



**新能效产品** New energy efficiency products – dry transformers

**SC(B)14/18 SERIES DRY THREE-PHASE ELECTRICAL STEEL STRIP POWER TRANSFORMER**

**01 Product introduction**

SC(B)14/18 new energy efficiency dry transformer adopts advanced manufacturing process and materials, with high efficiency, low noise, small size and other advantages, compared with the traditional oil-immersed transformer, the transformer structure and parameters have been optimized design, improve its performance indicators, reduce energy consumption, energy saving and environmental protection; No need to fill oil, to avoid the safety hazards caused by leakage, fire and other problems. At the same time, its high-quality insulation materials and reliable protection system also ensure the long-term stable operation of the equipment.

widely used in electric power, petrochemical, metallurgy, mining and other fields to meet the needs of different scenarios and contribute to the construction of green power system.

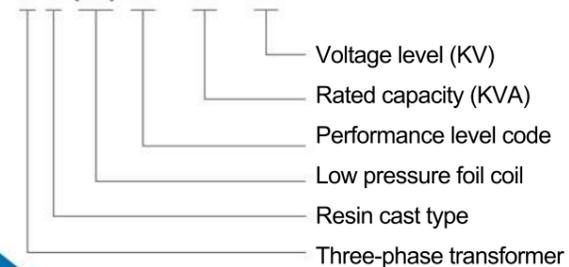


**Product performance advantages:**

- (1) High efficiency and energy saving: Better insulation performance and thermal stability, can effectively reduce energy consumption, improve utilization efficiency;
- (2) Environmental protection and safety: no need to fill oil, easy maintenance, reduce security risks; Compact size: Modular design, compact size, light weight, flexible and convenient installation.

**02 Type description**

SC(B)□ - □ / □



**03 Enforce standards**

- ◆ "Power Transformer Energy Efficiency Limits and Energy efficiency Grades" (GB20052-2020)
- ◆ "Dry Power Transformer" (IEC60076-11:2004)
- ◆ "Power Transformer" (GB10941-1996)
- ◆ Rated high voltage :10,6.3,6 kV
- ◆ Link group :Dyn11 or Yyn0
- ◆ Rated low voltage :0.4kV
- ◆ High pressure tap range :+5% or 2x2.5%
- ◆ Frequency :50HZ

**04 Scene application**

10 kV dry three-phase double-winding unexcited voltage regulation distribution transformer (electrical steel strip) technical parameters table

Rated capacity (KVA)	Voltage combination			Join group label	Class I energy efficiency SCB18		Secondary energy efficiency SCB14		Short-circuit resistance (%)
	High voltage (KV)	High pressure tap range (%)	Low voltage (KV)		No-load loss (w)	Load loss (w)(at 100°C)	No-load loss (w)	Load loss (w)(at 100°C)	
30	10	±5	0.4	Dyn11 或 Yyn0	105	605	130	605	4
50					155	845	185	845	4
80					210	1160	250	1160	4
100					230	1330	270	1330	4
125					270	1565	320	1565	4
160					310	1800	365	1800	4
200					360	2135	420	2135	4
250					415	2330	490	2330	4
315					510	2945	600	2945	4
400					570	3375	665	3375	4
500	6.3	±2×2.5	0.4	Dyn11 或 Yyn0	670	4130	790	4130	4
630					775	4975	910	4975	6
800					875	5895	1035	5895	6
1000					1020	6885	1205	6885	6
1250					1205	8190	1420	8190	6

Note: Due to the continuous development and upgrading of the product, the data provided in this table is for reference only; For more product information, please call for details.

**05 Scene application**



A large shopping mall basement power supply dry transformer installation



A large shopping mall basement power supply dry transformer installation

**常规产品** Conventional product – dry transformers

**[ 10KV CLASS SC(B) TYPE 13/12/11/10 DRY TRANSFORMER ]**

**01 Product introduction**

This series of epoxy resin cast dry type transformer material quality, scientific formula, using advanced production testing equipment according to strict technology production. The product has the characteristics of high reliability and long service life. According to the different use environment, different protection levels of the shell can be configured. Applicable to high-rise buildings, commercial centers, airports, tunnels, chemical plants, nuclear power plants, ships and other places.

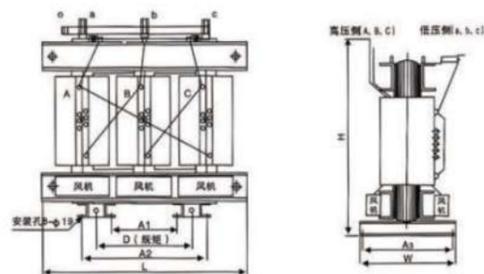


**Product performance advantages:**

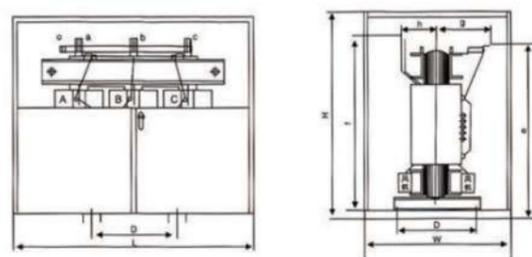
- (1) Low loss, low noise, low bureau, good moisture resistance;
- (2) High reliability, maintenance free;
- (3) The high pressure is a multi-layer segmented cylinder structure, and the low pressure is a foil structure with longitudinal airway;
- (4) flame retardant resin, curing molding; Multifunctional temperature protection control system: square tube clamp structure;
- (5) 3D simulation technology of temperature field and noise.

**02 Overall dimension**

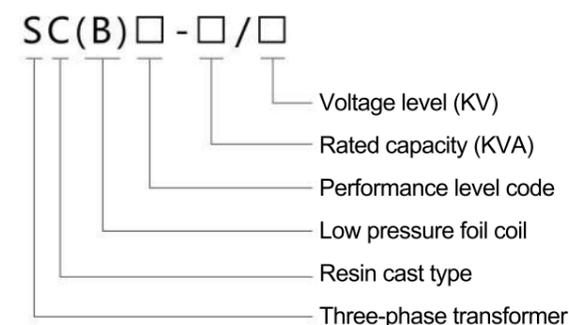
SC (B) □-□-□/10-0.4 Outline dimensional drawing



SC (B) □-□-□/10-0.4 Overall dimensions drawing (with case)



**03 Type description**



**04 Enforce standards**

- ◆ GB/T10228-1997 GB6450-1986
- ◆ JB/T10088-2004 GB4208-1993
- ◆ Rated voltage :10(11.10.5,6.6,6.3,6)kV
- ◆ Link group :Dyn11 or Yyn0
- ◆ Insulation level :LI75AC35/LI0AC5
- ◆ Rated low voltage :0.4kV
- ◆ High pressure tap range: 5% or 2x2.5%
- ◆ Frequency :50HZ

**05 Scene application**

10kV class SC(B)10/13 series resin insulated dry type transformer technical parameters

Rated capacity (KVA)	Voltage combination			Join group label	Class I energy efficiency SCB18		Secondary energy efficiency SCB14		Short-circuit resistance (%)
	High voltage (KV)	High pressure tap range (%)	Low voltage (KV)		No-load loss (w)	Load loss (w)(at 100°C)	No-load loss (w)	Load loss (w)(at 100°C)	
30	6	±5	0.4	Dyn11 或 Yyn0	135	640	190	710	4
50					195	900	270	1000	4
80					265	1240	370	1380	4
100					290	1415	400	1570	4
125					340	1655	470	1850	4
160					385	1915	540	2130	4
200					445	2275	620	2530	4
250					515	2485	720	2760	4
315					635	3125	880	3470	4
400					705	3590	980	3990	4
500	11	±2×2.5	0.4	Dyn11 或 Yyn0	835	4390	1160	4880	4
630					935	5290	1340	5960	6
800					1095	5400	1520	6960	6
1000					1275	6265	1770	8130	6
1250					1505	7315	2090	9690	6

Note: Due to the continuous development and upgrading of the product, the data provided in this table is for reference only; For more product information, please call for details.