

ZHENGXIELECTRIC



ZHEJIANG ZHENGXI ELECTRIC GROUP CO., LTD

Website: www.zhengxi1983.com

Email: sales@zhengxi1983.com



COMPANY INTRODUCTION

ZHEJIANG ZHENGXI ELECTRIC GROUP CO., LTD. is a professional manufacturer of power supply equipment such as transformers, voltage stabilizers, voltage regulators, high-voltage vacuum circuit breakers, and distribution boxes. The company's products are widely used in machinery, CNC machine tools, elevators, textiles, petrochemicals, metallurgy, railways, medical and other industries. The products are exported to Russia, Bangladesh, India, Dubai, Indonesia and other South East Asian countries as well as Asia and Africa regions. Pro-found experience ensures high quality. With more than 20+ years of manufacturing experience, we are very confident in producing high-quality products that meet your requirements. We will never stop our steps on the way to develop new products and assist our customers, OEM and ODM orders are welcomed.

8,000m²

Plant size

100+

Skillful Workers

10+

R&D Staff

20+

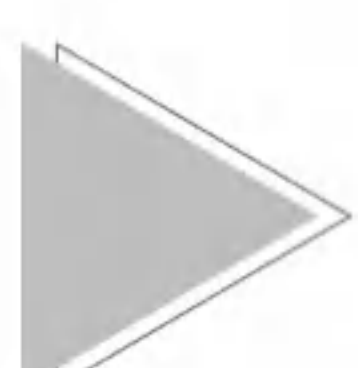
Years Production Experience

1,000+

Million Annual Output Value



Professional



Dedicated



Innovative



Efficient



BRAND PRODUCTION EXPERIENCE

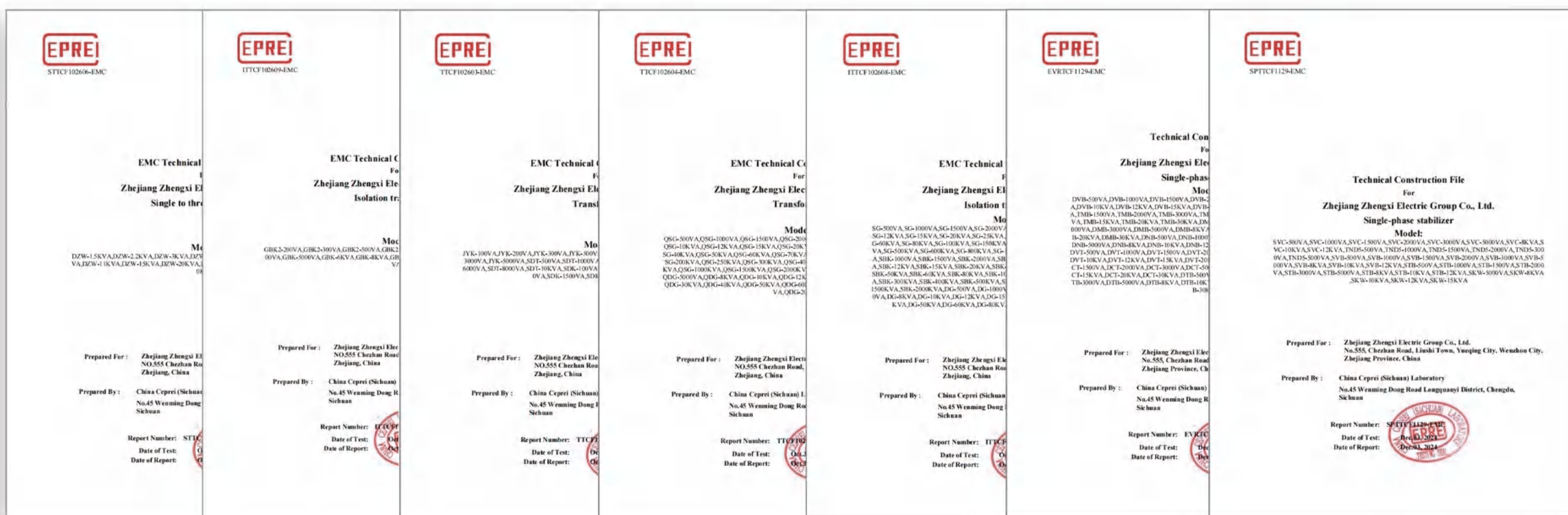


ENTERPRISE
QUALIFICATION

ISO CERTIFICATION



INSPECTION REPORT



CE CERTIFICATION



CATALOG

Advanced production equipment,
Reliable quality

OIL IMMERSED TRANSFORMER	01–15
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PRODUCTION PROCESS

Advanced production equipment,
Reliable quality

Silicon steel sheet



Winding



Assembly



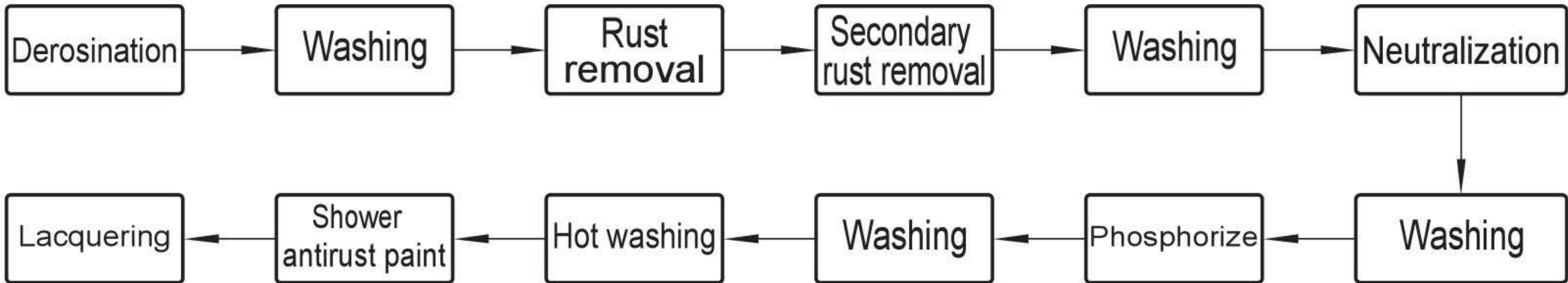
PRODUCTION
PROCESS

Advanced production equipment,
Reliable quality

Sheet metal manufacturing



Flow chart of rust removal and lacquer process for
corrugated oil tank of oil-immersed transformer



PRODUCTION PROCESS

Advanced production equipment,
Reliable quality

Oven equipment



Test



PRODUCTION PROCESS

Advanced production equipment,
Reliable quality

Finished products



OIL IMMERSION TRANSFORMER

> *Infinite Technology*
Perfect Motivity





SINGLE-PHASE POLE MOUNTED TRANSFORMER

-----OIL IMMERSED CATALOGUE 2.4KV UP TO 36KV

> Features of Products

The single-phase pole-mounted distribution transformers are specifically designed for the decentralization distribution network of servicing residential overhead distribution loads of town and countryside.

They are also suitable for light and diversified power applications. These transformers are designed for the application conditions normally encountered on electric utility power distribution systems.

Offers 2 basic transformer types and two kinds of metal core types Conventional type and Complete Self Protect type, and for the transformer core

Two types of materials are available: C.R.G.O. wound core and amorphous metal core.

> Standard

Full complied with JB/T10317-2002

> Product Features

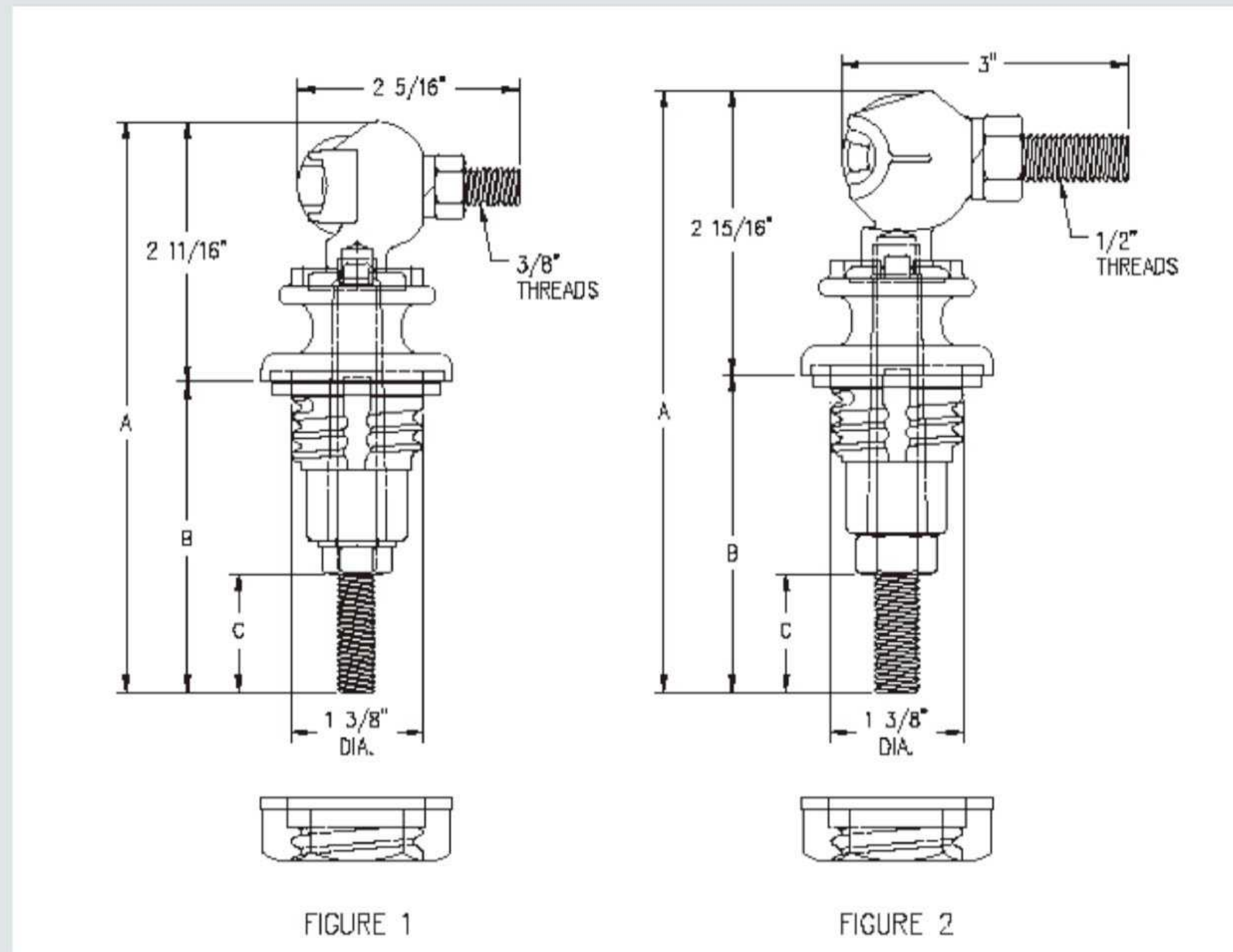
- 1. Meet or exceeds ANSI Standards
- 2. Safe Handling, Installation and Operation.
- 3. Attractive, modern appearance
- 4. Reasonable Structure
- 5. Fully-sealed
- 6. Higher system reliability
- 7. High security and reliability in operation
- 8. High capacity of overload and efficiency
- 9. Robust construction having excellent short circuit and thermal withstand capabilities
- 10. EVERPOWER Transformers are more efficient by Reduced no-load losses and Reduced load losses

> Technical Data for 6.6kV ~ 36kV Class Single-Phase Pole-Mounted Distribution Transformer

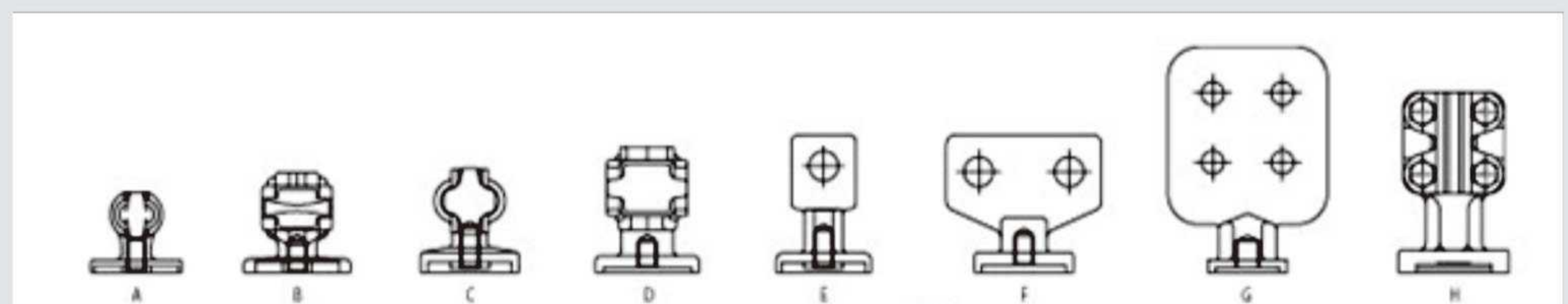
Type	Rating(kVA)	HV(V)	Tapping Range (%)	LV(V)	Loss(W)		Weight(kg)	
					No Load Loss	Full Load Loss	Oil Weight	Total Weight
10kVA	10	6 6.3 10 10.5 11	2 2 .5% or others	120 240 480 or 120-240 240-480 or others	55	260	40	150
20kVA	20				80	430	50	205
40kVA	40				125	775	55	270
63VA	63				180	1135	80	340
80VA	80				200	1400	100	420
100kVA	100				240	1650	100	490
125kVA	125				285	1950	110	560
160kVA	160				365	2365	130	650

Note: For special requirements and technical problems please contact the company's technology department.

> Low voltage bushing

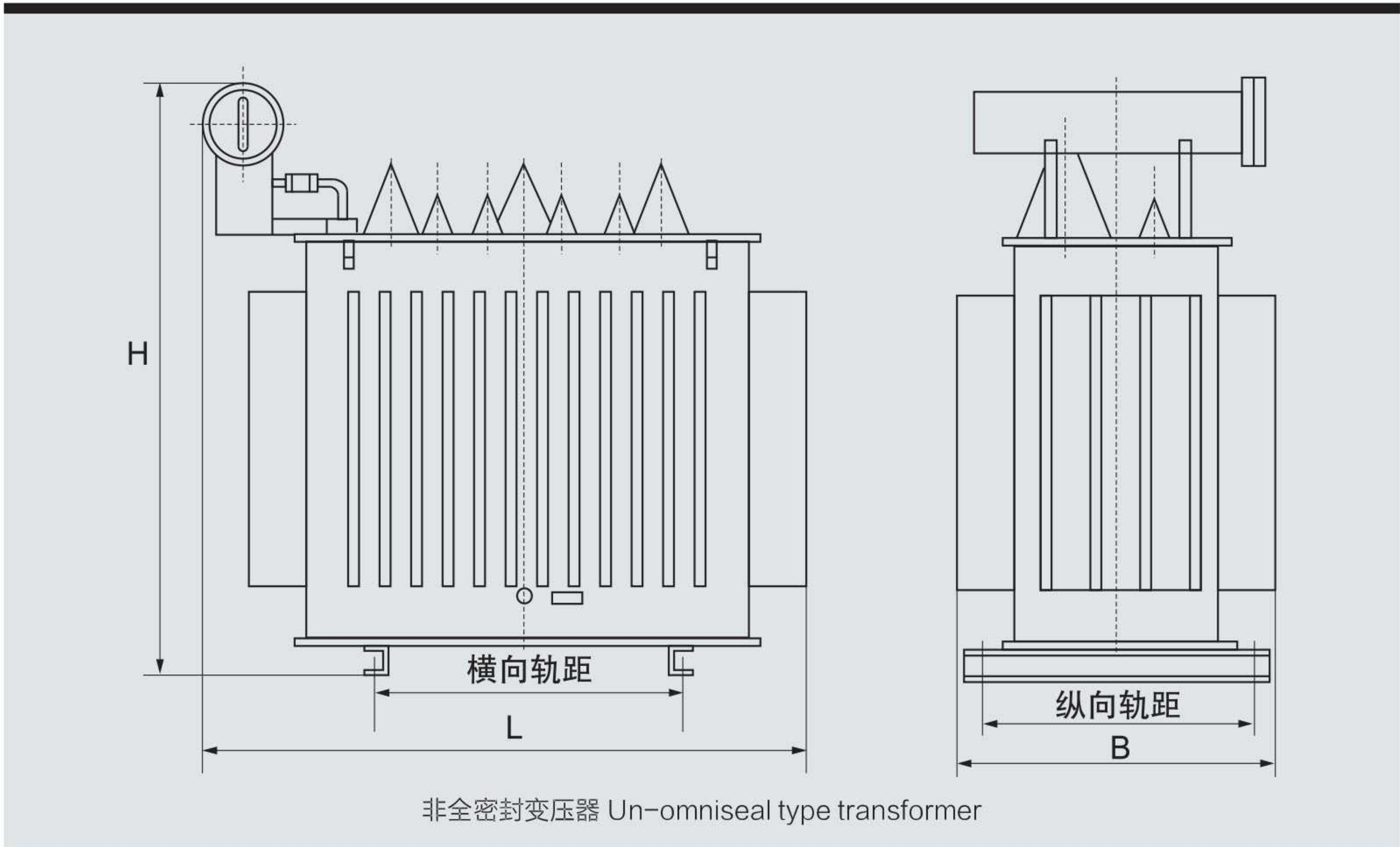


> High voltage bushing



Note: For special requirements and technical problems please contact the company's technology department.

> Transformer special service conditions



> Tech data of 11kV S9、S9-M series distribution transformer

rated capacity (kVA)	Voltage group		connection method	impedance voltage	Loss		no-load current (%)	weight(kg)			(L B H)(mm) outline dimension	gauge vertical/ horizontal
	High- voltage	Low- voltage			no- load	load		omachine weight	oil weight	gross weight		
5	15	0.4	Yyno	4	0.07	0.35	4	50	45	145	550 4 50 8 00	400/350
10					0.09	0.40	3.5	70	55	185	550 4 50 8 00	400/350
20					0.11	0.52	3.0	110	60	235	660 5 05 8 50	400/350
30					0.13	0.63	2.3	130	65	265	660 5 30 8 70	450/340
50					0.17	0.91	2.0	195	80	365	740 6 00 9 30	450/380
63					0.20	1.09	1.9	230	80	400	720 6 20 1 00	450/380
80					0.25	1.31	1.9	260	95	460	770 6 40 1 030	450/430
100					0.29	1.58	1.8	300	95	510	820 7 10 9 70	550/450
125					0.34	1.89	1.7	335	115	585	1040 6 80 1 080	550/470
160					0.40	2.31	1.6	405	130	685	1090 6 70 1 130	550/520
200	10.5	0.69	Dyn11	4	0.48	2.73	1.5	490	150	810	1160 7 60 1 090	550/520
250	0.56				3.2	1.4	565	170	935	1215 7 75 1 180	650/550	
315	0.67				3.83	1.4	655	200	1095	1345 8 90 1 205	650/550	
400	0.80				4.52	1.3	840	250	1385	1450 9 35 1 240	650/550	
500	0.96				5.41	1.2	935	235	1505	1410 9 70 1 290	750/600	
630	4.5				1.20	6.2	1.1	1100	330	1830	1595 1 040 1 315	850/660
800					1.40	7.5	1.0	1360	370	2225	1765 1 170 1 350	850/660
1000					1.70	10.3	1.0	1455	475	2555	1855 1 255 1 490	850/660
1250					1.95	12.0	0.9	1715	545	3140	1885 1 270 1 590	850/660
1600					2.40	14.5	0.8	2095	630	3680	1950 1 620 2 020	850/700
2000		2.80	19.8	0.8	2340	715	4190	2060 1 740 2 050	820/820			
2500		3.30	23.0	0.7	2920	830	5100	2250 1 800 2 100	1070/1070			

Nonte: tapping range of high-voltage: 5%, 2 2.5%; frequency: 50Hz;

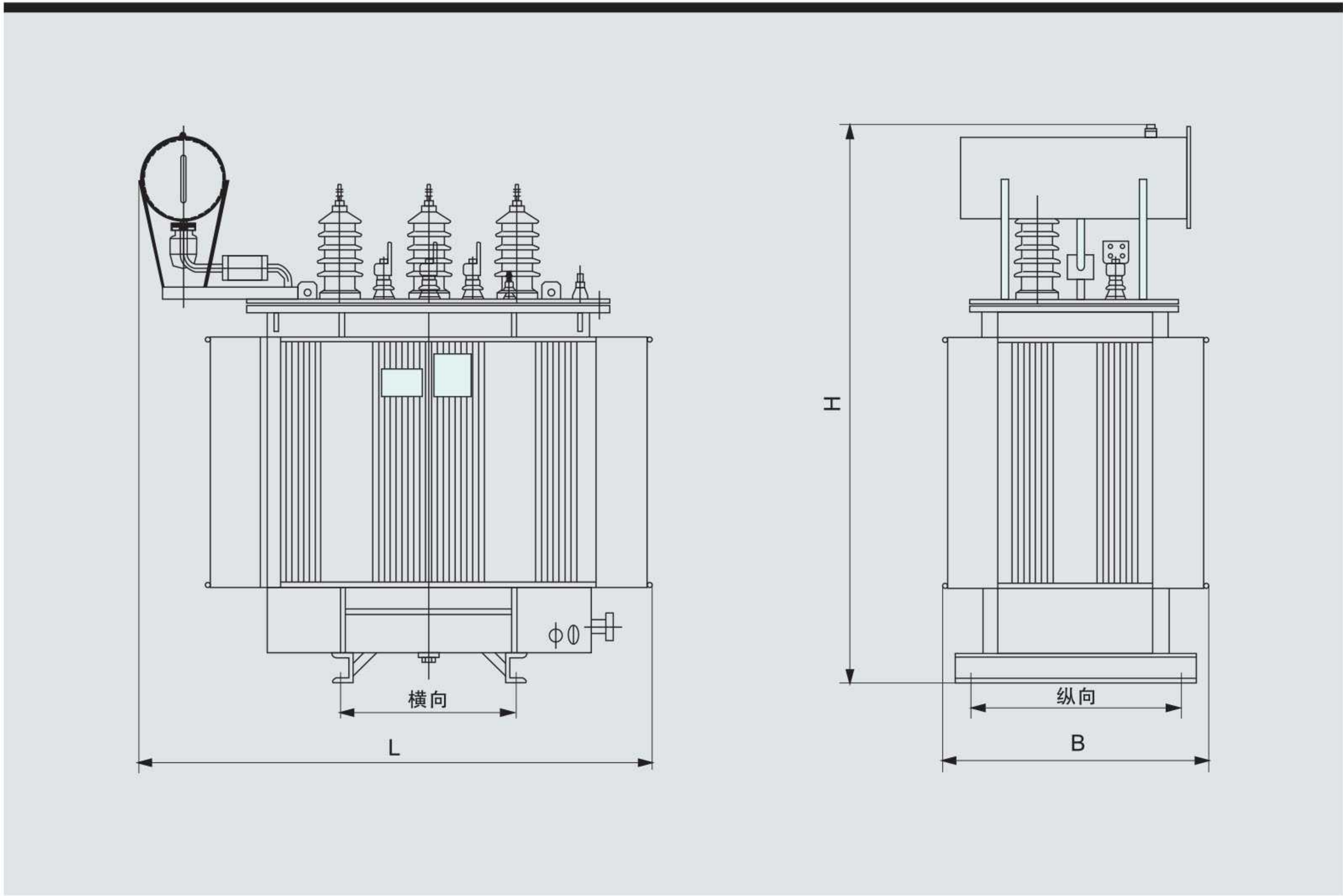
> Tech data of 11kV S11、S11M series distribution transformer

rated capacity (kVA)	Voltage group		connection method	impedance voltage	Loss		no-load current (%)	weight(kg)			(L B H)(mm) outline dimension	gauge vertical/ horizontal
	High- voltage	Low- voltage			no- load	load		omachine weight	oil weight	gross weight		
10	15	0.4	Yyno	4	0.065	0.4	3.5	90	55	220	650 4 50 8 80	400/350
20					0.08	0.52	3.0	140	60	270	720 4 90 9 50	400/350
30					0.1	0.63	2.3	185	70	330	750 4 90 9 70	450/340
50					0.13	0.91	2.0	260	80	430	770 5 50 1 030	450/380
63					0.15	1.09	1.9	260	85	440	800 6 00 1 040	450/380
80					0.18	1.31	1.9	320	95	520	790 6 00 1 070	450/430
100					0.2	1.58	1.8	355	100	570	830 6 40 1 050	550/450
125					0.24	1.89	1.7	425	115	675	1070 7 00 1 150	550/470
160					0.28	2.31	1.6	510	130	790	1120 7 00 1 220	550/520
200					0.34	2.73	1.5	550	145	850	1080 6 90 1 160	550/520
250					0.4	3.2	1.4	630	165	985	1160 7 40 1 190	650/550
315					0.48	3.83	1.4	755	190	1155	1230 8 00 1 240	650/550
400					0.57	4.52	1.3	910	225	1405	1310 8 60 1 250	650/550
500					0.68	5.41	1.2	1050	240	1600	1370 8 90 1 350	750/600
630					6	0.69	Dyn11	4.5	0.81	6.2	1.1	1250
800	0.96	7.5	1.0	1540					365	2350	1640 1 060 1 500	850/660
1000	1.15	10.3	1.0	1690					405	2645	1720 1 160 1 540	850/660
1250	1.36	12.0	0.9	1965					560	3230	1790 1 190 1 740	850/660
1600	1.64	14.5	0.8	2355					650	3805	1830 1 210 1 850	850/700
2000	1.96	19.8	0.8	2570					615	4245	2190 1 900 1 950	820/820
2500	2.31	23.0	0.7	3130					810	5280	2180 1 940 2 250	1070/1070

Nonte: tapping range of high-voltage: 5%, 2 2.5%; freduency: 50Hz;



> Transformer special service conditions



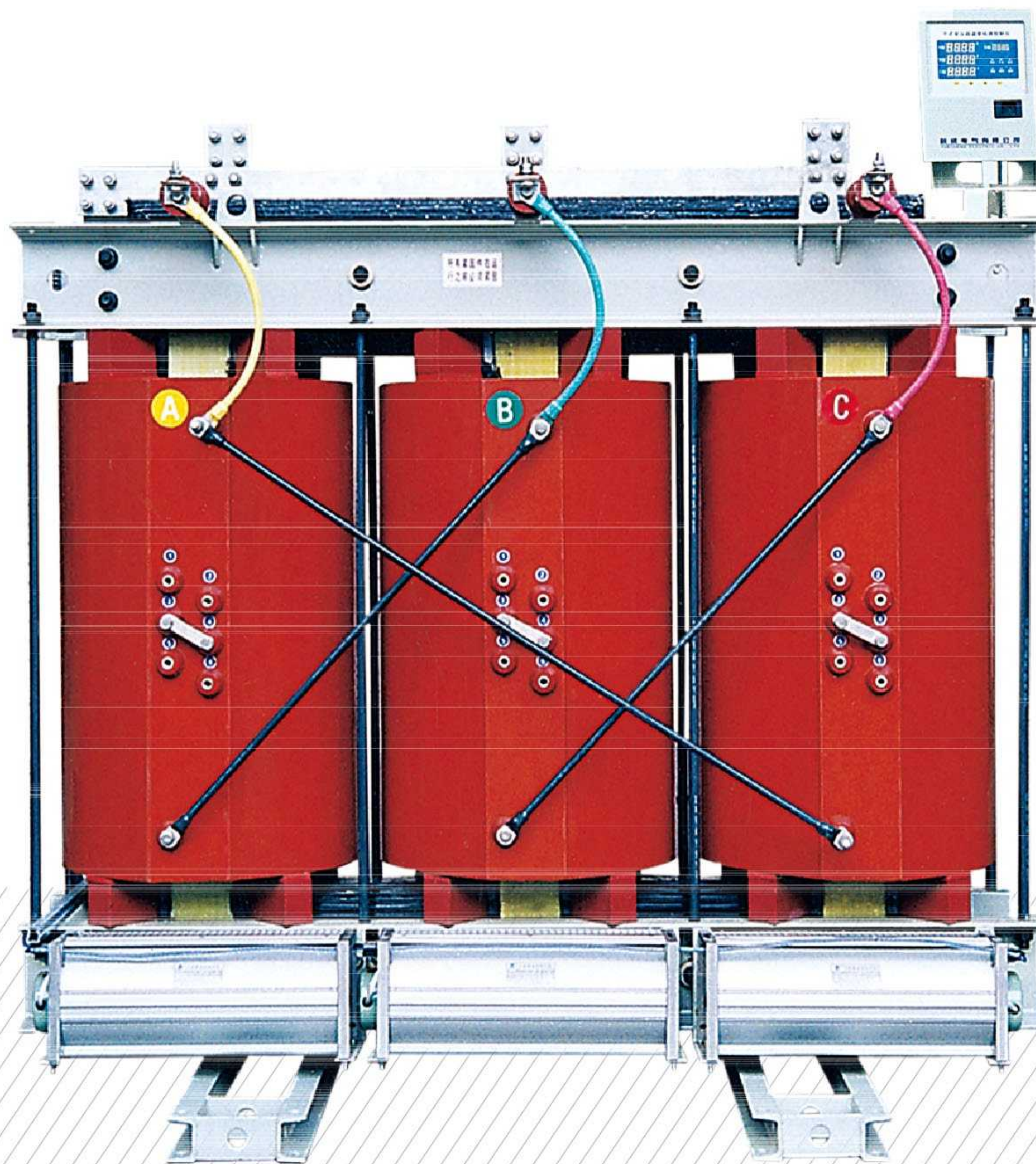
> Tech data of 33kV S9 series distribution transformer

rated capacity (kVA)	Voltage group		connection method	impedance voltage	Loss		no-load current (%)	weight(kg)			(L B H)(mm) outline dimension	gauge vertical/horizontal
	High-voltage	Low-voltage			no-load	load		omachine weight	oil weight	gross weight		
50	38.5	0.4	Yyno Dyn11	6.5	0.21	1.27	2.0	195	205	590	1000 9 50 1 450	550/550
100					0.29	2.12	1.8	320	240	790	1080 1 000 1 600	550/550
125					0.34	2.5	1.7	395	270	950	1100 1 030 1 630	660/660
160					0.36	2.97	1.6	460	285	1020	1130 1 060 1 630	660/660
200					0.43	3.5	1.5	555	325	1170	1190 1 060 1 670	660/660
250					0.51	4.16	1.4	630	340	1340	1260 1 160 1 700	660/660
315					0.61	5.01	1.4	720	400	1530	1280 1 240 1 790	660/660
400					0.73	6.05	1.3	830	490	1780	1960 8 80 1 900	820/820
500					0.86	7.28	1.2	930	510	1960	2020 9 40 1 920	820/820
630					1.04	8.28	1.1	1085	600	2290	2070 1 010 2 010	820/820
800					1.23	9.9	1.0	1270	660	2640	2240 1 040 2 150	820/820
1000					1.44	12.15	1.0	1495	735	3100	2300 1 200 2 150	820/820
1250					1.76	14.67	0.9	1775	830	3630	2450 1 280 2 250	1070/1070
1600					2.12	17.55	0.8	2140	935	4235	2220 1 510 2 350	1070/1070
2000					2.61	21.5	0.8	2535	1035	4910	2310 1 740 2 440	1070/1070
2500					3.15	23.0	0.8	3140	1190	5840	2370 1 840 2 490	1070/1070

Note:it can supply voltage regulating range of 5% or 2*2.5 % for high-voltage of transformer

DRY TYPE TRANSFORMER

> *Infinite Technology*
Perfect Motivity



> Features of Products

With the advanced technology brought in from overseas , we developed SC9, SCB9 series and SC10, SCB10 series padding thin-insulation dry-type distributing transformer whose winding is sealed up with epoxy, therefore the resin insulating dry-type transformer is flame-retardant, explosion-proof, free from maintenance and pollution, and it is compacted and can go deep into load center. Besides, with scientific and reasonable design and coating craftwork, it has advantages of low partial discharge capacity, low noise, good heat dispersion and it can run over a long time with 40% rated load in the circumstance of cold wind. It applies intelligent thermal controller and has the functions that it will alarm when there is fault or the temperature is exceeded and switch off as well as the function of "black box". It can be monitored and controlled by connecting it to the computer through its RS485 serial interface.

Therefore, it is widely used in the places such as hotel, restaurant, airport, power plant, hospital, skyscraper, shopping center, and residential areas and other adverse environments like subways, smelt and power plant, ship, offshore drilling platform, etc.

> Core

The iron core adopts imported high-quality cold-rolled silicon-steel plate a three steps fully-inclined echelon joint form. The colligation of the core adopts the F grade non-latitude belt and its winding enveloped by epoxy resin cast. The non-load loss and non-load current. core noise are reduced. The outlook of the product is improved by special treatment of the surface of fasteners and clamp pieces

> High-voltage winding

High-voltage winding applies vacuum pouring of padding epoxy resin which, at high level, reduces partial discharge capacity and elevates the electric strength of coils. The inside and outside of the winding is buildup with glass fiber grid overlay which strengthens the mechanical robustness and improves the resistance of short-circuits and ensures the coils will never crack.

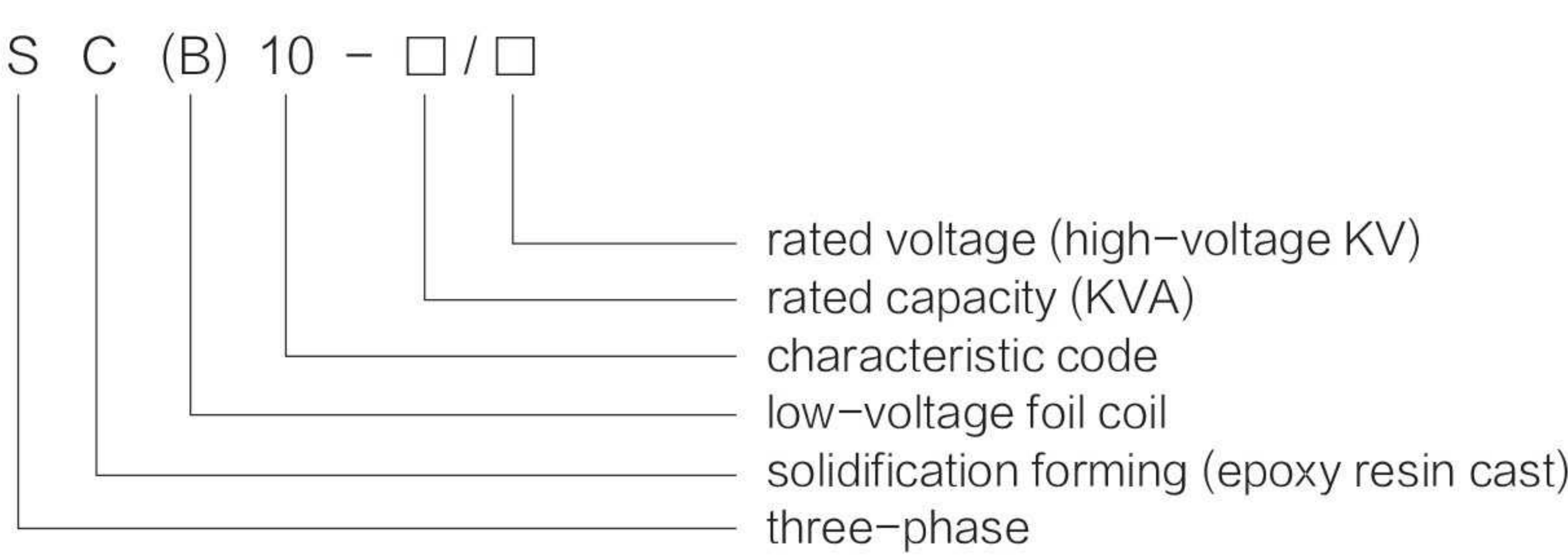
> Low-voltage winding

Low-voltage winding applies the structure that winded by copper foil which solves the problem that the axle would point to the helix angle when winds and make the ampere-turn of winding distribute evenly. Meanwhile, the coils applies axial fan which improves the heat dispersion. Between the layers of winding, it applies DMD epoxy resin preliminary dip cloth and makes it whole solidification forming.

> Production technology

The coil can be wound on the high-accuracy winding machine, the low-winding adoption the structure that the winding by copper foil. Firstly, to cast glass fiber around the external and internal of the windings, there designed to be armed air passage for transformer of large capacity. Afterward, to vacuum dry it. The whole casting and solidifying process completely to carry on an operation according to the craft request and see a circumstance to carry on adjustment. The precise process ensures free bubble and free hole of winding. make the transformer for making into attain superior quality circulate result.

> Transformer Type Meaning



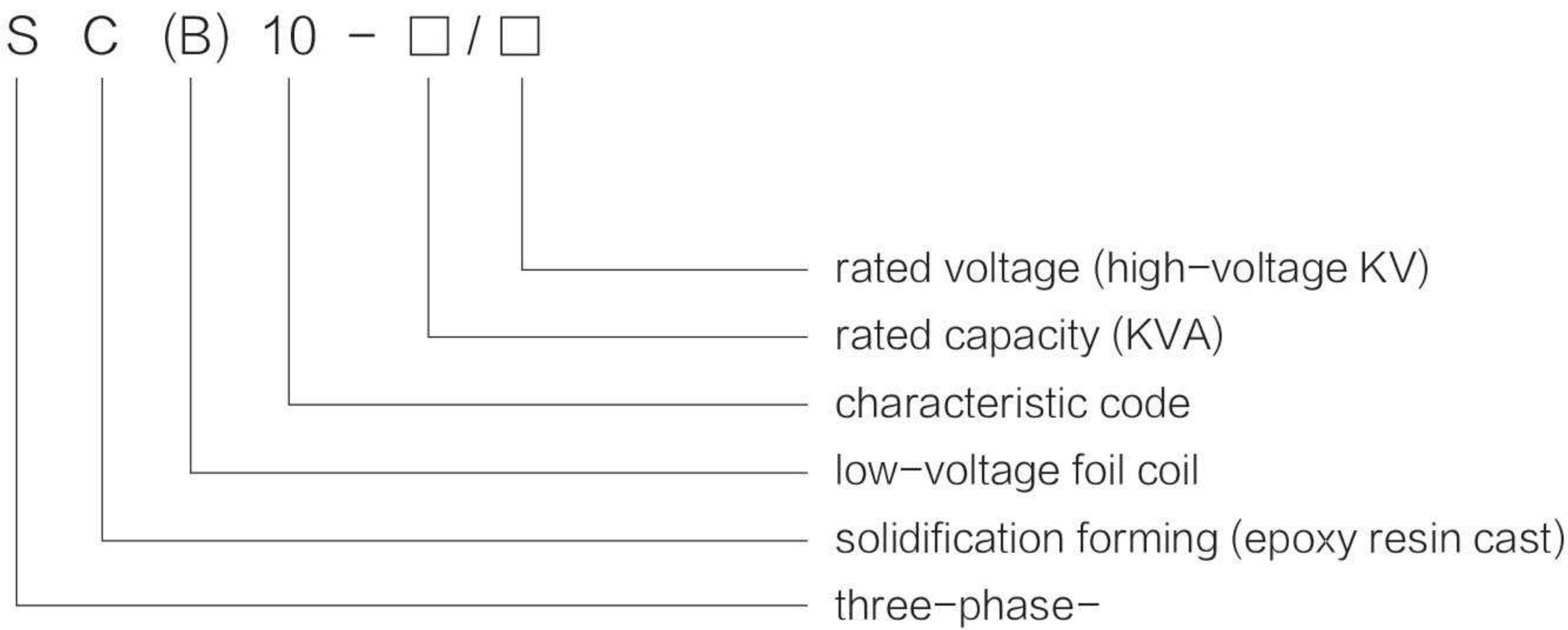
> Proudct standard

GB/T10228-2015 GB6450-1986 JB/T10088-2016 GB4208-2017
Rated high-voltage: 10(11, 10.5, 6.6, 6.3, 6)kV
Rated low-voltage: 0.4kV
Connection group: Dyn11, Yyn0
Tapping range of high-voltage: 5%, 2 2.5%
Insulating level: LI 75AC35/LI 0AC5
Frequency: 50Hz

> Tech data of 11KV SC(B)10 series resin insulation dry-type power transformer

rated capacity (kVA)	Voltage group (kV)	connection mefhod	impedance voltage	Loss		no-load current (%)	insulating level	weight(kg)
				no-load	load			
10	High pressure 11	Dyn11 or Yun0	4	0.135	0.305	4.0	F/F	130
20				0.170	0.595	3.5		170
30				0.195	0.705	2.6		330
50				0.270	0.995	2.2		380
63				0.330	1.210	2.2		440
80				0.370	1.380	2.2		510
100				0.400	1.570	2.0		590
125				0.470	1.850	1.8		650
160				0.545	2.130	1.8		780
200				0.625	2.530	1.6		930
250				0.720	2.760	1.6		1040
315				0.880	3.470	1.4		1180
400				0.975	3.990	1.4		1450
500				1.160	4.880	1.4		1630
630				1.345	5.870	1.2		1900
630	Low pressure 0.4		6	1.300	5.960	1.2		1900
800				1.520	6.955	1.2		2290
1000				1.770	8.130	1.1		2700
1250				2.090	9.690	1.1		3130
1600				2.450	11.73	1.1		3740
2000				3.320	14.45	1.0		4150
2500				4.000	17.17	1.0		4810
3150				5.140	22.50	0.8		5800
4000			8	5.960	27.00	0.8		7100

> Transformer Type Meaning



> Prouduct standard

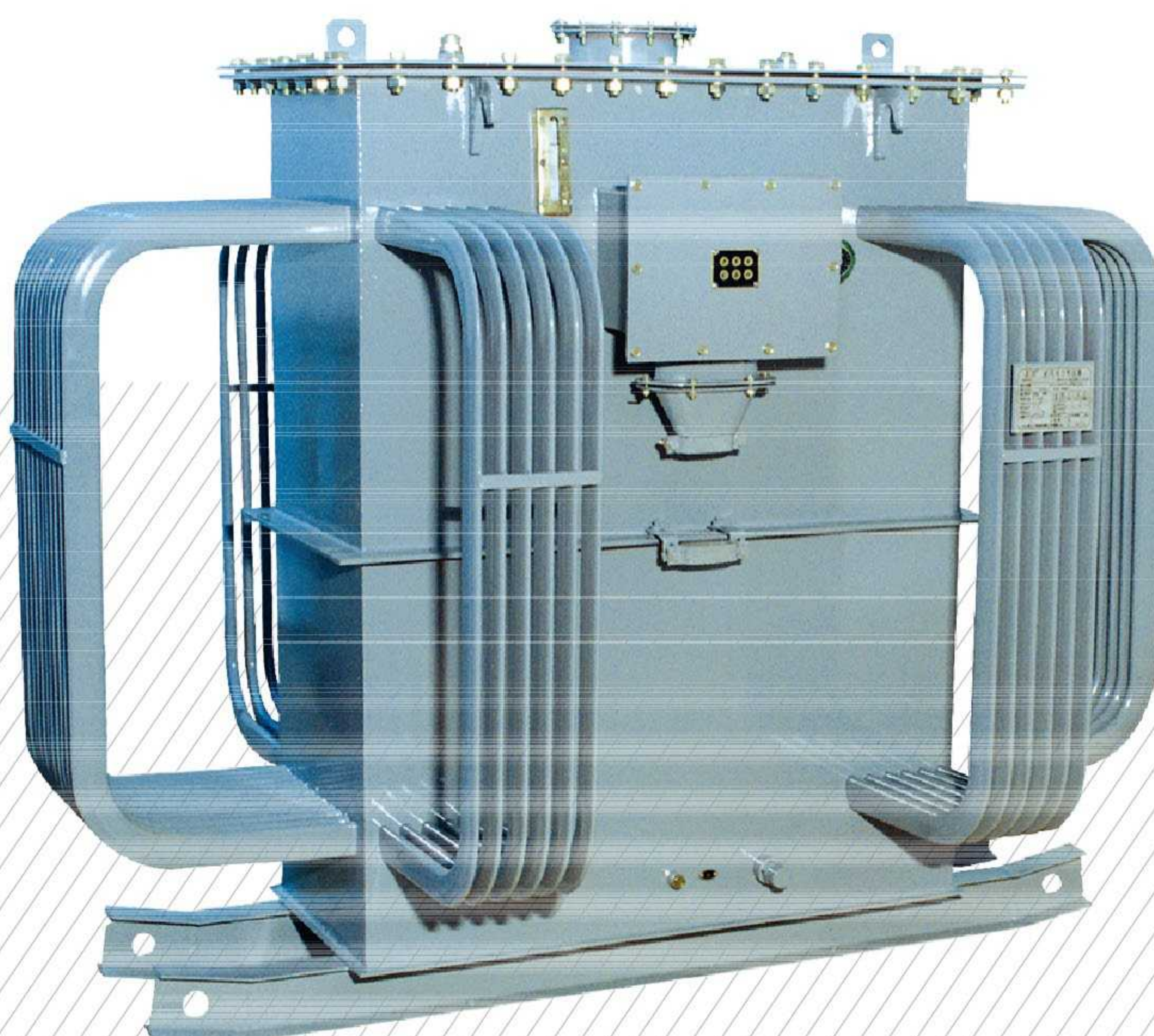
GB/T10228-2015 GB6450-1986 JB/T10088-2016 GB4208-2017
Rated high-voltage: 35(30- 38.5)kV
Rated low-voltage: 0.4kV
Connection group: Dyn11 or Yyn0
Tapping range of high-voltage: 5% or 2 2.5%
Insulating level: LI 170AC70/LI 0AC3
Frequency: 50Hz

> Tech data of 33kV SC(B)10 series resin insulation dry-type power transformer

rated capacity (kVA)	Voltage group (kV)	Connection method	dissipation (kW)		no-load current (%)	Impedance voltage (%)	Insulating level	weight (kg)
			no-load	(120℃) load				
50	High pressure 35-38.5 Low pressure 0.4	Dyn11 or Yyn0	0.500	1.500	2.8	6	F/F	610
100			0.700	2.200	2.4			915
160			0.880	2.960	1.8			1200
200			0.980	3.500	1.8			1400
250			1.100	4.000	1.6			1600
315			1.310	4.750	1.6			1800
400			1.530	5.700	1.4			2200
500			1.800	7.000	1.4			2500
630			2.070	8.100	1.2			2900
800			2.400	9.600	1.2			3500
1000			2.700	11.00	1.0			4200
1250			3.150	13.40	0.9			4900
1600			3.600	16.30	0.9			5800
2000			4.250	19.20	0.9			6600
2500			4.950	23.00	0.9			7500

MINING THREE-PHASE OIL-IMMERSED DISTRIBUTION TRANSFORMER

> *Infinite Technology*
Perfect Motivity



> Features of Products

As one kind of distributing transformer for mining use. KS9 series transformer has many advantages, such as compacted body, reasonable structure, LOW in spoilage, good in heat-dispersion and, easy to go into a well.

This series of product adopt high-permeance cold-rolled grain-oriented silicon-steel plate of high-quality. The iron core applies echelon form iterative accumulation. The core pole which is multilevel circular cross-section can ensure of low noise and low spoilage. The structure of gasoline tank is very firm. Both side of tank are welded with cable lunction boxes of high and low voltage which are used for wiring. High-voltage loops need tapping voltage that is 15% of rated voltage. It is using the tap switch to change the voltage. When the voltage exchanges, the power must be cut off fist, then unveil the wind-rain cover on the tap switch to counterchange the voltage. The low voltage side of the transformer can be connect the type 'Y' of 693V or the type "D" of 400V to supply power. And inside the cable lunction box has a secondary terminal which educes six insulators for users' option. The joint hinges that welded on the casing are available and drawing crow-plate is mounted beneath the base. There are mounting holes in the drawing crow-plate used for being addly-installed with mine-car' contact roller whenmine needing.

> Practicable Confiners

The oil-immersed distributing transformer is applied to the capacity 630KVA or below, and the voltage 10KV or below. This product is normal one which has no requirement of explosion-proof. The main function of the product is for mine illumination when distributing power for mining as well as for the driving power. This series of transformers will not need lift-machine examination after transportation. It is allowed to assemble the unshipped spare pads for checking and acceptance.

> Comply Standards

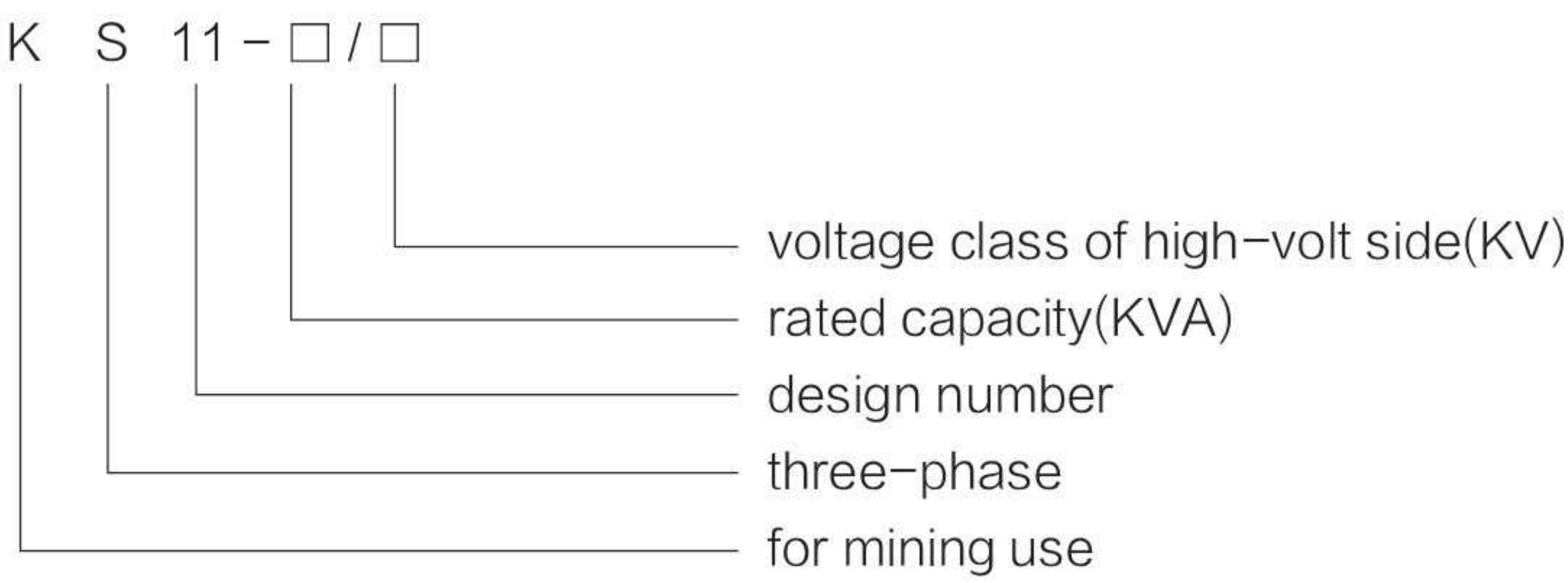
Standards for this series of product:

GB1094.1~2-2005、GB1094.3,5-2005、GB/T6451-2015、GB/T12173-2008.

> Using environment and working condition

- 1、The installment highly does not surpass elevation 1000m, the special environment gives the explanation in addition
- 2、Amblent temperature:
Highest air temperature+40℃;
Highest daily average air temperature+25℃;
Highest annual average air temperature+20℃;
Lowest outdoor air temperature-20℃.
- 3、The surrounding air relative humidity is not bigger than 95%(+25℃ when)
- 4、Installs under the mine pit although has the coal dust, the gas, but non-explosion hazard plare;
- 5、The supply voltage profile is approximate to the sine wave;

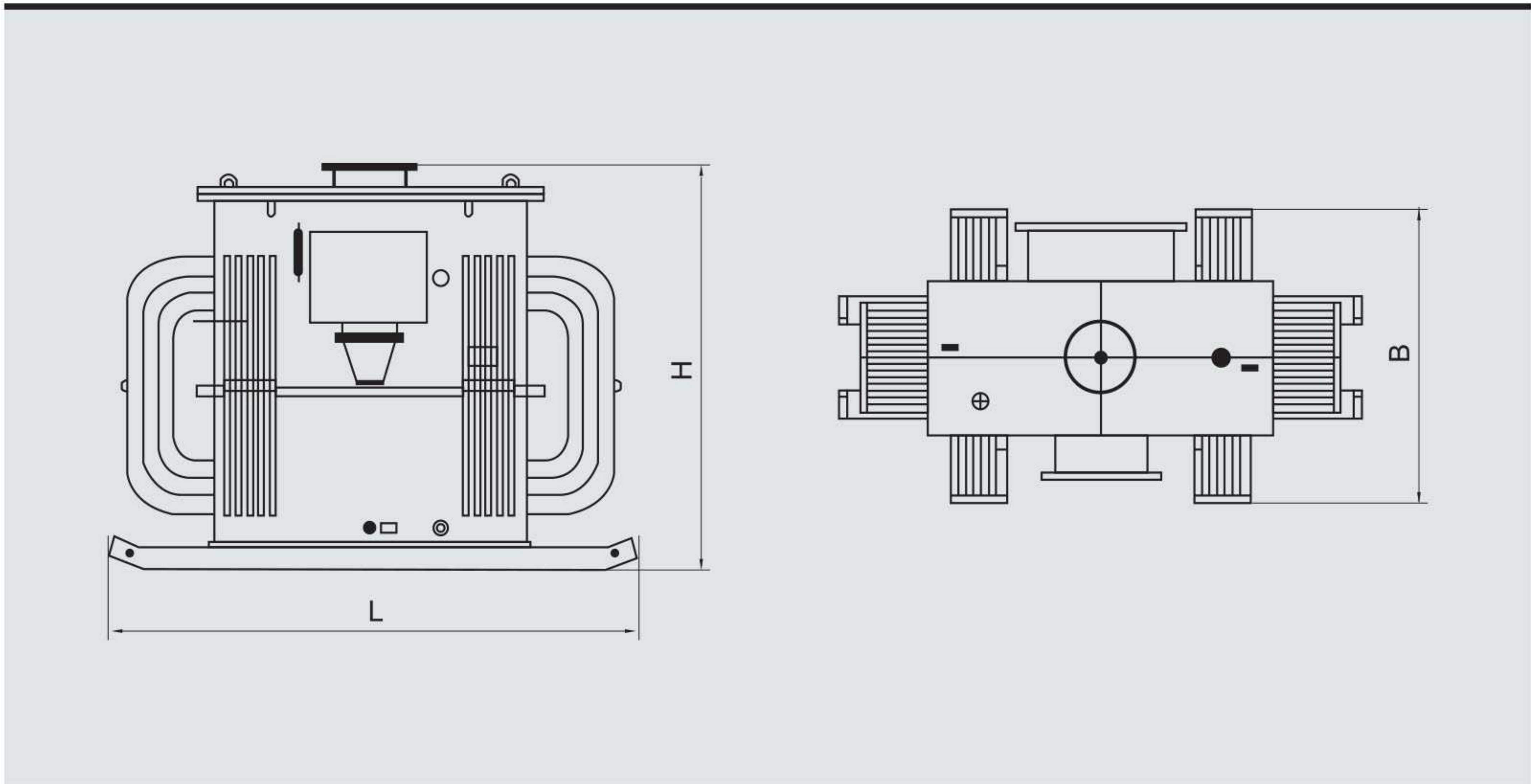
> Transformer Type Meaning



> KS11 series oil immersed mining transformer

rated capacity (kVA)	Voltage group (kV)	connection method	impedance voltage	Loss (kW)		no-load current (%)	weight (kg)			(L B H) outline dimension (mm)
				no-load	load		omachine weight	oil weight	gross weight	
50	High pressure	Yyo- d11	4	0.13	0.87	2.0	242	84	410	1200 9 50 9 00
80				0.19	1.25	1.8	326	105	557	1300 9 50 9 50
100				0.22	1.50	1.6	378	116	630	1300 9 50 1 000
125				0.26	1.80	1.5	446	126	725	1300 9 50 1 000
160	10			0.3	2.20	1.4	504	147	851	1350 9 50 1 040
200	6			0.37	2.60	1.3	609	179	1003	1400 9 70 1 080
250	Low pressure			0.43	3.05	1.2	704	189	1155	1450 1 000 1 100
315				0.52	3.65	1.1	814	252	1370	1500 1 000 1 150
400				0.62	4.30	1.0	987	294	1649	1600 1 050 1 150
500				0.74	5.10	1.0	1213	315	1880	1650 1 050 1 200
630			4.5	0.92	6.20	0.9	1376	362	2258	1650 1 120 1 220

> Transformer special service conditions



MINING EXPLOSION ISOLATION DRY TRANSFORMER

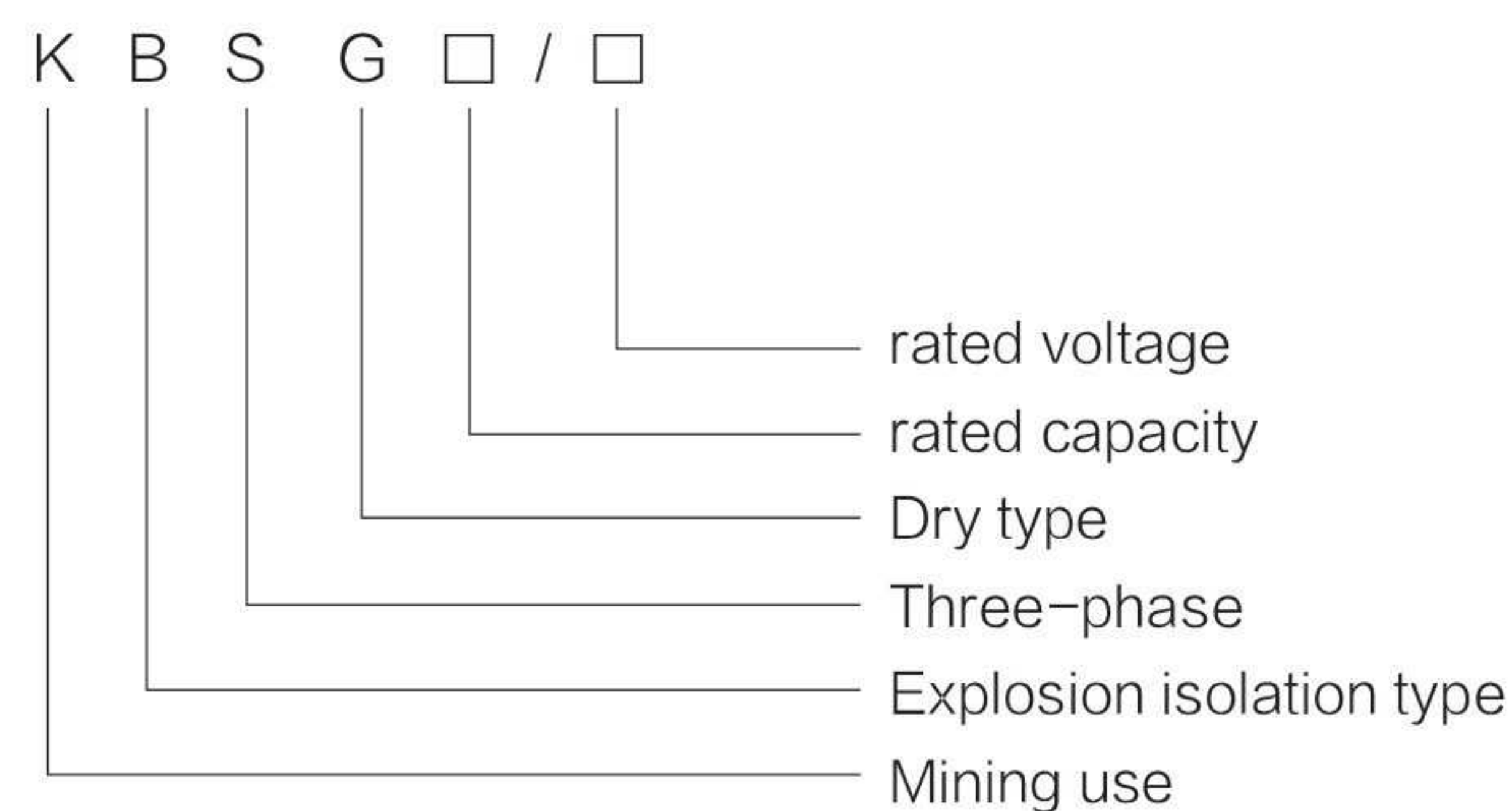
> *Infinite Technology*
Perfect Motivity



> Features of Products

The KBSG series mining explosion isolation dry transformer conforms to new GB 8286, mineral product separates explode migration transformer substation requests. Insulating the material adopts C class or H class to insulate, hot stability good, cooling offway a doption ANAN, be applicable to there are air and coal dust of the methane mixture, and there is the mineral well, mineral mountain, tunnel of explosion danger etc. environment, also be app licable to shortage with air and steam environment which decays metals and breakage to insulate. Settle the frequency as 50 Hz. a primary voltage is 6 kV or 10 kV, and neutergender not to connect ground for the power system, for use various motive equipments in the environment with various use electricity device to provide power supply.

> Transformer Type Meaning



> Using environment and working condition

- 1、The installment highly does not surpass elevation 1000m, the special environment gives the explanation in addition
 - 2、Ambient temperature:
 - Highest air temperature+40℃;
 - Highest daily average air temperature+30℃;
 - Highest annual average air temperature+20℃;
 - Lowest outdoor air temperature-5℃.
 - 3、The surrounding air relative humidity is not bigger than 95%(+25℃ when)
 - 4、In has the methane and the coal dust, also has the explosion hazard in the mine pit;
 - 5、Does not have, the vibration as well as with the gradient does not surpass in 15 environment
 - 6、Does not have sufficiently the dipping and the insulation gas and the steam;
 - 7、No-water drop place;
 - 8、The supply voltage profile is approximate to the sine wave;
 - 9、The three-phase supply voltage approximate is symmetrical;
- (When extracts this condition stipulation, separate consultation)

> Proudect standard

GB 8286-2017 GB3836-2017
GB/T10228-2015 GB1094.11-2007

> Tech deata of 6kV KBSG series dry type mining explosion isolation
dry type transformer

rated capacity (kVA)	Voltage group (kV)	connection mefhod	impedance voltage	Loss (kW)		no-load current (%)	(L B H) outline dimension (mm)	weight (kg)	gauge (mm)
				no- load	load				
50	High pressure (6~6.3 5 %); Low pressure 0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11)	4	350	550	2.5	2225 9 50 1 160	1350	600
100			4	520	920	2.5	2500 9 50 1 430	1600	
200			4	820	1550	2	2640 9 50 1 445	2050	
250			4	950	1800	2	2750 9 65 1 530	2300	
315			4	1100	2150	1.8	2830 9 75 1 540	2500	
400			4	1300	2600	1.8	2830 9 95 1 550	2650	
500		Yy0 (d11) Dyn11	4	1500	3100	1.5	2850 1 050 1 570	3100	600 900
630			4	1800	3680	1.5	3020 1 080 1 450	4310	
800			4	2050	4500	1.0	3020 1 080 1 510	4650	
1000			4	2350	5400	1.0	3030 1 130 1 540	5150	
1250			4	2750	6500	1.0	3120 1 160 1 610	5900	
1600			4	3350	8000	0.8	3120 1 200 1 750	7250	
2000			4.5	3800	9500	0.6	3225 1 220 1 790	10820	
2500			5	4500	10600	0.6	3580 1 230 1 850	13850	
3150			5.5	5300	12500	0.6	3820 1 260 1 890	18250	
4000			6	6100	14000	0.6	3930 1 400 1 920	20810	

> Tech deata of 11kV KBSG series dry type mining explosion
isolation dry type transformer

rated capacity (kVA)	Voltage group (kV)	connection method	impedance voltage	Loss (kW)		no-load current (%)	(L B H) outline dimension (mm)	weight (kg)	gauge (mm)
				no- load	load				
50	High pressure (10~11 5 %); Low pressure 0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11)	4	390	680	2.5	2310 9 50 1 295	1400	600
100			4	560	1050	2.5	2430 9 50 1 430	1800	
200			4	950	1800	2	2730 9 50 1 525	2200	
250			4	1100	2100	2	2760 9 50 1 540	2500	
315			4	1300	2500	1.8	2800 9 80 1 555	2800	
400			4	1500	3000	1.8	2950 1 050 1 610	3000	
500		Yy0 (d11) Dyn11	4	1750	3500	1.5	2950 1 050 1 610	3300	600 900
630			4	2000	4100	1.5	3200 1 080 1 450	4400	
800			4	2300	5100	1.2	3200 1 080 1 600	4700	
1000			4.5	2600	6100	1.2	3200 1 110 1 675	5900	
1250			4.5	3100	7400	1.0	3250 1 125 1 740	6500	
1600			5	3800	8500	1.0	3450 1 245 1 830	8300	
2000			5	4500	9700	0.7	3665 1 250 1 900	10900	
2500			5.5	5200	10800	0.7	3780 1 390 1 900	13930	
3150			5.5	6100	12800	0.7	3880 1 390 1 900	18350	
4000			6	7000	15000	0.7	4210 1 450 1 900	20910	

Note: The above data provides a reference only, movable transformer substation the basis switch of the shape size of transformer substation is different

DRY TYPE MINING EXPLOSION ISOLATION MOVABLE TRANSFORMER SUBSTATION

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Perfect Motivity

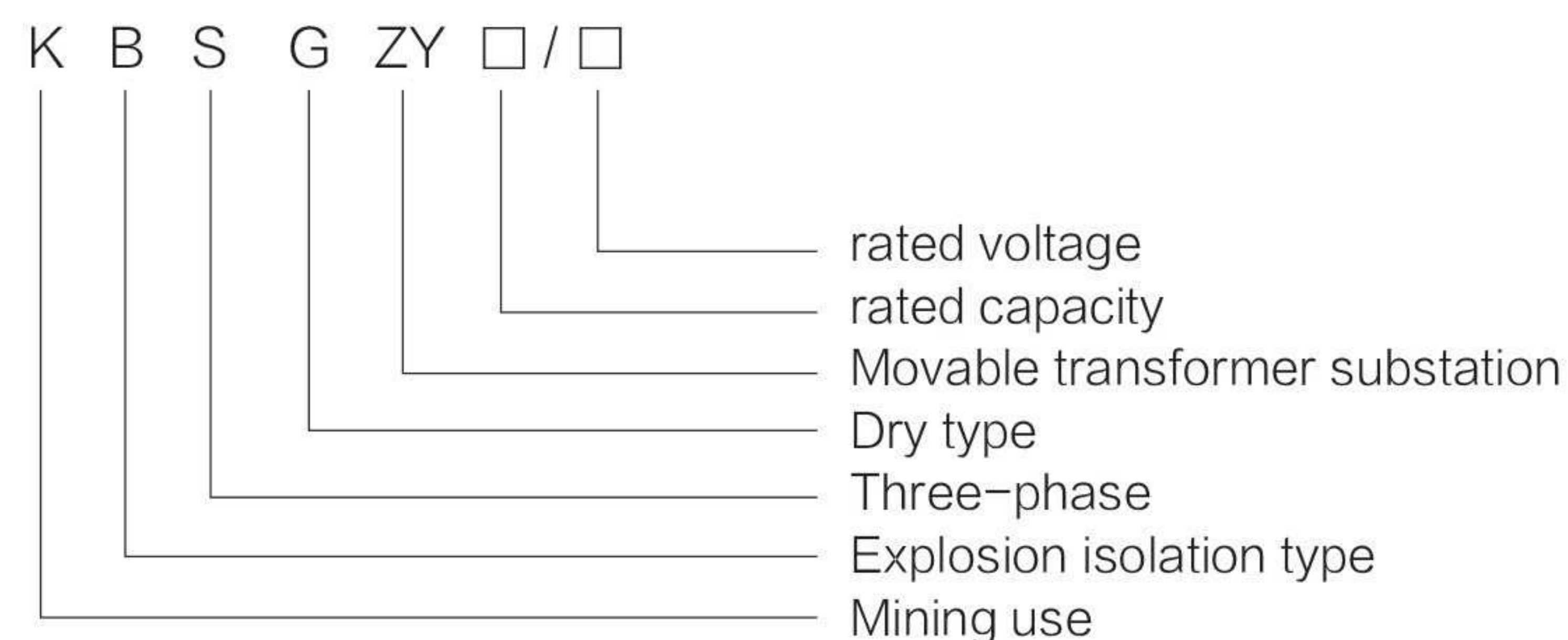


> Features of Products

The mineral product separates the explode migration transformer substation separates the explode migration transformer substation by the mineral product with the do-like transformer. The high-pressured load switch either the high pressure and the low pressure switch or the low pressure guarantees is composed.

KBSGZY series dry type mining explosion isolation movable transformer substation is a kind of movable whole set distribution and transformation device. It is suitable for not only mines filled with firedamp mixed gas, grime and explosive gas, but also the gas and steam environment that can not erode metal and insulation.

> Transformer Type Meaning



> Using environment and working condition

- 1、The installment highly does not surpass elevation 1000m, the special environment gives the explanation in addition.
 - 2、Ambient temperature:
 - Highest air temperature+40℃;
 - Highest daily average air temperature+30℃;
 - Highest annual average air temperature+20℃;
 - Lowest outdoor air temperature-5℃.
 - 3、The surrounding air relative humidity is not bigger than 95%(+25℃ when)
 - 4、In has the methane and the coal dust, also has the explosion hazard in the mine pit;
 - 5、Does not have, the vibration as well as with the gradient does not surpass in 15 environment
 - 6、Does not have sufficiently the dipping and the insulation gas and the steam;
 - 7、No-water drop place;
 - 8、The supply voltage profile is approximate to the sine wave;
 - 9、The three-phase supply voltage approximate is symmetrical;
- (When extracts this condition stipulation, separate consultation)

> Proudect standard

GB 8286-2017 GB3836-2017
GB/T10228-2015 GB1094.11-2007

> Tech data of 6kV KBSGZY series dry type mining explosion
isolation movable transformer substation

rated capacity (kVA)	Voltage group (kV)	connection methnod	impedance voltage	Loss (kW)		no-load current (%)	(L B H) outline dimension (mm)	weight (kg)	gauge (mm)
				no- load	load				
50	High pressure (6~6.3 5 %); Low pressure 0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11)	4	350	550	2.5	3290 9 50 1 160	2350	600
100			4	520	920	2.5	3580 9 50 1 430	2600	
200			4	820	1550	2	3710 9 50 1 445	3050	
250			4	950	1800	2	3820 9 65 1 530	3300	
315			4	1100	2150	1.8	3870 9 75 1 540	3500	600 900
400			4	1300	2600	1.8	3890 9 95 1 550	3600	
500			4	1500	3100	1.5	3910 1 050 1 570	4100	
630			4	1800	3680	1.5	4085 1 080 1 450	5360	
800		Yy0 (d11) Dyn11	4	2050	4500	1.0	4085 1 080 1 510	5680	
1000			4	2350	5400	1.0	4100 1 130 1 540	6500	
1250			4	2750	6500	1.0	4190 1 160 1 610	6700	
1600			4	3350	8000	0.8	4190 1 200 1 750	9230	
2000			4.5	3800	9500	0.6	4570 1 220 1 790	9930	
2500			5	4500	10600	0.6	4580 1 230 1 850	13830	
3150			5.5	5300	12500	0.6	4820 1 260 1 890	17250	
4000			6	6100	14000	0.6	4930 1 400 1 920	19810	

> Tech data of 11kV KBSGZY series dry type mining explosion
isolation movable transformer substation

rated capacity (kVA)	Voltage group (kV)	connection method	impedance voltage	Loss (kW)		no-load current (%)	(L B H) outline dimension (mm)	weight (kg)	gauge (mm)
				no- load	load				
50	High pressure (10~11 5 %); Low pressure 0.693/0.4 1.2/0.693 1.2 3.45	Yy0 (d11)	4	390	680	2.5	3200 9 50 1 295	2400	600
100			4	560	1050	2.5	3580 9 50 1 430	2800	
200			4	950	1800	2	3990 9 50 1 525	3200	
250			4	110	2100	2	4020 9 50 1 540	3500	
315			4	1300	2500	1.8	4050 9 80 1 555	3800	600 900
400			4	1500	3000	1.8	4200 1 050 1 610	4000	
500			4	1750	3500	1.5	4200 1 050 1 610	4300	
630			4	2000	4100	1.5	4370 1 080 1 450	5400	
800		Yy0 (d11) Dyn11	4	2300	5100	1.2	4370 1 080 1 600	5700	
1000			4.5	2600	6100	1.2	4400 1 110 1 675	6900	
1250			4.5	3100	7400	1.0	4480 1 125 1 740	7300	
1600			5	3800	8500	1.0	4640 1 245 1 830	9300	
2000			5	4500	9700	0.7	4665 1 250 1 900	11900	
2500			5.5	5200	10800	0.7	4870 1 390 1 900	14930	
3150			5.5	6100	12800	0.7	4880 1 390 1 900	19350	
4000			6	7000	15000	0.7	5210 1 450 1 900	21910	