SC(B)14 SERIES

Features

The new generation of energy-saving and environmentally friendly products features low loss, low partial discharge, low noise, and no pollution. While the length and width dimensions of the transformer remain basically unchanged, the height of the product is reduced to meet the special requirements of various occasions. The product has passed all the tests of the National Transformer Quality Supervision and Inspection Center and has been the first to obtain the "Green Choice" certificate from the Chinese Commodity Society.

Main Features

Low Magnetic Flux Density	The core is made of high quality highly permeable, cold rolled grain oriented silicon steel sheet with low magnetic flux density, far from its saturation point. The structure adopts pulling plate and alternating step-lap seam (Step-Lap) process to improve the product's no-load performance.
Low current density	The low voltage is generally copper foil type coil, the high voltage coil is made of H grade copper conductor, which has a temperature resistance of 180 °C, low current density and ensures a low temperature rise of the coil, which guarantees the overload capacity of the transformer;
Low-voltage foil-wound coils	Capacity 200kVA and above low-voltage and coil height of copper foil as a conductor, relative to the high-voltage coil of the balanced ampere-turn area can be free to match the low-voltage current density, improve the short-circuit resistance, for the safe operation of the transformer to provide a reliable guarantee.
High and low voltage insulating cylinders	After analyzing the electric field distribution, composite polyester insulating cylinders were added between the high and low voltage coils to strengthen the insulation protection between the high and low voltage coils;
Installation of cooling air ducts	According to the temperature rise design calculation, set up the cooling air channel to ensure the heat dissipation performance of the coil, eliminate local overheating point and strong overload capacity;
Low voltage between layers	The design and development of the coil structure is reasonable, with low voltage between layers and high longitudinal capacitance to improve the transformer's resistance to lightning strikes.

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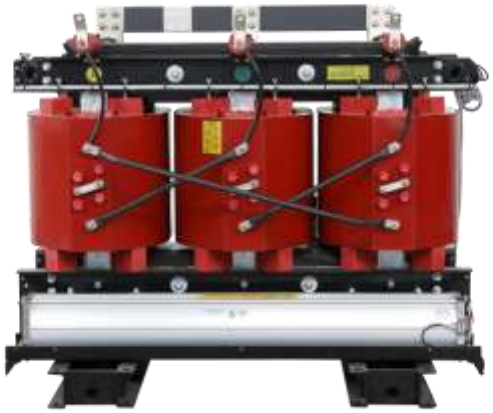

Model Identification

S C (B) * - XXXX /**

- Rated High Voltage (kV)
- Rated Capacity (kVA)
- Performance Level Code
- Low-Voltage Foil Winding
- Epoxy Resin Casting Molded
- Three-Phase

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Performance

MODEL	P0	Pk	I0	Uk	LP	Weight	Main body dimensions（mm）				Housing dimensions（mm）		
	National Standard W	National Standard（120℃） W	%	%	db(A)	kg	L	C	H	Gauge	L	C	H
SCB14-200/10-NX2	420	2275	1.1	4	47	1280	1100	870	980	660	1450	1350	1500
SCB14-250/10-NX2	490	2485	0.9		49	1380	1100	870	1000	660	1450	1350	1500
SCB14-315/10-NX2	600	3125	0.8		49	1370	1100	870	950	660	1450	1350	1500
SCB14-400/10-NX2	665	3590	0.8		50	1620	1100	870	1050	660	1450	1350	1550
SCB14-500/10-NX2	790	4390	0.8		50	2050	1180	1020	1150	660	1550	1450	1550
SCB14-630/10-NX2	910	5290	0.7		50	2420	1240	1020	1240	660	1600	1450	1600
SCB14-630/10-NX2	885	5365	0.7	6	50	2250	1280	1020	1030	660	1700	1450	1450
SCB14-800/10-NX2	1035	6265	0.7		50	2560	1300	1020	1060	820	1700	1450	1600
SCB14-1000/10-NX2	1205	7315	0.7		51	3040	1360	1020	1200	820	1850	1450	1650
SCB14-1250/10-NX2	1420	8720	0.7		51	3270	1440	1020	1190	820	1850	1500	1650
SCB14-1600/10-NX2	1665	10555	0.7		52	4490	1470	1070	1300	820	1850	1500	1850
SCB14-2000/10-NX2	2075	13005	0.6		52	4900	1530	1070	1410	820	1900	1500	1950
SCB14-2500/10-NX2	2450	15445	0.6		52	6050	1600	1070	1500	820	2050	1550	2000

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