2260x1360x2000		1070x1070
3150	6.3				2810	23090		0.7	3990	1660	7750	2460x1400x2700		1070x1070
4000	10	± 5% ± 2x2.5%	3.15 6.3		3460	27360		0.7	4780	1950	8900	2700x1900x2900		1475x1475
5000	10.5				4100	31380		0.7	5700	2200	10200	3000 x 2200 x 3000		1475x1475
6300	11				4900	35060		0.6	7140	2400	11880	3200 x 2400 x 3200		1475x1475

Technical parameters of S11-M—50 1600/24 series distribution transformers

Rated capacity (kVA)	Voltage combination (kV)			Connec ting group	No-load loss (w)	Load-loss (W) (75 ℃)	Short circuit impedance (%)	No-load current (%)	Weight (kg)			Overall dimension (mm)		Gauge (mm)
	High voltage (kV)	Tapping (%)	Low voltage (kV)						Tare	Oil	Total	Length × Width × Height		
50	24	± 5% ± 2x2.5%	0.4	Dyn11 YynO	130	870	4.0	2.0	330	180	630	1000x730x1350	400 x 400	
80					180	1250		1.8	410	220	820	1040x780x1390	400 x 400	
100					200	1500		1.6	460	240	930	1060x790x1440	550x550	
125					240	1800		1.5	530	270	1080	1080x800x1480	550x550	
160					290	2200		1.4	620	290	1160	1290x760x1530	550x550	
200					330	2600	4.5	1.3	690	310	1280	1340x790x1540	550x550	
250					400	3050		1.2	800	360	1400	1420x830x1550	550x550	
315					480	3650		1.1	900	400	1550	1480x880x1570	550x550	
400					570	4300		1.0	1110	500	1910	1660x980x1590	660x660	
500					680	5150		1.0	1320	570	2220	1700x1000x1660	660x660	
630	810	6200	4.5	0.9	1580	670	2620	1750x1010x1800	820x820					
800	980	7500		0.8	1890	740	3040	1810x1040x1860	820x820					
1000	1150	10300		0.7	2040	800	3280	1830x1060x1940	820x820					
1250	1360	12000		0.6	2360	910	3790	1950x1170x2080	820x820					
1600	1640	14500		0.5	2980	1100	4770	1990x1180x2370	820x820					