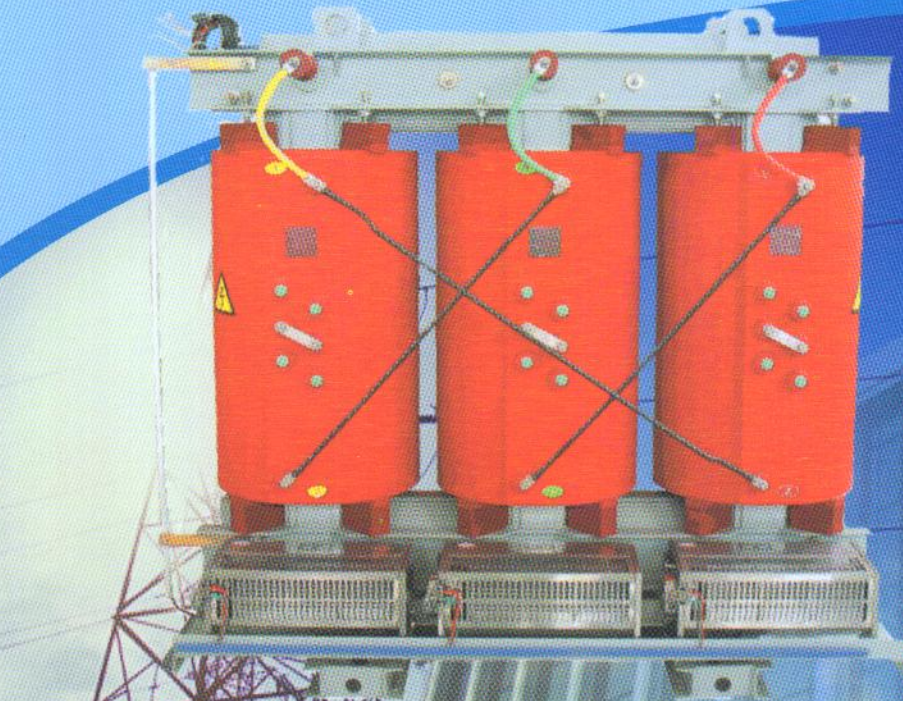


Empower Your Future with...

CAST RESIN DRY TYPE TRANSFORMER





CAST RESIN DRY TYPE TRANSFORMER

Technical Specification

1. Voltage Class : 6 – 33 KV
2. Tapping Range : + / - 5% in steps of 2.5%
3. Rated Capacity : 30 – 20,000 KVA
4. Frequency : 50 Hz
5. No. of Phases : 3 phase
6. Vector Group : Dyn11, Yyn0 or at customer request
7. Impedance Voltage : See Table or at customer request
8. Relative Humidity : 100%
9. Ambient Temperature : 40 Deg C or at customer request
10. Cooling AN or AF
11. Protection Class : IP 00, IP 20, IP 23, IP36
12. Class of Insulation : F
13. Insulation Level : HV for 11 KV class LI75AC35/AC3
: HV for 33 KV class LI170AC70/AC3

Standard Fittings

1. Rating and Diagram plate
2. Earthing Terminal – 2 Nos.
3. Off Circuit Tap links
4. Enclosure
5. Lifting Lugs
6. Jacking Pads
7. Winding RTDs.– 3 Nos.
8. Winding temperature scanner with alarm and trip

Applications

1. High Rise Buildings
2. Commercial Centers
3. Airports
4. Railway Stations
5. Wharfs
6. Substations
7. Underground substations
8. Ships
9. Hospitals
10. Theaters
11. Radio & TV Towers
12. Industrial Plants
13. Chemical Plants

Main Features

1. Design confirm to IEC Standards
2. Low noise and low power losses
3. Designed to withstand short circuit forces, thermal stresses and electrical impulse
4. Low Partial Discharge
5. Flame retardent and non environment pollution
6. Suitable for 100% relative humidity
7. High Capability of overloading and high thermostability
8. Suitable for indoor application
9. Reliable, user friendly, easy to install and occupies less space
10. Suitable for harmonic loads
11. High Resistance to corrosion

Optional Fittings

1. Axial Forced cooling fans
2. Temperature control for remote interface
3. On Load Tap Changers

Certifications

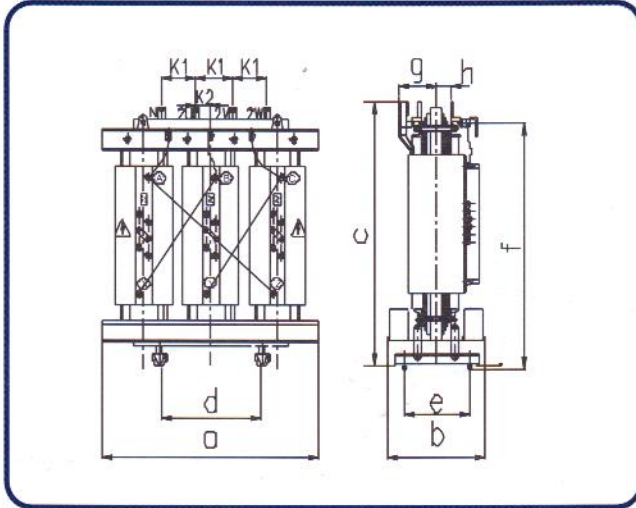
1. Certified by KEMA
2. Certified by CTQC

Advantages

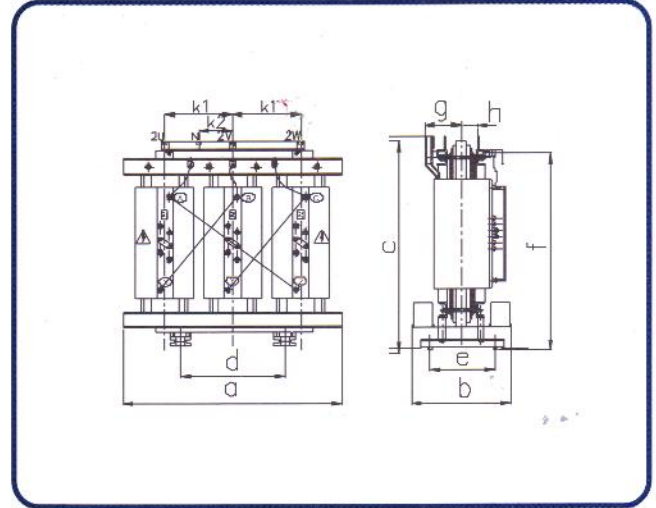
1. Zero Maintenance
2. Environment friendly
3. Compact design
4. Simple to install
5. No liquid dielectric
6. Reduced losses & noise
7. Good aesthetic
8. Fire retardant



CAST RESIN DRY TYPE TRANSFORMER



11KV class 30-200 KVA Outline



11KV class 250 - 2500 KVA Outline

Type	UK(%)	Po(W)	Pk(75°C) (W)	lo(%)	Lp dB (A)	Wt (Kg)	(mm)									
							a	b	c	d	e	f	g	h	K1	K2
SC9-30/11	4	195	650	1.6	44	340	800	600	980	550	400	788	185	211	150	75
SC9-50/11		280	900	1.6	44	400	860	600	1000	550	400	793	190	231	150	75
SC9-80/11		380	1270	1.4	45	580	860	600	1020	550	400	858	195	237	150	75
SC9-100/11		420	1450	1.4	45	680	950	600	1070	550	400	883	200	240	150	75
SC9-125/11		490	1700	1.2	46	790	1000	600	1080	550	400	907	210	240	150	75
SC9-160/11		560	1960	1.2	46	855	1050	600	1090	550	400	950	225	250	150	75
SC9-200/11		650	2330	1.0	47	930	1100	700	1100	550	550	993	249	259	150	75
SC9-250/11		750	2540	0.8	47	1100	1150	700	1120	550	550	1028	255	266	390	260
SC9-315/11		910	3200	0.8	48	1290	1220	800	1175	550	550	1083	270	278	415	260
SC9-400/11		1000	3680	0.8	48	1520	1200	800	1205	550	550	1115	268	280	425	260
SC9-500/11		1200	4510	0.6	48	1800	1270	850	1285	660	660	1200	286	294	430	260
SC9-630/11		1390	5430	0.6	49	2085	1330	900	1360	660	660	1270	294	300	450	260
SC9-630/11		6	1350	5510	0.6	49	2050	1420	900	1245	660	660	1145	289	297	480
SC9-800/11	1630		6430	0.5	50	2550	1600	900	1320	820	660	1205	319	309	535	300
SC9-1000/11	1830		7510	0.5	50	2880	1650	900	1370	820	660	1270	320	312	550	300
SC9-1250/11	2170		8960	0.5	52	3475	1680	950	1430	820	660	1295	326	336	570	300
SC9-1600/11	2530		10850	0.5	52	4145	1780	950	1500	820	660	1370	351	336	600	400
SC9-2000/11	3360		13360	0.4	53	4970	1800	1000	1650	820	660	1490	357	344	625	400
SC9-2500/11	4000		15870	0.4	54	5750	1970	1000	1810	1070	820	1610	369	360	660	500
SC9-3150/11	8	4500	22000	0.4	56	6350	2070	1050	2050	1070	820	1850	417	380	700	600
SC9-4000/11		5200	26300	0.4	56	8000	2180	1050	2200	1070	820	2000	427	400	700	600

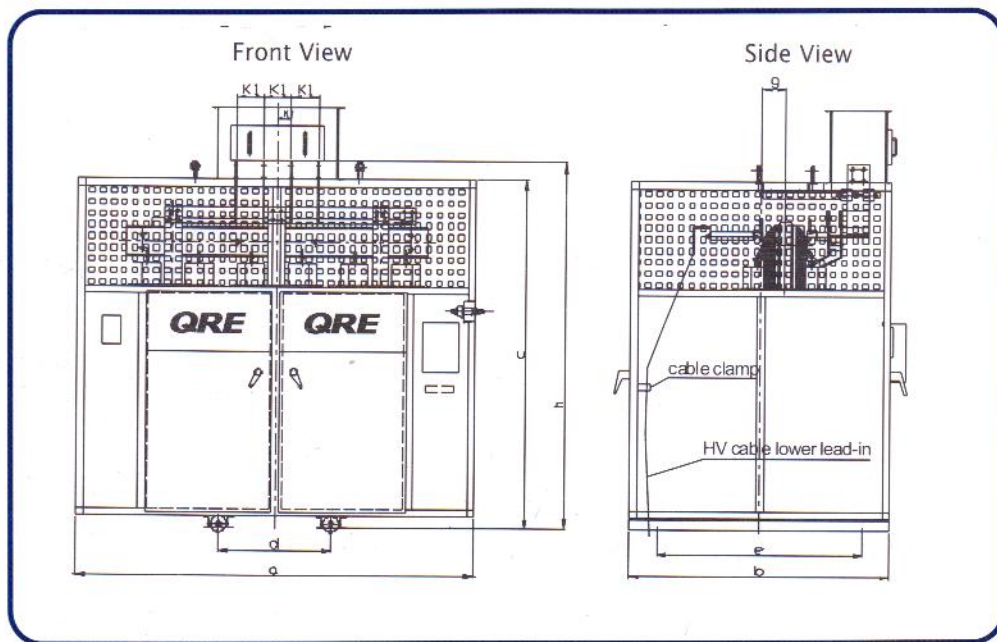
11KV CLASS DRY TYPE ACTIVE PART Performance and Dimensions



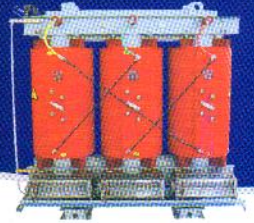
CAST RESIN DRY TYPE TRANSFORMER

Type	UK%	a	b	c	d	e	f	g	K1	K2	Wt(kg)
SC9-30/11	4	1450	1000	1270	550	820	1420	225	150	75	500
SC9-50/11		1450	1000	1270	550	820	1420	210	150	75	550
SC9-80/11		1450	1000	1270	550	820	1420	200	150	75	730
SC9-100/11		1450	1000	1270	550	700	1420	195	150	75	830
SC9-125/11		1450	1000	1470	550	700	1620	190	150	75	950
SC9-160/11		1450	1000	1470	550	700	1620	185	150	75	1050
SC9-200/11		1500	1100	1460	550	820	1610	249	150	75	1130
SC9-250/11		1500	1100	1460	550	820	1610	255	130	0	1300
SC9-315/11		1700	1300	1510	550	1070	1660	270	130	0	1500
SC9-400/11		1700	1300	1430	550	1070	1580	268	130	0	1770
SC9-500/11		1800	1350	1530	660	1180	1680	286	130	0	2050
SC9-630/11		1800	1350	1580	660	1180	1730	294	130	0	2335
SC9-630/11	6	1800	1350	1580	660	1180	1730	289	130	0	2300
SC9-800/11		1900	1350	1630	820	1180	1780	319	150	0	2800
SC9-1000/11		1900	1350	1630	820	1180	1805	320	150	0	3130
SC9-1250/11		2100	1350	1730	820	1180	1880	336	150	0	3775
SC9-1600/11		2100	1350	1730	820	1180	2100	351	150	0	4450
SC9-2000/11		2300	1500	1980	820	1180	2130	357	200	0	5310
SC9-2500/11	8	2400	1600	2180	1070	1280	2380	369	250	0	6100
SC9-3150/11		2500	1600	2250	1070	1280	2500	417	300	0	6800
SC9-4000/11		2600	1800	2400	1070	1280	2650	427	300	0	8600

SC(B)9 , 11 KV Dry Type Enclosure Dimensions



SC(B)9 , 11 KV Dry type Transformer out line diagram with Enclosure



CAST RESIN DRY TYPE TRANSFORMER

Type	UK(%)	Po(W)	Pk (75°C) (W)	Io(%)	Lp dB(A)	Wt(kg)	Vector Group	Active Part	Enclosure	Base	
								mm x mm x mm (L x B x H)	mm x mm x mm (L x B x H)	mm x mm	
SC9-30/33	6	360	1050	2.8	49	500	Yyno or Dyn 11	1350 x 750 x 1300	2100 x 1500 x 1900	660* x 550	
SC9-50/33		450	1310	2.4	49	620		1330 x 750 x 1305	2100 x 1500 x 1900		
SC9-80/33		520	1750	2.2	49	800		1350 x 750 x 1350	2100 x 1500 x 1900		
SC9-100/33		660	2000	1.8	50	1100		1385 x 850 x 1430	2150 x 1600 x 2000		
SC9-125/33		760	2440	1.8	50	1220		1420 x 850 x 1500	2150 x 1600 x 2000		
SC9-160/33		860	2800	1.8	50	1350		1450 x 850 x 1550	2200 x 1600 x 2000		
SC9-200/33		960	3050	1.6	50	1500		1490 x 850 x 1690	2200 x 1600 x 2150		
SC9-250/33		1080	3500	1.6	51	1700		1490 x 900 x 1760	2200 x 1650 x 2150		
SC9-315/33		1300	3840	1.2	51	1900		1585 x 900 x 1640	2350 x 1650 x 2150		
SC9-400/33		1530	4950	1.2	51	2150		1590 x 900 x 1750	2350 x 1650 x 2200		
SC9-500/33		1780	6080	1	52	2580		1700 x 900 x 1780	2400 x 1650 x 2200		
SC9-630/33		2050	7090	1	52	2800		1700 x 920 x 1810	2400 x 1650 x 2250		
SC9-800/33		2400	8400	0.8	52	3450		1880 x 1030 x 1925	2600 x 1700 x 2300		820 x 660
SC9-1000/33		2700	9600	0.8	52	4000		1970 x 1050 x 1965	2700 x 1700 x 2300		
SC9-1250/33		3150	11700	0.7	53	4350		1980 x 1050 x 1980	2700 x 1700 x 2300		
SC9-1600/33		3580	14220	0.7	53	5235		2200 x 1050 x 2200	2800 x 1700 x 2580		
SC9-2000/33	4200	16740	0.5	54	6330	2200 x 1100 x 2200	3000 x 1800 x 2650	1070 x 820			
SC9-2500/33	4900	20040	0.5	55	7550	2350 x 1100 x 2320	3000 x 1800 x 2650				
SC9-3150/33	8	5850	25320	0.4	56	7730	2500 x 1270 x 2325	3200 x 2100 x 2865	1070 x 1070		
SC9-4000/33		6800	28500	0.35	57	9600	2660 x 1270 x 2370	3350 x 2100 x 3000			

SC(B)9-33KV Performance and Dimensions



CAST RESIN DRY TYPE TRANSFORMER



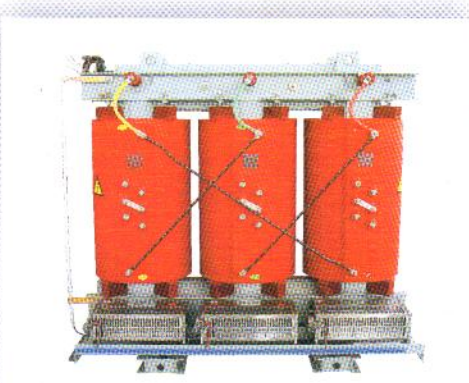
Foil Sheet Winding Cross Section



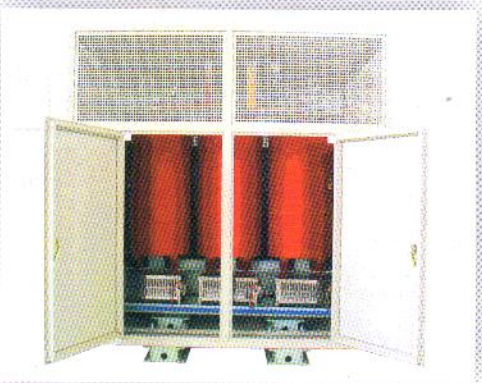
Transformer CRGO Core



Core Coil Under Assembly



Core Coil Assembly



Core Coil Assembly Inside The Enclosure



Transformer With Enclosure



CAST RESIN DRY TYPE TRANSFORMER



5 MVA, 35 KV Cast Resin Transformer



20 MVA, 35 KV Cast Resin Transformer



2.5 MVA, 33 KV Cast Resin Transformer



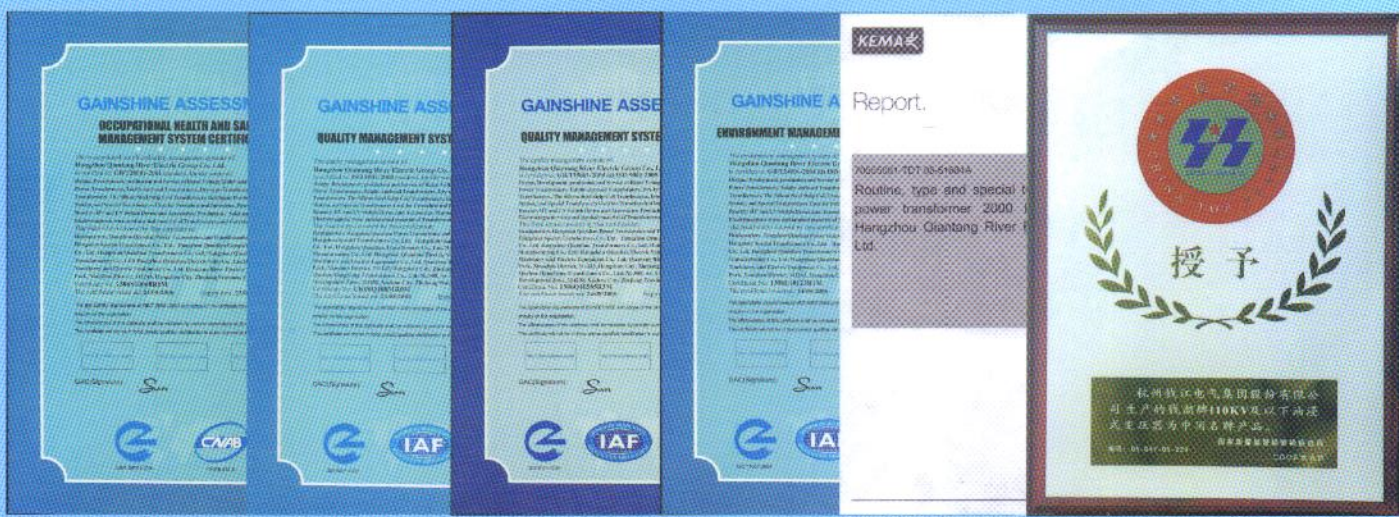
A View of 11 KV Cast Resin Transformers



Winding Temperature Scanner



A View of Transformers in Shopfloor



Manufactured by :

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Joint Venture Partner

QGP 钱江绿能
QRE-GREENESOL POWER

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