

DRY TYPE Distribution Transformer

Logo & Packaging Customization

Parameter & Drawing Design Customization



OPTIMIZED
PERFORMANCE



HIGH
EFFICIENCY



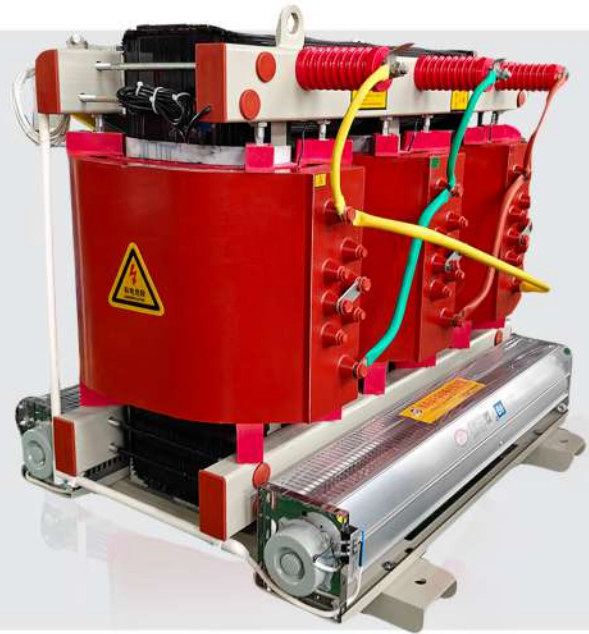
SUPERIOR
SAFETY



ECO
FRIENDLY



MAINTENANCE
FREE



Overview

Safe, flame retardant, fireproof, pollution-free, can be directly installed in the load center.

Maintenance-free, easy installation, low comprehensive operating cost.

It has excellent moisture-proof performance, can operate normally at 100% humidity, and can be put into operation without pre-drying after shutdown.

Low loss, low partial discharge, low noise, strong heat dissipation capacity, and can run at 150% rated load under forced air cooling.

Equipped with a complete temperature protection control system to provide reliable guarantee for the safe operation of the transformer.

High reliability, according to the operation research of the products that have been put into operation, the reliability index of the products has reached the intentional level.

Application



Hospitals & Data Centers
Uninterrupted Reliability & Fire Safety

Skyscrapers & Malls

Space Saving & Low Noise Operation



Industrial / Factories

Robust Durability & Low Maintenance

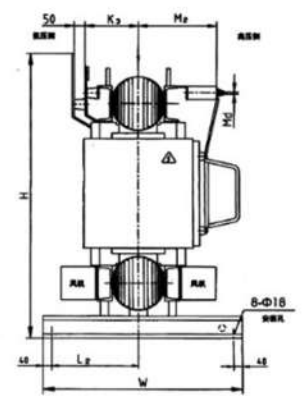
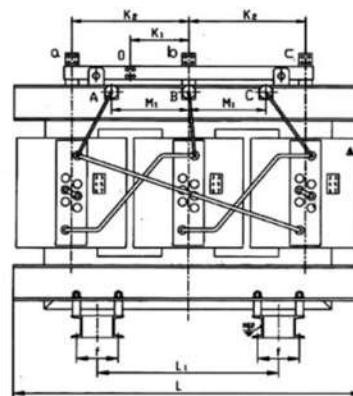
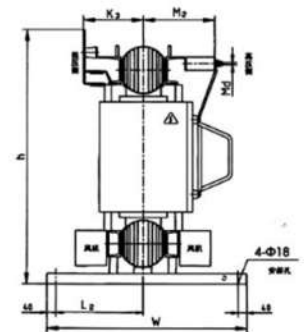
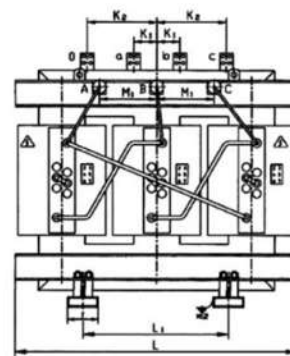


Renewable Energy

Optimized Efficiency & Environmental Resilience



Outline Drawing



Note: the size of forced air system (fan) cannot exceed the size of main body(L*W)

Accessories / Components



Temperature
Controller



Transformer
Enclosure



High and Low-
Voltage Switchgear



Cooling Fan

Technical Parameters

Sheet 1, Basic performance parameter of SC(B) 10 10kV 30-2500kVA resin insulation dry type transformer

Rated voltage of H.V:10(11,10.5,6.6,3.3,1.5)kV;Rated voltage of L.V:0.4kV, vector group:Dyn11 or Yyn0;three-phase												
Model	Po(W)	PK (75°C) (W)	UK(%)	Io(%)	Lp dB(A)	GT(kg)	Outline figure	Dimensions(mm) L*W*H/h	Size of base metal L1/L2*f-n*Φ18	H.V outlet M1/M2-Md	L.V outlet K1*Q2/K3-Q (Figure 1)	L.V terminal
SC10-30/10	190	620	4	2.4	42	370	Figure 2	890*1000*860	400/410*000-4*Φ18	250/260-M10	85*225/220-0[Fig.a]	a
SC10-50/10	270	860		2.0	42	520		1030*1000*920	550/410*000-4*Φ18	250/260-M10	90*270/220-0[Fig.a]	a
SC10-80/10	370	1200		1.6	42	660		1050*1100*930	550/410*000-4*Φ18	250/302-M10	90*270/235-0[Fig.a]	b
SC10-100/10	400	1370		1.6	42	720		1060*1100*950	550/410*000-4*Φ18	250/305-M10	95*285/238-0[Fig.a]	b
SC10-125/10	470	1610	4	1.2	42	810	Figure 2	1080*1100*990	550/410*000-4*Φ18	250/309-M10	95*285/240-0[Fig.a]	c
SC10-160/10	545	1850		1.2	42	1010		1100*1100*1050	660/430*000-4*Φ18	260/312-M10	95*290/256-0[Fig.b]	c
SC10-200/10	620	2200		1.2	44	1140		1150*1100*1085	660/430*000-4*Φ18	260/318-M10	100*300/263-0[Fig.b]	c
SC10-250/10	720	2400		1.2	44	1270		1210*1100*1100	660/430*000-4*Φ18	260/322-M10	100*300/268-0[Fig.b]	c
SC10-315/10	880	3030	6	1.0	45	1480	Figure 3	1340*1200*1170	660/460*000-4*Φ18	260/326-M10	105*315/272-0[Fig.c]	d
SCB10-400/10	980	3480		1.0	45	1825		1400*1200*1245	660/460*000-4*Φ18	280/336-M10	110*330/282-0[Fig.d]	d
SCB10-500/10	1160	4260		1.0	45	1860		1400*1200*1280	660/460*000-4*Φ18	350/338-M10	225*450/224-0[Fig.d]	d
SCB10-630/10	1340	5130		0.8	46	2120		1430*1200*1390	820/460*190-8*Φ18	350/341-M10	230*460/229-0[Fig.d]	d
SCB10-630/10	1300	5205	6	0.8	46	2100	Figure 3	1570*1200*1240	820/460*190-8*Φ18	350/341-M10	252.5*505/229-0[Fig.d]	d
SCB10-800/10	1520	6075		0.8	47	2530		1620*1300*1405	820/510*190-8*Φ18	350/345-M10	260*502/233-0[Fig.e]	d
SCB10-1000/10	1770	7100		0.6	49	2965		1700*1300*1520	820/510*190-8*Φ18	400/356-M10	275*550/246-0[Fig.e]	d
SCB10-1250/10	2090	8465		0.6	50	3500		1740*1400*1665	820/560*190-8*Φ18	400/359-M10	282.5*565/249-0[Fig.f]	d
SCB10-1600/10	2450	10245	6	0.6	50	4200	Figure 3	1850*1400*1735	820/560*190-8*Φ18	400/371-M10	300*600/263-0[Fig.f]	d
SCB10-2000/10	3050	12620		0.4	52	4960		1910*1450*1945	820/560*220-8*Φ18	400/382-M16	310*620/274-0[Fig.g]	d
SCB10-2500/10	3600	14985		0.4	52	6045		2000*1450*2060	820/560*220-8*Φ18	400/389-M16	325*650/294-0[Fig.h]	d

Sheet 5, Basic performance parameter of SC(B)10 series 35/0.4kV 50-2500kVA resin insulation dry type transformer

Rated voltage of H.V:35(38.5)kV;Rated voltage of L.V:0.4kV, vector group:Dyn11 or Yyn0;50Hz three-phase;insulation level: L1170AC70/LI(0)AC3(kV)												
Model	Po(W)	PK(75°C) (W)	UK(%)	Io(%)	Lp dB(A)	GT (kg)	Outline figure	Dimensions(mm) L*W*H/h	Size of base metal L1/L2*f-n*Φ18	H.V outlet M1/M2-Md	L.V outlet K1*Q2/K3-Q (Fig. 1)	L.V terminal
SC10-50/35	450	1230	6	2.0	50	650	Figure 10	1280*830*1380	550/415*000-4*Φ18	350/540-M10	120*360/240-0=3[Fig.a]	a
SC10-80/35	460	1650		1.6	50	920		1280*830*1410	550/415*000-4*Φ18	350/540-M10	120*360/240-0=3[Fig.a]	a
SC10-100/35	630	1890		1.6	51	1100		1300*850*1470	550/425*000-4*Φ18	350/550-M10	125*375/250-0=4[Fig.a]	a
SC10-125/35	680	2310		1.2	51	1190		1450*850*1500	550/425*000-4*Φ18	350/550-M10	125*375/250-0=4[Fig.a]	a
SC10-160/35	790	2640	6	1.2	51	1320	Figure 10	1450*920*1540	660/460*000-4*Φ18	350/560-M10	140*420/260-0=4[Fig.b]	b
SC10-200/35	880	2880		1.2	51	1470		1470*920*1590	660/460*000-4*Φ18	350/570-M10	140*420/260-0=4[Fig.b]	b
SC10-250/35	990	3310		1.2	51	1650		1490*920*1680	660/475*000-4*Φ18	350/570-M10	145*435/270-0=5[Fig.b]	b
SC10-315/35	1180	3640		1.0	51	1840		1600*950*1730	660/475*000-4*Φ18	350/570-M10	150*450/280-0=6[Fig.c]	c
SC10-400/35	1380	4690	6	1.0	52	2130	Figure 11	1600*950*1760	660/475*000-4*Φ18	380/570-M10	300*660/290-0=6[Fig.d]	d
SCB10-500/35	1620	5770		1.0	52	2560		1750*1010*1790	820/505*190-8*Φ18	380/570-M10	310*620/300-0=6[Fig.d]	d
SCB10-630/35	1860	6720		0.8	52	2760		1780*1010*1840	820/505*190-8*Φ18	380/580-M10	320*640/340-0=8[Fig.d]	d
SCB10-800/35	2160	7980		0.8	52	3720		1900*1050*1930	820/510*190-8*Φ18	380/580-M10	330*660/360-0=8[Fig.e]	d
SCB10-1000/35	2430	9170	6	0.6	53	4330	Figure 11	2000*1050*1950	820/510*190-8*Φ18	400/590-M10	345*690/390-0=10[Fig.e]	e
SCB10-1250/35	2830	11110		0.6	53	5080		2080*1070*2080	820/535*190-8*Φ18	400/630-M10	365*730/400-0=10[Fig.f]	e
SCB10-1600/35	3240	13500		0.6	53	6190		2150*1275*2150	1070/637*190-8*Φ18	400/650-M10	380*760/430-0=12[Fig.f]	f
SCB10-2000/35	3820	15890		0.4	54	6590		2230*1275*2270	1070/637*220-8*Φ18	450/655-M12	395*790/435-0=12[Fig.g]	f
SCB10-2500/35	4450	19000	6	0.4	55	7760	Figure 11	2400*1275*2380	1070/637*220-8*Φ18	450/660-M12	435*870/440-0=15[Fig.h]	h

Sheet 2, Basic performance parameter of SC(B) 10 20kV 315-2500kVA resin insulation dry type transformer

Model	Impedance UK (%)	No-load Po(W)	With load Pk(W)	Io %	Noise (An)Db	Dimensions(mm)						Weight(kg)	L.V. terminal
						L*B*H	m	n	I1	I2	K1	K2	
SCB10-315/20	6	1250	3020	0.9	48	1470*1020*1405	820	820	510	145	387	304	2200 a
SCB10-400/20		1300	3500	0.8	48	1550*1070*1470	820	820	535	145	407	324	2250 a
SCB10-500/20		1600	3700	0.8	50	1550*1070*1550	820	820	535	145	416	338	2520 a
SCB10-630/20		1700	5000	0.7	50	1565*1070*1542	820	820	540	165	413.5	326.5	2340 b
SCB10-800/20		1800	6100	0.6	50	1645*1070*1657	820	820	565	178	420	339	3225 b
SCB10-1000/20		2100	7400	0.5	50	1760*1070*1725	820	820	600	200	430.5	347	3650 c
SCB10-1250/20		2700	9500	0.5	52	1790*1270*1807	1070	1070	615	190	439	351	3950 c
SCB10-1600/20		2900	11070	0.4	52	1900*1270*1940	1070	1070	650	205	451.5	365	4700 d
SCB10-2000/20		3500	13520	0.4	54	1980*1270*2042	1070	1070	680	205	479.5	391	5650 d
SCB10-2500/20		4100	14990	0.3	54	2055*1270*2250	1070	1070	710	215	485.5	396.5	6650 d

Sheet 3, Protective casing and outlet mode of SC(B) 10 series 10kV 30-2500kVA resin insulation dry type transformer

Model	UK (%)	GT (kg)	Outline figure	Dimensions size(mm)		Size of base metal(mm) L1/L2*f-n*Φ18	Remark
				L*W*H/h (normal products)	L*W*H/h (Assorted switch cabinet products)		
SC10-30/10	4	370	Figure 5	1350*1000*1200/860	1350*1000*H(2200)/860	400/410*000-4*Φ18	(1), the dimensions of high voltage and low voltage outlet terminals are detailed in table1, Fig.1, Fig2 and Fig.3 (2), the outline dimensions are only for reference. (3), the dry type transformer, which matches the low voltage switch cabinet, has a standard casing height H=2200mm; in addition, we can produce transformers with dimensions which are required by customers. (4), the casing's material is used of aluminum alloy, also can manufacture and design according customers' requested material and protective level.
SC10-50/10		520		1350*1000*1200/920	1350*1000*H(2200)/920	550/410*000-4*Φ18	
SC10-80/10		660		1400*1100*1300/930	1400*1100*H(2200)/930	550/410*000-4*Φ18	
SC10-100/10		720		1400*1100*1300/950	1400*1100*H(2200)/950	550/410*000-4*Φ18	
SC10-125/10		810		1400*1100*1300/990	1400*1100*H(2200)/990	550/410*000-4*Φ18	
SC10-160/10		1010		1600*1100*1400/1050	1600*1100*H(2200)/1050	660/430*000-4*Φ18	
SC10-200/10		1140		1600*1100*1400/1085	1600*1100*H(2200)/1085	660/430*000-4*Φ18	
SC10-250/10		1270		1600*1100*1400/1100	1600*1100*H(2200)/1100	660/430*000-4*Φ18	
SC10-315/10		1630		1700*1200*1500/1170	1700*1200*H(2200)/1170	660/460*000-4*Φ18	
SCB10-400/10		1975		1700*1200*1500/1245	1700*1200*H(2200)/1245	660/460*000-4*Φ18	
SCB10-500/10	6	2000	Figure 6	1700*1200*1500/1280	1700*1200*H(2200)/1280	660/460*000-4*Φ18	
SCB10-630/10		2280		1900*1200*1600/1390	1900*1200*H(2200)/1390	820/460*190-8*Φ18	
SCB10-630/10		2260		1900*1200*1600/1240	1900*1200*H(2200)/1240	820/460*190-8*Φ18	
SCB10-800/10		2705		2000*1300*1750/1405	2000*1300*H(2200)/1405	820/510*190-8*Φ18	
SCB10-1000/10		3140		2000*1300*1750/1520	2000*1300*H(2200)/1520	820/510*190-8*Φ18	
SCB10-1250/10		3695		2100*1400*1900/1665	2100*1400*H(2200)/1665	820/560*190-8*Φ18	
SCB10-1600/10		4400		2100*1400*1900/1735	2100*1400*H(2200)/1735	820/560*190-8*Φ18	
SCB10-2000/10		5180		2300*1450*2200/1945	2300*1450*H(2200)/1945	820/560*220-8*Φ18	
SCB10-2500/10		6270		2300*1450*2200/2060	2300*1450*H(2200)/2060	820/560*220-8*Φ18	

Sheet 4, Basic performance parameter of SC(B)10 series 10kV 30-2500kVA on-load regulating resin insulation dry type transformer

Rated voltage of H.V:10(11,10.5,6.6,6.3,3.15)kV;Rated voltage of L.V:0.4kV, vector group:Dyn11 or Yyn0;50HZ three-phase;tapping range: ±4x2.5%(9 steps)												
Model	Po(W)	PK (75°C) (W)	UK(%)	Io(%)	LpdB(A)	GT(kg)	Outline figure	Dimensions(mm) L*W*H/h	Size of basement L1/L2*F-n*Φ18	H.V outlet M1/M2-Md	L.V outlet K1*K2/K3-Q=3 (Fig.)	
SCZ10-200/10	640	2250	4	1.2	44	1350	Figure 8	1600*1400*1400/1085	660/450*000-4*Φ18	260/318-M10	100*300/263-Φ=4[Fig.a]	
SCZ10-250/10	735	2450		1.2	44	1480		1600*1400*1400/1100	660/450*000-4*Φ18	260/322-M10	100*300/268-Φ=5[Fig.b]	
SCZ10-315/10	890	3090		1.0	45	1660		1700*1400*1500/1160	660/480*000-4*Φ18	260/326-M10	105*315/272-Φ=6[Fig.c]	
SCZ10-400/10	995	3545		1.0	45	2040		1700*1400*1500/1245	660/480*000-4*Φ18	280/336-M10	110*330/282-Φ=6[Fig.d]	
SCZB10-500/10	1160	4350		1.0	45	2230		1700*1400*1500/1210	660/480*000-4*Φ18	350/338-M10	225*450/224-Φ=6[Fig.d]	
SCZB10-630/10	1370	5230		0.8	46	2610		1900*1500*1600/1350	820/510*190-4*Φ18	350/341-M10	230*460/229-Φ=8[Fig.d]	
SCZB10-630/10	1300	5310	6	0.8	46	2520	Figure 9	1900*1500*1600/1240	820/510*190-8*Φ18	350/341-M10	252.5*505/229-Φ=8[Fig.d]	
SCZB10-800/10	1550	6195		0.8	47	2950		2000*1500*1700/1320	820/510*190-8*Φ18	350/345-M10	260*520/233-Φ=8[Fig.e]	
SCZB10-1000/10	1805	7240		0.6	49	3520		2000*1500*1700/1450	820/510*190-8*Φ18	350/356-M10	275*550/246-Φ=10[Fig.d]	
SCZB10-1250/10	2130	8630		0.6	49	4000		2150*1600*1900/1600	820/560*190-8*Φ18	350/359-M10	282.5*565/249-Φ=10[Fig.f]	
SCZB10-1600/10	2500	10440		0.6	49	4690		2150*1600*1900/1735	820/560*190-8*Φ18	400/371-M10	300*600/263-Φ=12[Fig.f]	
SCZB10-2000/10	2960	12620		0.4	50	5570		2300*1600*2200/1900	820/560*220-8*Φ18	400/382-M16	310*620/274-Φ=12[Fig.g]	
SCZB10-2500/10	3500	14985		0.4	52	6630		2300*1600*2200/2030	820/560*220-8*Φ18	400/389-M16	SC10-200/35	