



SC(B)H15系列(10kV级) 三相树脂绝缘干式非晶合金配电变压器

Amorphous Alloy Core Cast Resin Dry-type Distribution Transformers



Add: No.168 Chenshao Road Pudong Development Zone Shanghai

P.C: 201209

Tel: 008621-58633868

Fax: 008621-58633770

Sales Department: No.800 East Beijing Road
Shanghai 200001

Tel: 008621-63221022 008621-63225157

Fax: 008621-63225157

E-mail: htc@huguang.com

<http://www.huguang.com>

厂部: 上海浦东新区陈邵路168号

邮政编码: 201209

电话: 008621-58633868

传真: 008621-58633770

营销部: 上海北京东路800号
邮政编码: 200001

电话: 008621-63221022 008621-63225157

传真: 008621-63225157

电子信箱: htc@huguang.com

网址: <http://www.huguang.com>

上海沪光变压器有限公司
SHANGHAI HUGUANG TRANSFORMER CO.,LTD.

产品介绍及特点 Product Feature and Characteristics

SC(B)H15系列(10kV级)三相树脂绝缘非晶合金干式配电变压器(以下简称变压器)系本公司引进德国HTT公司制造薄绝缘环氧浇注干式变压器的技术基础上开发的产品。铁心采用进口非晶合金材料,产品空载损耗和10型变压器相比下降70%以上,本产品是一种新型高效环保节能产品。其关键生产设备均从德国引进。

铁心采用成型的三柱式非晶合金结构。铁心悬挂在夹件拉板上,完全不受外力,充分发挥了非晶合金材料低空载损耗、低空载电流的特点。

高低压采用矩形绕组,内外层均用进口玻璃丝网格和玻璃丝带填充缠绕,与树脂渗透固化为一体,具有极强的抗开裂和抗突发短路的能力。变压器线圈为全浇注,防潮能力强可立即上电。

变压器采用平钢板夹件,线圈通过弹性压钉压紧,整体结构简洁美观。

高低压绕组为薄绝缘、少填料全浇注型,防潮能力极强,为立即上电型变压器。产品浇注采用最新一代德国HEDRICH真空浇注设备。具有真空薄膜脱气、计量泵、静态混料等先进技术,保证环氧混合料的配比精度和浇注质量。绕组的局部放电量小于5pc。

HTC绕组采用先进的“气道棒”技术,可不受绕组曲率半径的限制,按设计需要在绕组的发热中心设置一层或多层轴向气道,使整机的散热达到最佳效果。同时可在气道中生成多根支撑筋,有效增强了绕组的机械强度。

Adopting manufacturing technology of HTT dry-type transformer, SC(B)H15 series (10kV) cast resin dry-type transformers with amorphous alloy were developed by our company. The core is rolled with the amorphous alloy ribbon, so the no-load loss is reduced more than 70% compared with SCB10 series (10kV) transformer with the same capacity. It's a new generation of product of environment-friendly, cost-efficient and high efficient. The main manufacturing equipment imported from Germany.

The core type is three-column structure. The core is suspended on the tie rods, so it doesn't suffer from outside force at all. We can display the advantages of amorphous alloy core.

The HV and LV windings are rectangular. The inside and outside of winding are wound with fiberglass grid and glass braid which integrate closely with resin. Thus it can prevent the crack and sudden short-circuit. The HV and LV windings are all cast resin type, so that the moisture proof capability is very strong. The transformer can be energized at any moment.

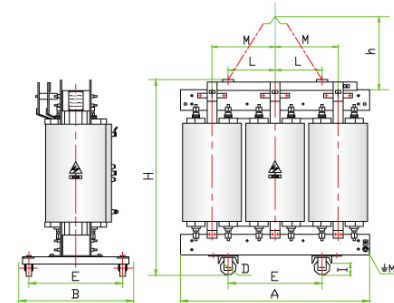
The clamp system is flat armor plate clamp, and the windings are pressed by insulate supports via clamping screws with dish springs. And the whole structure is simple and elegance.

Both high and low voltage windings are resin cast. Adopting new technique of thin coating and low filler, windings are cast with resin in the latest HEDRICH vacuum casting equipment of which vacuum film degassing device, dosing pump and static mixer ensure the best molding quality and the partial discharge less than 5pc.

Introducing the advanced "gas channel stick" technology, the winding of product is free from the limitation of winding radius of curvature. According to the design requirement, one layer or multilayer of gas channels are required to be installed in the heating center, so that the heat loss can be optimized, in the meantime, the brace rods formed in the gas channel effectively reinforces the mechanical strength of the winding.

SC(B)H15系列(10kV级)三相树脂绝缘干式非晶合金配电变压器性能参数及外形尺寸

SC(B)H15 series (10kV) Technical Characteristics and Overall Dimensions of cast resin try-type power transformer with amorphous alloy



高压 (kV): 11, 10, 5, 10, 6, 6, 6, 3, 6
HV (kV): 11, 10, 5, 10, 6, 6, 6, 3, 6

低压 (kV): 0.4
LV (kV): 0.4

联接组标号: Dyn11或Yyn0
Connection Symbol: Dyn11/Yyn0

绝缘水平: L1170AC70/L10AC3
Insulation level: L1170AC70/L10AC3

型号 Type	Po W	PK (75℃) W	Io %	UK %	Lpa AN dB	外形尺寸 Overall Dimension (mm)										重量 Weight (kg)
						A	B	H	E	M	D	I	L	h		
SCH15-30/10	65	590	0.7	4	51	1070	525	1020	440	340	125	100	255	440	730	
SCH15-50/10	85	830				1085	675	1050	550	345	125	100	260	450	860	
SCH15-80/10	115	1140				1100	675	1090	550	350	125	100	265	455	980	
SCH15-100/10	125	1300	0.5		52	1100	675	1130	550	350	125	100	265	455	1090	
SCH15-125/10	140	1530				1115	675	1180	550	355	125	100	270	460	1200	
SCH15-160/10	160	1770				1115	675	1230	550	355	125	100	270	460	1310	
SCBH15-200/10	180	2100	0.4		54	1130	675	1290	550	360	125	100	270	470	1440	
SCBH15-250/10	210	2290				1130	785	1350	660	360	125	100	270	470	1580	
SCBH15-315/10	250	2880				1190	785	1395	660	380	125	100	285	495	1790	
SCBH15-400/10	280	3310	0.3		55	1250	785	1505	660	400	125	100	300	520	2210	
SCBH15-500/10	320	4050				1310	785	1590	660	420	125	100	315	545	2560	
SCBH15-630/10	380	4880				1370	990	1680	820	440	160	120	340	585	2790	
SCBH15-630/10	350	4940	0.2		56	1400	990	1560	820	450	160	120	340	585	2790	
SCBH15-800/10	410	5770				1535	990	1700	820	495	160	120	370	645	3480	
SCBH15-1000/10	470	6750				1580	990	1840	820	510	160	120	385	660	4130	
SCBH15-1250/10	520	8040	0.2		58	1610	990	1890	820	520	160	120	390	675	4860	
SCBH15-1600/10	610	9730				1805	990	2075	820	585	160	120	440	760	6200	
SCBH15-2000/10	800	11990				1910	1270	2260	1070	620	200	160	465	805	7430	

* 引用标准: GB/T 1094.11-2007; GB/T10228-2008; IEC60076-11:2004; DIN42523-1992; GB/T22072-2008.

* 表中所列负载损耗为75℃参考温度时的值, 120℃参考温度时的值比表中数据增加14.5%。

* 表中所述尺寸仅供参考, 实际安装尺寸按订货时提供的总装外形图。

* 可根据客户需要配置吸噪音外壳, 同比一般外壳可降低10dB以上。

* Application standards: GB/T1094.11-2007; GB/T10228-2008; IEC60076-11:2004; DIN42523-1992; GB/T22072-2008.

* The value of load losses in the table are tested at 75℃ and the value at 120℃ should be increased by 14.5%.

* Dimensions above are for reference and the installation should be in accordance with the final

* The absorbing noise enclosure can be supplied according to customers' request, and it will reduce over 10dB noise compared with normal.