S9 TYPE 10kV SERIES DISTRIBUTION TRANSFORMER

Product Introduction

- ◇ Type: Outdoor type
- ◇ Normal Service condition: Working altitude ≤1000m
- ◇ Special Service condition: Working altitude ＞1000m
  Maximum temperature +40℃, Minimum temperature -45℃
- ◇ Relative air humidity:≤90%（+25℃）
- ◇ Installation site: Avoid the corrosive gas or obvious dirt
- ◇ Use for Industry and Agriculture' s electric power and lighting.

Product Standard

- ◇ GB1094.1~2-1996 power conformer
- ◇ GB1094.3,5-2003 power conformer
- ◇ GB/T6451-2008 Technical parameters and requirements for Three-phase oil-immersed power transformers

Model Implication

S 9 -□/□

- Voltage Level
- Rated capacity
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

- ◇ The iron core use the labber-type in second seams pile way
- ◇ Square Oil box,Radiator have tubular , inned radiator and corrugated radiator
- ◇ Postion structure adopt long distance and complicated transport

Specification

S9 10kV Series Distribution Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No Load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No Load Current (%)	Weight (kg)		Dimension (mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
30	6 6.3 6.6 10 10.5 11	±5 ±2×2.5	0.4	Yyn0 or Dyn11	130	600	4.0	2.1	80	300	980×590×1080	400×400
50					170	870		2.0	100	360	1030×600×1010	400×400
63					200	1040		1.9	110	420	1060×650×1040	400×400
80					250	1250		1.8	125	480	1080×700×1080	550×550
100					290	1500		1.6	135	550	1090×710×1130	550×550
125					340	1800		1.5	145	650	1100×720×1350	550×550
160					400	2200		1.4	155	750	1150×740×1400	550×550
200					480	2600		1.3	180	880	1190×750×1450	550×550
250					560	3050		1.2	215	1050	1350×750×1450	550×550
315					670	3650		1.1	240	1220	1380×780×1530	660×660
400					800	4300		1.0	300	1420	1460×840×1560	660×660
500					960	5150		1.0	340	1650	1480×860×1620	660×660
630					1200	6200	4.5	0.9	380	2000	1600×930×1700	710×710
800					1400	7500		0.8	585	2360	1900×1000×1750	820×820
1000					1700	10300		0.7	630	2720	2000×1060×1840	820×820
1250					1950	12000		0.6	650	3350	2100×1130×1890	920×820
1600					2400	14500		0.6	850	3950	2200×1180×1960	920×820
2000					2850	17200		0.5	900	4600	2300×1250×2030	1070×1070
2500					3300	20300	5.5	0.4	1000	5600	2400×1360×2070	1070×1070

Note:
1、 If you need another information about 10kV series Power Transormer in bigger voltage, please contact us.
2、 We can provide the transformer in different voltage, impedance voltage and connection group as your requirement.
3、 We can provide the special transformer as your requirement, e.g. Rectrifer transformer, Distribution Transformer, Furnace Transformer, Mining Transformer, Power Transformer wit OLTC etc.
4、 The data in the table is for your reference only, subject to change without prior notice.

S9-M TYPE 10kV SERIES SEALED TANK DISTRIBUTION TRANSFORMER

Product Introduction

- ◇ Type: Outdoor type
- ◇ Installation site: the place without the corrosive gas or visible dirt.
- ◇ Working Attitude: ≤ 1000m
- ◇ Ambition Temperature: Maximum +40℃, Minimum -25℃(for outdoor), -5℃(for indoor).

Product Standard

- ◇ GB1094.1~2-1996 power conformer
- ◇ GB1094.3,5-2003 power conformer
- ◇ GB/T6451-2008 Technical parameters and requirements for Three-phase oil-immersed power transformers

Model Implication

S 9 - M - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Sealed Structure
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

- ◇ Multi-layer cylindrical high voltage winding improve the impulse voltage distribution.
- ◇ Low voltage winding takes a cylinder or helical construction, have high mechanical strength, ampere-turns distribute balanced and also have a good ability of resistance to short circuit.
- ◇ Positioning device for active-part avoide displacement during the transport, all fastner add the blinding nut, avoide the loose during working , meet the requirement of don't hang the core.
- ◇ Corrugated type tank instead of oil conservator , sealing or connecting the tank cover with tank rim by bolt, extending the tansformer oil's working life.
- ◇ After deoil, scaling, parkerising the surface, then panting the surface by primer and finish coat. So it can meet the special service condition, such as metallurgy,petrochemical system and moist or dirty place.
- ◇ This serise products have nice surface and small volume, can decrease the mounting area, is the free maintenance products with high quality.
- ◇ Sophisticated pats, using omniseal tank, installing the pressure relief value, signaling thermometer and gas relay, ensure the distribution transformer working safety.

Specification

S9-M Type 10kV Series Sealed Tank Distribution Transfomer Specification

Capacity (kVA)	Voltage			Connection Group	No Load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No Load Current (%)	Weight (kg)		Dimension (mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Wight	L*W*H	
30	6 6.3 6.6 10 10.5 11	±5 ±2×2.5	0.4	Yyn0 or Dyn11	130	600	4.0	2.1	80	300	830×590×980	400×400
50					170	870		2.0	100	360	880×600×1010	400×400
63					200	1040		1.9	110	420	910×650×1040	400×400
80					250	1250		1.8	125	480	930×700×1080	550×550
100					290	1500		1.6	135	550	940×710×1130	550×550
125					340	1800		1.5	145	650	950×720×1150	550×550
160					400	2200		1.4	155	750	1000×740×1220	550×550
200					480	2600		1.3	180	880	1040×750×1250	550×550
250					560	3050		1.2	215	1050	1340×750×1250	550×550
315					670	3650		1.1	240	1220	1350×780×1330	660×660
400					800	4300		1.0	300	1420	1460×840×1360	660×660
500					960	5150		1.0	340	1650	1480×860×1410	660×660
630					1200	6200	4.5	0.9	380	2000	1570×930×1460	710×710
800					1400	7500		0.8	585	2360	1700×1000×1540	820×820
1000					1700	10300		0.7	630	2720	1780×1060×1640	820×820
1250					1950	12000		0.6	650	3350	1840×1130×1690	920×820
1600					2400	14500		0.6	850	3950	1950×1180×1760	920×820
2000					2850	17200		0.5	900	4600	2050×1250×1830	1070×1070
2500					3300	20300	5.5	0.4	1000	5600	2160×1360×1870	1070×1070

Note: The data in the table is for your reference only, subject to change without prior notice.

S11 TYPE 10kV SERIES LOW LOSS DISTRIBUTION TRANSFORMER

Product Introduction

- ◇ S11 type developed from S9 type. The advantage are low loss and noise, capable of short-circuit, good impact resistance and economic mechanism etc.
- ◇ Normal Service condition: Working attitude ≤ 1000m, Maximum temperature +40℃, Minimum Temperature -25℃.
- ◇ Use for Industry and Agticulture's electric power and lighting

Product Standard

- ◇ GB1094.1~2-1996 power conformer
- ◇ GB1094.3,5-2003 power conformer
- ◇ GB/T6451-2008 Technical parameters and requirements for Three-phase oil-immersed power transformers

Model Implication

S 11 - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

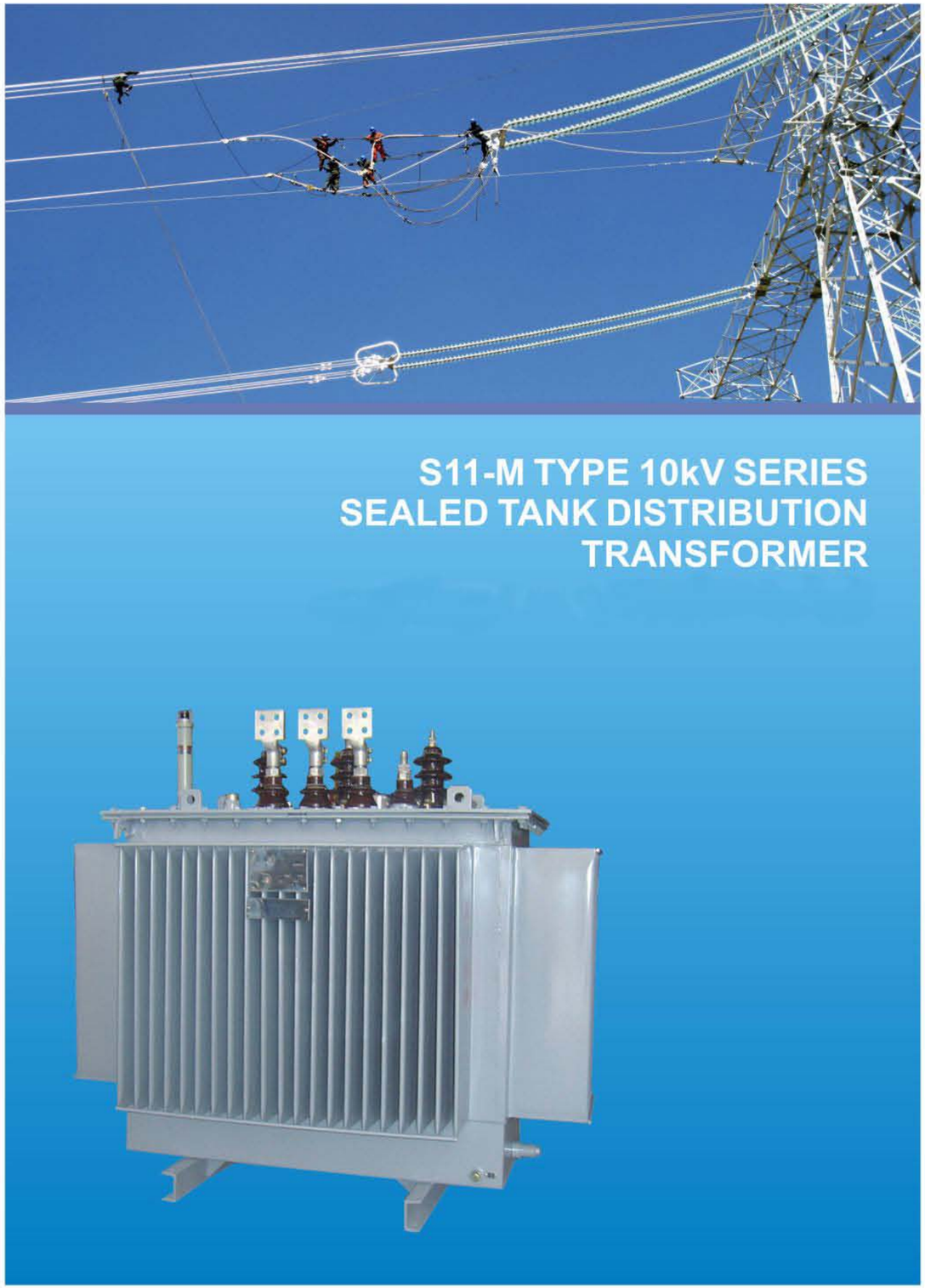
- ◇ Compared to the S9 type, S11 series have average no-load loss dropped 30%.
- ◇ The material of the core is high conductivity silicon steel sheet,multi-lamination mitred joint.
- ◇ The fixed construction is added in this type transformer, to ensure there is no any displacement happened in the transportation. At the same time, all the fasteners are fixed with the binding nuts to keep them be solid in the long working situation, also meet the requirement of core hanging.
- ◇ The high voltage winding takes multi-layer cylindrical winding, improve the impulse voltage distribution; It strap with shrinkable tape without varnished that improve the mechanical strength.
- ◇ The tank can choose gilled radiator or corrugation tank with oil conservator, dehydrating breather , and installing dehydrating breather .

Specification

S11 Type 10kV Series Low Loss Distribution Transformer

Capacity (kVA)	Voltage			Connection Group	No Load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
30	6 6.3 6.6 10 10.5 11	±5 ±2×2.5	0.4	Yyn0 or Dyn11	100	600	4.0	1.8	80	300	980×590×1080	400×400
50					130	870		1.7	100	360	1030×600×1010	400×400
63					150	1040		1.6	110	420	1060×650×1040	400×400
80					180	1250		1.5	125	480	1080×700×1080	550×550
100					200	1500		1.4	135	550	1090×710×1130	550×550
125					240	1800		1.3	145	650	1100×720×1350	550×550
160					280	2200		1.2	155	750	1150×740×1400	550×550
200					340	2600		1.1	180	880	1190×750×1450	550×550
250					400	3050		1.0	215	1050	1350×750×1450	550×550
315					480	3650		0.9	240	1220	1380×780×1530	660×660
400					570	4300		0.8	300	1420	1460×840×1560	660×660
500					680	5150		0.8	340	1650	1480×860×1620	660×660
630					810	6200	4.5	0.7	380	2000	1600×930×1700	710×710
800					980	7500		0.7	585	2360	1900×1000×1750	820×820
1000					1150	10300		0.6	630	2720	2000×1060×1840	820×820
1250					1360	12000		0.5	650	3350	2100×1130×1890	920×820
1600					1640	14500		0.5	850	3950	2200×1180×1960	920×820
2000					1940	17200		0.4	900	4600	2300×1250×2030	1070×1070
2500					2300	20300	5.5	0.4	1000	5600	2400×1360×2070	1070×1070

Note: The data in the table is for your reference only, subject to change without prior notice.



Product Introduction

- ◇ Type: outdoor type
- ◇ Normal service condition: Working altitude ≤1000m in indoor or outdoor use Maximum temperature: +40℃, minimum temperature: -25℃
- ◇ Special service condition: Altitude ≥1000m in indoor or outdoor use Maximum environmental temperature: +40℃, minimum temperature: -45℃ (should be noted when order）.
- ◇ Installation site: The place without the corrosive gas or dirt.

Product Standard

- ◇ GB1094.1～2.1996 power transformer
- ◇ GB1094.3, 5-2003 power transformer
- ◇ GB/T6451-2008 the technical parameters and requirements for three phase oil-immersed power transformer

Model implication

S 11 -M -□ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Sealed Structure
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

- ◇ Compare to S9 type , S11 series have average no-load loss dropped 30%.
- ◇ The low voltage winding takes a cylinder or helical construction, have high mechanical strength, ampere-turns distribute balanced and also have a good ability of resistance to short circuit.
- ◇ The fixed construction is added in this type transformer, to ensure there is no any displacement happened in the transportation. At the same time, all the fasteners are fixed with the binding nuts to keep them be solid in the long working situation, also meet the requirement of core hanging.
- ◇ The corrugation tank replaces the oil conservator, welds or fastens the tank cap and tank rim well. So that the working life of the transformer oil can be extended.
- ◇ After degreasing, derusting and phosphating the surface, printing the primer and finish paint then. It's able to be used in the special usage environment, like metallurgy and petrochemicals area or other bad place.
- ◇ Select the good quality component and take the full sealed transformer oil, install the pressure release valve, signal thermometer and gas relay to ensure the transformer work safe.
- ◇ The product has a nice appearance, small size, can be save more floor area for you. It's a high grade product with maintain-free.

Specification

S11-M Type 10kV Series Sealed Tank Distribution Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No Load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
30	6 6.3 6.6 10 10.5 11	±5 ±2×2.5	0.4	Yyn0 or Dyn11	100	600	4.0	1.8	80	300	830×590×980	400×400
50					130	870		1.7	100	360	880×600×1010	400×400
63					150	1040		1.6	110	420	910×650×1040	400×400
80					180	1250		1.5	125	480	930×700×1080	550×550
100					200	1500		1.4	135	550	940×710×1130	550×550
125					240	1800		1.3	145	650	950×720×1150	550×550
160					280	2200		1.2	155	750	1000×740×1220	550×550
200					340	2600		1.1	180	880	1040×750×1250	550×550
250					400	3050		1.0	215	1050	1340×750×1250	550×550
315					480	3650		0.9	240	1220	1350×780×1330	660×660
400					570	4300		0.8	300	1420	1460×840×1360	660×660
500					680	5150		0.8	340	1650	1480×860×1410	660×660
630					810	6200	4.5	0.7	380	2000	1570×930×1460	710×710
800					980	7500		0.7	585	2360	1700×1000×1540	820×820
1000					1150	10300		0.6	630	2720	1780×1060×1640	820×820
1250					1360	12000		0.5	650	3350	1840×1130×1690	920×820
1600					1640	14500		0.5	850	3950	1950×1180×1760	920×820
2000					1940	17200		0.4	900	4600	2050×1250×1830	1070×1070
2500					2300	20300	5.5	0.4	1000	5600	2160×1360×1870	1070×1070

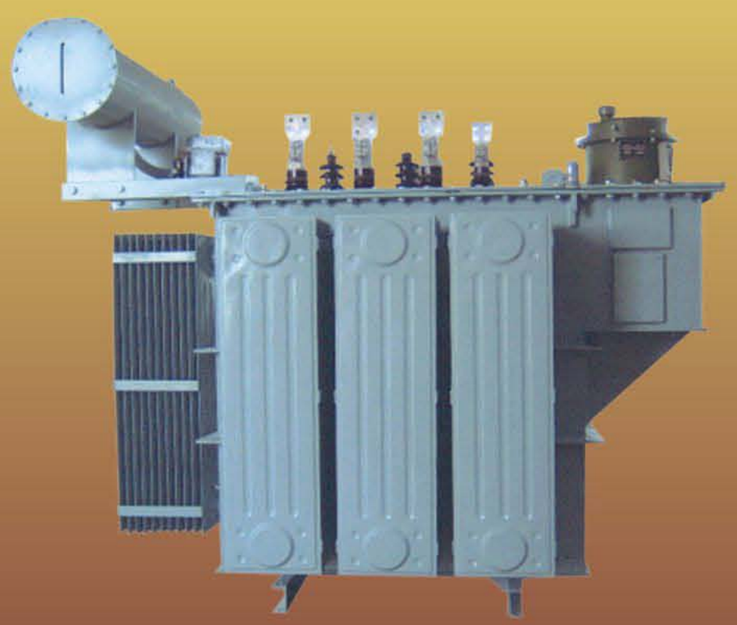
Note: 1. If you need the specification, size and weight information of larger capacity of 10kV series Power Distribution Transformer, please contact us.

2. We can provide transformer in different voltage, impedance voltage and connection group as your requirement.

3. We can provide the special transformer as your requirement, like Rectrifier transformer, Electric furnace transformer, Ming transformer, Power transformer with OLTC, the transformer with seal boot etc.

4. The data in the table is for your reference only, subject to change without prior notice.

SZ9 TYPE 10KV SERIES ON-LOAD REGULATOR TRANSFORMER



Product Introduction

- ◇ Type: outdoor type
- ◇ Normal service condition: Working altitude ≤1000m in indoor or outdoor use
  Maximum temperature: +40℃, minimum temperature: -25℃
- ◇ Special service condition: Altitude ≥1000m in indoor or outdoor use
  Maximum environmental temperature: +40℃, minimum temperature: -45℃
  (should be noted when order）.
- ◇ Installation site: The place without the corrosive gas or dirt.

Product Standard

- ◇ GB1094.1～2.1996 power transformer
- ◇ GB1094.3, 5-2003 power transformer
- ◇ GB/T6451-2008 the technical parameters and requirements for three phase oil-immersed power transformer

Model implication

S Z 9 - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- On-load voltage regulation
- Performance level No.
- Three phase oil immersed transformer

- ◇ With on-load voltage regulation, that meet customer's requirement of voltage , improve the quality of power up and can save the electric.
- ◇ The material of the core is high conductivity silicon steel sheet,multi-lamination mitred joint.
- ◇ The high voltage winding takes multi-layer cylindrical winding, improve the impulse voltage distribution; It strap with shrinkable tape without varnished that improve the mechanical strength.

Specification

SZ9 Type 10kV Series On-Load Regulator Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No Load Loss (W)	Load Loss (W)	Impedance Voltage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
200	6 6.3 10	±4×2.5	0.4	Yyn0 or Dyn11	480	3060	4.0	1.5	200	1000	1650×880×1350	550×550
250					560	3600		1.4	230	1100	1700×900×1500	550×550
315					670	4320		1.4	260	1300	1750×950×1600	660×660
400					800	5220		1.3	320	1500	1800×1100×1650	660×660
500					960	6210		1.2	360	1750	1850×1150×1700	660×660
630					1200	7650	4.5	1.1	400	2100	2000×1200×1750	710×710
800					1400	9360		1.0	620	2500	2300×1400×1850	820×820
1000					1700	10980		1.0	670	2900	2350×1450×1900	820×820
1250					1950	13050		0.9	690	3520	2400×1500×1950	920×820
1600					2400	15570		0.8	890	4150	2550×1550×2000	920×820
2000					2850	18900		0.8	950	4850	2780×1600×2280	1070×1070
2500					3300	22350	5.5	0.7	1130	5900	2950×1800×2400	1070×1070

Note: The data in the table is for your reference only, subject to change without prior notice.

SC(B)9, SC(B)10 TYPE 10kV SERIES RESIN INSULATION DRY-TYPE POWER TRANSFORMER

Product Introduction

The epoxy resin cast dry type transformer which is produced by high quality material with scientific formula and also according to the production process and the advanced testing equipments strict. It has a high reliability and long working life. There are many type packages with different protection levels can be chose under the different using environments. It's also a prefect replacement of the oil-immersed transformer which can be used in the important or special environment like high building, business centre, air port, tunnel, chemical plant, unclear power station or vessel etc.

Product Standard

- ◇ GB6450-1986 dry type power transformer
- ◇ GB/T10228-2008 the technicial parameters and requirements for dry type power transformer
- ◇ GB/T17211-1998
- ◇ GB1094.3-2003 Thrid parts of the power transformer: insulating level, insulation test and outer insulation of air gap
- ◇ JB/T10088-2004 6~500kV power transformer sound level
- ◇ JB/T56009-1998 dry type power transformer quality classification standard

Model implication

S C (B) 9 □/□

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Foil winding
- Cast resin type
- Three phase transformer

Performance characteristics

- ◇ Safety, fireproof, pollution-free, can be used in load centre directly.
- ◇ The characteristics are high mechanical strength, strong resistance to short circuit, small partial discharge and good heat stability.
- ◇ Low loss and noise, remarkable energy-saving and maintenance-free.
- ◇ Perfect heat dispersion, good overload capacity, can improve the operate of the voltage when force the air cooling.
- ◇ Good moistureproof property, can be used in high moisture or another extreme environment.
- ◇ This type use the intelligent temperature ontrol system, monitor automatically and show each winding's operating temperature, it can start and stop the fan automatic, and also have the setting of warning and trip.
- ◇ Small volume, light weight with cheap installation charge.

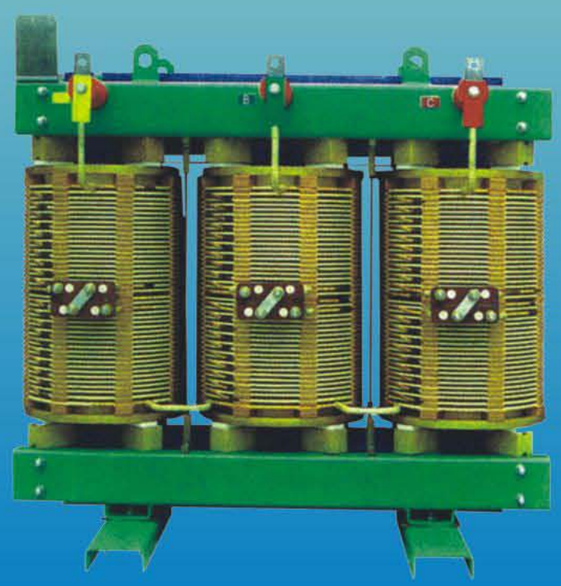
Specification

SC(B)9, SC(B)10 Type 10kV Series Cast Resin Dry-type Power Transformer

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	No Load Current (%)	Impedance Volatage (%)	Net Weight (kg)	Dimension(mm)		Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)							L*W*H (Without Shield)	L*W*H (With Shield)	
30	6 6.3 6.6 10 10.5 11	±5 or ±2×2.5	0.4	Yyn0 or Dyn11	220	750	2.4	4	380	820×600×820		550×550
50					310	1060	2.1		480	850×600×850		550×550
80					420	1460	1.8		600	950×600×950		550×550
100					450	1670	1.8		750	1040×600×1000	1300×1000×1300	550×550
125					530	1950	1.6		850	1080×600×1050	1300×1000×1300	550×550
160					610	2250	1.6		950	1120×770×1100	1400×1000×1400	710×660
200					700	2670	1.4		1150	1160×770×1150	1450×1100×1450	710×660
250					810	2920	1.4		1350	1220×770×1200	1500×1150×1500	710×710
315					990	3670	1.2		1600	1260×770×1250	1550×1150×1550	710×710
400					1100	4220	1.2		1750	1320×770×1300	1600×1150×1600	710×710
500					1300	5170	1.2		2050	1360×820×1350	1650×1200×1650	760×710
630					1500	6220	1.0		2300	1420×820×1400	1700×1200×1700	760×710
630					1460	6310	1.0	6	2400	1450×820×1410	1800×1250×1800	760×710
800					1710	7360	1.0		2700	1480×980×1550	1800×1250×1800	920×820
1000					1990	8610	1.0		3200	1520×980×1600	1850×1250×1850	920×820
1250					2350	10260	1.0		3700	1600×980×1650	1900×1250×1900	920×820
1600					2760	12400	1.0		4500	1680×980×1700	1950×1300×1950	920×920
2000					3400	15300	0.8		4800	1760×980×1800	2000×1300×2100	920×920
2500					4000	18180	0.8		5300	1900×980×1900	2200×1400×2200	1020×920

Note: 1. About power transformer with OLTC only change below data: increase the weight of 100g, OLTC spread over the side a increase 650mm, front side b increase 750mm.
2. Power transformer with OLTC can provide the range of 4x2.5% for high voltage.
3. The data in the table is for your reference only, subject to change without prior notice.

SG(B)10 TYPE 10kV SERIES NON ENCAPSULATED COIL DRY-TYPE TRANSFORMER



Product Introduction

The non-encapsulated coil three-phase dry type power transformer that adopt UL certificated NOMEX insulation system, with advantages of safe, reliable, energy saving, fireproof, explosion resistant, simple maintenance and so on. It has superior design, reasonable structure, elegant appearance, and its main performance index is superior to domestic standard, such as local discharge level, no load loss, load loss, noise and capability of operating in serious humid environment, it can be installed in humid environment like places near lake, sea or rive., also suitable for areas that require high fireproof capability and high load, such as high-rise, airport, station, dock, underground railway, hospital, electric power plant, metallurgy industry, shopping center, residential area, petrochemical industry, nuclear power station, nuclear submarine, etc.

Product Standard

- ◇ GB6450-1986 dry type power transformer
- ◇ GB/T10228-1997 the technicial parameters and requirements for dry type power transformer
- ◇ GB/T17211-1998
- ◇ GB1094.3-2003 Thrid parts of the power transformer: insulating level, insulation test and outer insulation of air gap
- ◇ JB/T10088-2004 6~500kV power transformer sound level
- ◇ JB/T56009-1998 dry type power transformer quality classification standard

Model implication

S G (B) 10 - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Foil winding
- Dry type Transformer
- Three phase transformer

Performance characteristics

- ◇ The elaborate designed coil structure and vacuum immersed treatment enable SG(B)10 transformer operates without local charging, and no crack performance will be found during the whole service life, and its insulation level will be kept as good as beginning .
- ◇ The high voltage part adopts continuous wire winding. LV foil winding, vacuum immersed, curing processed and high strength ceramics supporting, with fine withstand capability to paroxysmal short-circuit current.
- ◇ Flame resisting, flameproof, nontoxic, self-extinguishing, fireproof.
- ◇ When burn SC(B)10 transformer in high temperature and open fire, almost no fume will be produced.
- ◇ Insulation of the transformer is H grade (180 degree).
- ◇ The insulation layer is very thin, with strong short-time over load capability, needless of forced cooling, can be overloaded for 120% for long term and 140% for 3 hours. As this kind of insulation material has elasticity and will not be aged, it can be full loaded at once under ±50°C.

Specification

SG(B)10 Type 10kV Series Non Encapsulated coil Dry-type Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	No Load Current (%)	Impedance Volatage (%)	Net Weight (kg)	Dimension(mm)		Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)							L*W*H (Without Shield)	L*W*H (With Shield)	
100	6 6.3 6.6 10 10.5 11	±5 ±2×2.5	0.4	Yyn0 or Dyn11	400	2160	1.7	4	750	1050×600×1000	1300×1000×1500	550×550
160					560	3100	1.5		950	1120×770×1100	1400×1100×1500	710×660
200					650	3970	1.4		1150	1160×770×1150	1450×1100×1500	710×660
250					750	4670	1.3		13580	1220×770×1200	1500×1150×1500	710×710
315					880	5610	1.1		1600	1260×700×1250	1550×1150×1550	710×710
400					1040	6630	1.1		1750	1320×770×1300	1600×1150×1600	710×710
500					1200	7940	1.0		2050	1360×820×1350	1650×1200×1650	760×710
630					1340	9770	0.9	6	2400	1420×820×1400	1700×1200×1700	760×710
800					1690	11560	0.75		2800	1500×980×1550	1850×1250×1800	920×820
1000					1980	13340	0.65		3200	1550×980×1600	1850×1250×1850	920×820
1250					2380	15640	0.6		3800	1600×980×1650	1900×1250×1900	920×820
1600					2730	18100	0.6		4500	1700×980×1700	2000×1300×2100	920×920
2000					3320	21250	0.5		5600	1800×980×1800	2100×1300×2200	920×920
2500					4000	24730	0.45		6300	1850×980×1900	2100×1300×2300	1020×920

Note: The data in the table is for your reference only, subject to change without prior notice.

S9 TYPE 35kV SERIES DISTRIBUTION TRANSFORMER

Product Introduction

- ◇ Type: outdoor type
- ◇ Normal service condition: Working altitude ≤1000m in indoor or outdoor use.
- ◇ Special service condition: Altitude ≥1000m in indoor or outdoor use.
- ◇ Installation site: The place without the corrosive gas or dirt.
- ◇ This transformer is ection transformer, so can be used for industry and agriculture's electric and lighting from 35kV power system.

Product Standard

- ◇ GB1094.1～2.1996 power transformer
- ◇ GB1094.3, 5-2003 power transformer
- ◇ GB/T6451-2008 the technical parameters and requirements for three phase oil-immersed power transformer

Model implication

S 9 - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

This product have the replacement on the material, technique and the structure, that make the electric performance reached the world advanced level in this industry. The characteristics are high efficiency and low loss, can save amount of electrical and freight, and have the observed social benefit.

The core use the high quality cold rolled grain orientated silicon steel sheet in full mirtred joint. Tank is square and adding the oil in vacuum environment. And have tube radiator, corrugated radiator and vane radiator for your choise.

Specification

S9 Type 35kV Series Distribution Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	Impedance Volatage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
50	35 38.5	±5%	0.4	Yyn0	210	1210	6.5	2	230	650	1120×930×1450	550×550
100					290	2020		1.8	280	800	1120×950×1500	550×550
125					340	2380		1.7	330	920	1150×1000×1650	550×550
160					360	2840		1.6	340	950	1200×1000×1680	550×550
200					430	3330		1.5	350	1120	1350×1080×1720	660×660
250					510	3960		1.4	400	1300	1400×1100×1760	660×660
315					610	4770		1.4	450	1300	1950×950×1840	660×660
400					730	5760		1.3	500	1300	1980×1050×1900	660×660
500					860	6930		1.2	550	1300	2020×1150×1980	660×660
630					1040	8280		1.1	650	2400	2100×1200×2050	710×710
800					1230	9900		1.0	800	2900	2200×1250×2150	710×710
1000					1440	12150		1.0	950	3400	2300×1300×2200	820×820
1250					1760	14670		0.9	1080	4050	2400×1350×2250	820×820
1600					2120	17550		0.8	1180	4800	2450×1480×2300	820×820
2000					2510	20800		0.7	1250	5400	2500×1600×2400	1070×1070
2500					2970	24600		0.7	1480	6300	2580×1880×2500	1070×1070
3150					3800	29200		0.6	1750	7100	2700×2250×2630	1070×1070

Note: 1. If you need the specification, size and weight information of larger capacity of 35kV series Power Distribution Transformer, please contact us.

2. We can provide transformer in different voltage, impedance voltage and connection group as your requirement.

3. The data in the table is for your reference only, subject to change without prior notice.

S9 TYPE 35kV/6-10kV SERIES DISTRIBUTION TRANSFORMER

Product Introduction

This transformer meet the criteria of GB1094 and GB/T6451. There have the replacement on the material, technique and the structure, that make the electric performance reached the world advanced level in this industry. The characteristics are high efficiency and low loss, can save amount of electrical and freight, and have the observed social benefit. This unit is the most popular model and popularized by the nation .

Product Standard

- ◇ GB1094.1～2.1996 power transformer
- ◇ GB1094.3, 5-2003 power transformer
- ◇ GB/T6451-2008 the technical parameters and requirements for three phase oil-immersed power transformer

Model implication

S 9 - □ /□

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Three phase oil immersed transformer

Performance characteristics

- ◇ The material of the core is high conductivity silicon steel sheet,multi-lamination mitred joint. Which makes the no load loss and no load current be lower.
- ◇ High voltage winding use continuous connection type. And low voltage winding use the continuous or helical connection type. So it have high mechanical strength, ampere-turns distribute balanced and also have a good ability of resistance to short circuit.
- ◇ The tank takse the bell type tank or barrel type tank, the tank wall is corrugated shape. Hvae the nice surface and high mechanical strength. Using the sophoisticated flanged joint to connect the key position, this prevents leakage.

Specification

S9 Type 35kV/6-10kV Series Distribution Transformer Specification

Capacity (kVA)	Voltage			Connection Group	Loss(kW)		Impedance Voltage (%)	No Load Current (%)	Weight (kg)		Dimension(mm)	Installation Size (mm)
	High(kV)	Tapping(%)	Low(kV)		No Load	Load			Oil Weight	Gross Weight	L*W*H	
1000	35 38.5	±5 ±2×2.5	6.3 10.5	Yd11	1.44	12.15	6.5	1.0	1000	3800	2400×1650×2500	820×820
1250					1.76	14.67		0.9	1050	4100	2430×1730×2500	820×820
1600					2.12	17.55		0.8	1100	4700	2470×1750×2530	820×820
2000					2.72	19.35		0.7	1200	5300	2600×1900×2600	1070×1070
2500					3.2	20.7		0.6	1350	6200	2650×2100×2700	1070×1070
3150					3.8	24.3	7	0.56	1550	7100	2750×2100×2700	1070×1070
4000					4.52	28.8		0.56	1750	8650	2800×2350×2800	1070×1070
5000					5.4	33.03		0.48	1950	10000	2900×2500×2900	1070×1070
6300					6.56	36.9	7.5	0.48	2350	11700	3300×2400×3150	1070×1070
8000			6.3 10.5	YNd11	9	40.5		0.42	2500	14500	3750×3100×3300	1475×1475
10000					10.88	47.7		0.42	2850	16500	3400×3200×3400	1475×1475
12500					12.8	56.7	8	0.4	3300	18500	3700×3250×3580	1475×1475
16000					15.2	69.3		0.4	3800	23000	4000×3400×3700	1475×1475
20000					18	83.7		0.4	4500	27200	4120×3500×3850	1475×1475

Note: The data in the table is for your reference only, subject to change without prior notice.

SZ9/SFZ9 TYPE 35kV SERIES ON-LOAD REGULATOR TRANSFORMER

Product Introduction

This transformer meet the criteria of GB1094 and GB/T6451. There have the replacement on the material, technique and the structure, that make the electric performance reached the world advanced level in this industry. The characteristics are high efficiency and low loss, can save amount of electrical and freight, and have the observed social benefit. This unit is the most popular model and popularized by the nation .

Product Standard

- ◇ GB1094.1～2.1996 power transformer
- ◇ GB1094.3, 5-2003 power transformer
- ◇ GB/T6451-1999 the technical parameters and requirements for three phase oil-immersed power transformer

Model implication

S F Z 9 □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- On-load voltage regulation
- Forced air cooling
- Three phase oil immersed transformer

Performance characteristics

- ◇ OLTC transformer meet the requirement of voltage, that improve the quality of power-supply and save the energy
- ◇ The material of the core is high conductivity silicon steel sheet,multi-lamination mitred joint. Which makes the no load loss and no load current be lower.
- ◇ High voltage winding use continuous connection type. And low voltage winding use the continuous or helical connection type. So it have high mechanical strength, ampere-turns distribute balanced and also have a good ability of resistance to short circuit.
- ◇ The tank takse the bell type tank or barrel type tank, the tank wall is corrugated shape. Hvae the nice surface and high mechanical strength. Using the sophoisticated flanged joint to connect the key position, this prevents leakage.

Specification

SZ9/SFZ9 Type 35kV Series On-load Regulator Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	Impedance Volatage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
SZ9-1600/35	35 38.5	±3% ×2.5	10.5 6.3 11	Yd11	2.3	18.5	6.5	1	1450	5050	2850×2050×2300	820×820
SZ9-2000/35					2.88	20.25		0.8	1600	5900	3020×2250×2650	1070×1070
SZ9-2500/35					3.4	21.73		0.8	1750	6950	3150×2280×2650	1070×1070
SZ9-3150/35					4.04	26.01	7	0.72	1950	7900	3300×2350×2900	1070×1070
SZ9-4000/35					4.84	30.69		0.72	2250	9100	3350×2500×3000	1070×1070
SZ9-5000/35					5.8	36		0.68	2500	10900	3500×2650×3050	1070×1070
SZ9-6300/35					7.04	38.7	7.5	0.68	2650	12500	3800×3150×3300	1070×1070
SZ9-8000/35				YNd11	9.84	42.75		0.6	3350	15500	4200×3160×3400	1475×1475
SZ9-10000/35					11.6	50.58		0.6	3750	18000	4500×3200×3500	1475×1475
SZ9-12500/35					13.68	59.85	8	0.56	4250	23500	4800×3200×3600	1475×1475
SZ9-16000/35					16.46	74.02		0.54	6300	26000	4900×3400×3700	1475×1475
SZ9-20000/35					19.46	87.14		0.54	7500	32500	5000×3500×4000	1475×1475

Note: 1. If you need the specification, size and weight information of larger capacity of 35kV series Power Distribution Transformer, please contact us.

2. When the capacity ≥8000kV, we can provide the transformer(Model no. SFZ9) with air-colling set as your requirement.

3. The data in the table is for your reference only, subject to change without prior notice.

110kV SERIES POWER TRANSFORMER

Product Introduction

This porducts have the features that low loss, noise and local radiate; high mechanization, full sealed without hanging the core. It can save operating cost, and improve the economic benefit and the safety of the power network system.

Product Standard

- ◇ GB1094.1~GB1094.2-1996
- ◇ GB1094.3-2003
- ◇ GB10943.5-2003
- ◇ GB/T6451-1999
- ◇ IEC76

Model implication

S (F) S (Z) 11 - □ / 110

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.(*)
- On-load voltage regulation (no load canceled)
- Three Winding(two winding canceled)
- Forced air cooling(self-cooling canceled)
- Three phase oil immersed transformer

(*) We can provide 9,10,11 types or more lower loss item as your requirement.

Performance characteristics

- ◇ Iron Core: material is high quality silicon steel, with several layers lapped and the connection type is mitred joint, that reduce the no-loas loss. The core and yoke section adopt the optimal design, which improve the yoke's clamp degree and reduce the noise.
- ◇ Winding: Support by the fashioned cylinder, adding more support point for inner winding. Improve the mechanical strength, change the transposition, use the combination conductors, that reduce the no load loss. Simulating winding's thermal field by computer, that decided the structure of the radiator and oil guider then. Makes the temperature difference between copper and oil lower.
- ◇ Fitting: All valve use the superior alloy steel, escape the leakage, make sure the goo performance; The oil conduit use the square seamless tube that in case of the leakage. Make the transformer have a nice surface.

SFZ9 Type 110kV series two circuit power transfer with OLTC Specification

Capacity (kVA)	Voltage			Connection Group	Loss(kW)		Impedance Voltage (%)	No Load Current (%)	Weight (kg)	Dimension(mm)	Installation Size (mm)
	High(kV)	Tapping(%)	Low(kV)		No Load	Load				L*W*H	
10000	110 121	±8×1.25	6.6 6.3 10.5 11	YNd11	13.7	53	10.5	0.85	21500	5560×3500×4780	1475×1475
12500					15.7	63		0.8	25000	5650×3580×4850	
16000					18.4	77		0.75	30300	5700×3650×4900	2040×1475
20000					21.1	94		0.7	36000	5950×3850×5000	
25000					24.3	111		0.65	41500	5980×4100×5050	
31500					27.9	133		0.6	50100	6100×4120×5100	
40000					33.3	157		0.55	59000	6400×4250×5200	
50000					39.6	194		0.5	68000	6600×4450×5400	
63000					50.4	234		0.45	81000	6800×4650×5600	

Note: The data in the table is for your reference only, subject to change without prior notice.

SFS9 Type 110kV series two circuit power transfer with OLTC Specification

Capacity (kVA)	Voltage				Connection Group	Loss(kW)		Impedance Voltage (%)		No Load Current (%)	Weight (kg)	Dimension(mm)	Installation Size (mm)
	High(kV)	Tapping (%)	Middle (kV)	Low (kV)		No Load	Load	Step Up	Step Down			L*W*H	
10000	110 121	±2×2.5	35 38.5	6.6 6.3 10.5 11	Yyn0 Dyn11	15.3	67	High-Middle 17-18 High-Low 10.5 Middle-Low 6.5	High-Middle 10. 5 High-Low 17-18 Middle-Low 6.5	0.9	24000	5350×3100×5000	1475×1475
12500						17.5	78			0.85	28500	5450×3150×5200	
16000						19.8	95			0.8	34000	5500×3200×5400	2040×1475
20000						23.4	112			0.75	38500	5600×3250×5500	
25000						26.5	133			0.7	44500	5800×3600×5650	
31500						30.6	157			0.65	52800	6250×3950×5800	
40000						36	189			0.6	62800	6500×4100×5900	
50000						43.5	225			0.55	73000	6750×4200×6050	
63000						51.2	270			0.5	88000	7000×4450×6250	

Note: The data in the table is for your reference only, subject to change without prior notice.

KS9 TYPE 6-10kV SERIES DISTRIBUTING OIL-IMMERSED TRANSFORMER

Product Introduction

- ◇ KS9 transformer applies to central substation and parking lot under the mine, controlling and main air-intake duct, and even the place have the gas but without dangerous. Also can used in the wet tunner.
- ◇ Normal Service condition: Working attitude ≤ 1000m, Maximum temperature +40℃, Minimum Temperature -25℃.
- ◇ Special service condition: Altitude ≥1000m in indoor or outdoor use Maximum environmental temperature: +40℃, minimum temperature: -45℃ (should be noted when order）.
- ◇ Relative humidity≤95%(±25℃)
- ◇ Installation site: the place without strong jolts and the gradients with vertical≤35°.

Product Standard

- ◇ JB3995-2006
- ◇ GB1094.1-1996
- ◇ GB1094.2-1996
- ◇ GB1094.3-2003
- ◇ GB1094.5-2003

Model implication

K S 9 - □ / □

- Voltage Level(kV)
- Rated capacity(kVA)
- Performance level No.
- Three phase oil immersed transformer
- Mining type(normal type)

Performance characteristics

- ◇ The tank have the strong structure, can bear a atmosphere's pressure test, the cover without oil conservator. The tank wall weld the HV and LV junction box, use for cable connection. High voltage winding have rated voltage and ±5% tapping voltage, can use tap switch change the voltage. It is important to note that operator must cut down the power before change the voltage.
- ◇ Low voltage side allowed to connected as Y for 690V, and connected as △ for 400V. The secondary terminal lead out six bushing for customer refit.
- ◇ The unit can be hangered by the hanger which weld at the wall side. And under the bottom there have the bogie frame, can add the tramcar wheel as your requirement.

Specification

KS9 Type 6-10kV Series Distributing Oil-immersed Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	Impedance Volatage (%)	No Load Current (%)	Weight(kg)		Dimension(mm)	Installation Size (mm)
	High (kV)	Tapping (%)	Low (kV)						Oil Weight	Gross Weight	L*W*H	
50	6 6.3 10	±5 or ±2×2.5	0.4 0.69	Yyn0 or Yd11	170	870	4.0	2.0	90	400	1150×750×980	400×200
80					250	1250		1.8	120	550	1240×770×1010	550×220
100					290	1500		1.6	130	580	1250×780×1050	550×240
125					340	1800		1.5	140	650	1280×790×1080	550×240
160					400	2200		1.4	160	790	1350×820×1120	660×260
200					480	2600		1.3	190	900	1450×840×1130	660×260
250					560	3050		1.2	220	1040	1480×920×1200	660×300
315					670	3650		1.1	250	1200	1500×950×1250	660×300
400					800	4300		1.0	310	1410	1650×950×1400	660×320
500					960	5150		1.0	350	1620	1750×980×1500	660×340
630					1200	6200	4.5	0.9	400	1850	1800×1100×1550	710×360
800					1400	7500		0.9	600	2200	1900×1200×1700	820×380

Note: 1. We can provide different low voltage for 1.2 kV transformer as your requirement.

2. The data in the table is for your reference only, subject to change without prior notice.

KBSG9-50~1600/10
OIL-IMMERSED TRANSFORMER

Product Introduction

- ◇ KBSG9 type transformer not only can be used in the mine which have methane mixed gas, coal dust and the dangerous explosion. But also can be used in the palce have the gas and steam, that can't corrode the metal and destroy the insulation. This transformer have the characteristics of high strength, low temperature rise, good rediating and moistureproof.
- ◇ Normal Service condition: Working attitude ≤ 1000m.(Please note if use in special condition)
- ◇ Ambient temperature≤40℃
- ◇ Ambient relative humidity≤95%(in +25℃)
- ◇ Installation site: the place without strong jolts and the gradients with vertical≤15°.

Product Standard

◇ GB8286-2005 ◇ GB3836.1-2000 ◇ GB3836.2-2000
◇ GB3836.3-2000 ◇ GB/T10228-1997 ◇ GB6450-1986
◇ JB/T56152-94

Model implication

K B S G 9 - □ □ /□

- Voltage Level(kV)
- Rated capacity(kVA)
- T- cylindrical type
- Performance level No.
- Dry type(non encapsulated coil)
- Phase: S-three phase; D-single phase
- Flame-proof type
- Mining type

Performance characteristics

The core takes the grain oriented silicon sheet steel. The characteristics are low no load loss, low no load current and low noise. All insulation use the H level or C level material, so the heat stability is good. Can long running in full load.

6kV KBSG9 Oil-Immersed Transformer

Capacity (kVA)	Voltage (kV)	Connection Group	Impedance Voltage (%)	Loss(kW)		No Load Current (%)	Weight (kg)	Dimension(mm) L*W*H
				No Load	Load			
KBSG-50/6	High Voltage 6 Low Voltage 0.693/0.4 1.2/0.693 3.45	Yy0(d11)	4	350	550	2.5	1250	2075×1100×1050
KBSG-80/6				450	780	2.5	1300	2150×1100×1100
KBSG-100/6				520	920	2.5	1400	2150×1100×1100
KBSG-160/6				700	1300	2.0	1500	2200×1100×1220
KBSG-200/6				820	1550	2.0	2100	2650×1100×1400
KBSG-250/6				950	1800	2.0	2470	2690×1100×1420
KBSG-315/6				1100	2150	1.8	2895	2830×1100×1410
KBSG-400/6				1300	2600	1.8	3260	2920×1100×1440
KBSG-500/6				1500	3100	1.5	3700	2990×1100×1475
KBSG-630/6				1800	3680	1.5	4120	3050×1100×1550
KBSG-800/6		Yy0(d11) Yyno		2050	4500	1.0	5300	3100×1100×1430
KBSG-1000/6				2350	5400	1.0	5700	3160×1100×1480
KBSG-1250/6		Yy0 Yyno		2750	6500	1.0	6600	3200×1100×1520
KBSG1600/6				3350	8000	0.8	7600	3260×1100×1570

10kV KBSG9 Oil-Immersed Transformer

Capacity (kVA)	Voltage (kV)	Connection Group	Impedance Voltage (%)	Loss(kW)		No Load Current (%)	Weight (kg)	Dimension(mm) L*W*H
				No Load	Load			
KBSG-50/10	10 0.693/0.4 1.2/0.693 3.45	Yy0(d11)	4	390	680	2.5	1250	2075×1100×1050
KBSG-80/10				490	880	2.5	1300	2150×1100×1100
KBSG-100/10				560	1050	2.5	1400	2150×1100×1100
KBSG-160/10				800	1500	2.0	1500	2200×1100×1200
KBSG-200/10				950	1800	2.0	2200	2760×1100×1480
KBSG-250/10				1100	2100	2.0	2760	2800×1100×1510
KBSG-315/10				1300	2500	1.8	2990	2840×1100×1500
KBSG-400/10				1500	3000	1.8	3430	2940×1100×1550
KBSG-500/10				1750	3500	1.5	3800	3020×1100×600
KBSG-630/10				2000	4100	1.5	4380	3140×1100×1410
KBSG-800/10		Yy0(d11) Yyno		2300	5100	1.2	5400	3190×1100×1490
KBSG-1000/10			4.5	2600	6100	1.2	6500	3240×1100×1530
KBSG-1250/10		Yy0 Yyno		3100	7400	1.0	7100	3300×1100×1580
KBSG1600/10			5	3800	8500	1.0	8050	3350×1100×1630

6kV KBSG9-T Oil-Immersed Transformer

Capacity (kVA)	Voltage (kV)	Connection Group	Impedance Voltage (%)	Loss(kW)		No Load Current (%)	Weight (kg)	Dimension(mm) L*W*H
				No Load	Load			
KBSG-T-50/6	High Voltage 6 Low Voltage 0.693/0.4 1.2/0.693 3.45	Yy0(d11)	4	350	550	2.5	1250	2075×808×1050
KBSG-T-80/6				450	780	2.5	1300	2150×808×1100
KBSG-T-100/6				520	920	2.5	1400	2150×808×1100
KBSG-T-160/6				700	1300	2.0	1500	2290×815×1220
KBSG-T-200/6				820	1550	2.0	2200	2900×815×1220
KBSG-T-250/6				950	1800	2.0	2760	2400×1100×1255
KBSG-T-315/6				1100	2150	1.8	2990	2500×1100×1370
KBSG-T-400/6				1300	2600	1.8	3430	2600×1100×1445
KBSG-T-500/6				1500	3100	1.5	3800	2740×1100×1570
KBSG-T-630/6				1800	3680	1.5		
KBSG-T-800/6		Yy0(d11) Yyno		2050	4500	1.0		
KBSG-T-1000/6				2350	5400	1.0		
KBSG-T-1250/6		Yy0 Yyno		2750	6500	1.0		
KBSG-T-1600/6				3350	8000	0.8		

10kV KBSG9-T Oil-Immersed Transformer

Capacity (kVA)	Voltage (kV)	Connection Group	Impedance Voltage (%)	Loss(kW)		No Load Current (%)	Weight (kg)	Dimension(mm) L*W*H
				No Load	Load			
KBSG-T-50/10	High Voltage 10 Low Voltage 0.693/0.4 1.2/0.693 3.45	Yy0(d11)	4	390	680	2.5	1250	2575×720×870
KBSG-T-80/10				490	880	2.5	1300	2650×720×870
KBSG-T-100/10				560	1050	2.5	1400	2815×750×905
KBSG-T-160/10				800	1500	2.0	1500	2815×750×905
KBSG-T-200/10				950	1800	2.0	2200	2815×800×905
KBSG-T-250/10				1100	2100	2.0	2760	2815×900×980
KBSG-T-315/10				1300	2500	1.8	2990	2865×1100×1030
KBSG-T-400/10				1500	3000	1.8	3430	2865×1100×1090
KBSG-T-500/10				1750	3500	1.5		
KBSG-T-630/10				2000	4100	1.5		
KBSG-T-800/10		Yy0(d11) Yyno		2300	5100	1.2		
KBSG-T-1000/10			4.5	2600	6100	1.2		
KBSG-T-1250/10		Yy0 Yyno		3100	7400	1.0		
KBSG-T-1600/10			5	3800	8500	1.0		

ZGS11-H(Z)
COMBINED TRANSFORMER

Product Introduction

- ◇ The ZGS11 combined transformer is the self-developed high-tech products, which based on the technical of Padmounted transformer.
- ◇ The range of capacity is 200~1000kVA, it can be used in the insulation system with10kV network neutral point or earthed by the small resistance; 400V system earthed directly by three-phase four-wire system.
- ◇ This transformer have the features of good complete set, strong over load ability, small size, light weight, low noise; have the ring power supply or the terminal power supply system.

Product Standard

- ◇ JB/T 10217-2000 combined instrument transformer
- ◇ GB1094.1-2~1996 Power transformer
- ◇ GB3804-1990 3-63kV Ac high voltage load switch
- ◇ GB7251.1-1997

Model implication

Z G S 11 - H(Z) - □/□

- Voltage Level(kV)
- Rated capacity(kVA)
- HV connection type: H-ring type;Z-terminal type
- Performance level No.
- Three phase transformer
- In common tank
- Combined instrument transformer

Performance characteristics

- ◇ No-load loss reduce 30.12% compared to 9 type transformer, Yearly operation costs reduce 20.03%. It's a eco-friendly products with low noise.
- ◇ Install the main body, HV load switch, fuse, off-circuit changer in the oil tank, that save the space. The volume is the equal to 1/3 of the combined transformer (also named in same capacity and voltage.
- ◇ Separate the HV chamber and LV chamber. Use the interloc, only open the LV chamber, then HV chamber can be opened. Full insulating high voltage terminal.
- ◇ Using two-stage fuse (plug-type and back up limit fuse) to protection, makes the unit more safety, operating convenient.
- ◇ Full sealed oil tank makes the oil cut off from the outside. No leakage, and maintenance-free.

Features

- ZGS11 combined transformer composed by HV and LV operation room and transformer machine. Operation room install the HV terminal and LV terminal, on-load switch, off-circuit changer, operating handle of plug type fuse, pressure relief valve oil-level meter and thermometer; The transformer machine consist of main body, HV load switch, plug type fuse, back up limit protection fuse.
- The high voltage input conductor connect with the load switch through the elbow connector, feed-through plug and bushing base.
- The high voltage side use the double fuse (plug-type and back up limit type) to protect.
- The high voltage load switch connect convenient. Have ring type and terminal type, and transfor convenient.
- The low voltage operation room can choose fixed-type or draw-out switchgear, and install all kinds of low voltage electrical apparatus, meters and protection.
- Full sealed oil tank use the corrugated radiator, that make the nice surface.

Specification

ZGS11-H(Z) Combined Transformer Specification

Capacity (kVA)	Voltage			Connection Group	No load Loss (W)	Load Loss (W)	Impedance Volatage (%)	No Load Current (%)	Weight(kg)			Dimension(mm)	HV Connection Mode
	High (kV)	Tapping (%)	Low (kV)						Body Weight	Oil Weight	Total Weight	L*W*H	
200	10	±2×2.5	0.4	Yyn0 or Dyn11	335	2600	4.0	0.60	601	733	1894	1865×1240×1735	Ring type(H) or Terminal type(Z)
250					390	3050		0.50	716	749	2060	1865×1280×1735	
315					465	3650		0.45	835	733	2148	1865×1730×1735	
400					560	4300		0.40	1006	729	2375	1865×1440×1805	
500					670	5100		0.40	1156	747	2603	1865×1450×1805	
630					840	6200	4.5	0.40	1295	757	2826	1865×1450×1860	
800					980	7500		0.40	1521	872	3357	1865×1495×1860	
1000					1190	10300		0.30	1634	970	3704	1865×1510×1860	

Note: The data in the table is for your reference only, subject to change without prior notice.