SC(B)12 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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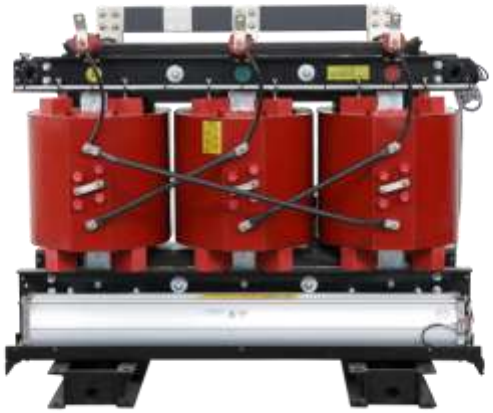

Model Identification

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
SC12-50/10	215	1000	2.0	4	46	410	900	650	750	550	1200	1100	1150
SC12-80/10	295	1380	1.5		46	470	900	720	830	550	1200	1150	1150
SC12-100/10	320	1570	1.5		47	610	960	720	850	550	1300	1150	1150
SC12-125/10	375	1850	1.3		47	690	980	720	930	550	1350	1150	1250
SCB12-160/10	430	2130	1.3		47	820	950	720	800	550	1350	1150	1250
SCB12-200/10	495	2530	1.1		47	870	1000	870	875	550	1450	1350	1400
SCB12-250/10	575	2760	0.9		49	1030	1020	870	865	660	1450	1350	1400
SCB12-315/10	705	3470	0.8		49	1050	1035	870	893	660	1450	1350	1450
SCB12-400/10	785	3990	0.8		50	1400	1080	870	950	660	1500	1400	1550
SCB12-500/10	930	4880	0.8		50	1550	1060	1020	988	660	1500	1450	1550
SCB12-630/10	1070	5880	0.7		50	1830	1100	1020	1100	660	1600	1450	1600
SCB12-630/10	1040	5960	0.7	6	50	1650	1180	1020	1000	660	1700	1450	1600
SCB12-800/10	1215	6960	0.7		50	2140	1280	1020	1070	820	1700	1450	1600
SCB12-1000/10	1415	8130	0.7		51	2610	1370	1020	1130	820	1850	1450	1650
SCB12-1250/10	1670	9690	0.7		51	3120	1400	1020	1130	820	1850	1450	1650
SCB12-1600/10	1960	11730	0.7		52	3780	1450	1070	1200	820	1850	1500	1700
SCB12-2000/10	2440	14450	0.6		52	4320	1520	1070	1315	820	1900	1500	1800
SCB12-2500/10	2880	17170	0.6		52	5250	1600	1070	1383	820	2000	1500	1900

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