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Dry-type Air-core Current-limiting Reactor

Product features

Multi-layer encapsulated parallel-winding structure provides uniform impulse-voltage distribution and good insulation performance. Resin-impregnated glass fibre is cured to form FRP, improving short-circuit withstand capability. Multiple small-cross-section conductors are wound in parallel for low loss and maintenance-free operation.

Application

Connected in series with the power system. During system faults, the reactor limits short-duration fault current; during switching operations, it limits switching inrush current. Continuous current flows through the reactor during normal operation.

Model designation

XKSGK - rated reactance (%) / rated current (A) / rated voltage (kV)

Conductor material: suffix 'L' = aluminium; copper is not marked.

Air-core / dry-type / three-phase / current-limiting reactor.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007, Power Transformers - Part 6: Reactors.

Service conditions

Installation: indoor or outdoor. Altitude: up to 1000 m. Ambient temperature: -25°C to +45°C. Relative humidity: up to 95% at 25°C. Seismic intensity: up to Grade 8.

Information required for ordering

1. Rated voltage
2. Rated current
3. Rated reactance (%)
4. Installation arrangement (horizontal or stacked)
5. Service environment
6. Outgoing-terminal angle
7. Any other required data to be specified in the contract

Dry-type Air-core Current-limiting Reactor

6 kV series - aluminium

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心限流电抗器

6kV系列（铝质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGKL-6-600-4	600	4	0.231	15	83	2.51	1065	535	290	800	240	两 垂 一 平
XKSGKL-6-600-6		6	0.346		125	3.68	1065	535	290	800	240	
XKSGKL-6-600-8		8	0.462		166	4.34	1085	550	290	900	300	
XKSGKL-6-600-10		10	0.577		208	4.96	1165	570	290	1000	330	
XKSGKL-6-600-12		12	0.693		250	5.53	1215	605	290	1000	390	
XKSGKL-6-800-4	800	4	0.173	20	111	3.00	1085	570	290	1000	320	两 垂 一 平
XKSGKL-6-800-6		6	0.260		166	4.44	1145	580	290	1000	320	
XKSGKL-6-800-8		8	0.346		221	5.27	1245	615	290	1100	400	
XKSGKL-6-800-10		10	0.433		277	5.92	1255	620	290	1100	440	
XKSGKL-6-800-12		12	0.52		332	6.61	1315	650	290	1100	480	
XKSGKL-6-1000-4	1000	4	0.139	25	139	3.37	1155	600	290	1000	390	两 垂 一 平
XKSGKL-6-1000-6		6	0.208		208	4.92	1225	610	290	1100	400	
XKSGKL-6-1000-8		8	0.277		277	5.91	1295	665	290	1100	410	
XKSGKL-6-1000-10		10	0.346		346	6.76	1380	705	290	1200	500	
XKSGKL-6-1000-12		12	0.416		416	7.56	1465	730	290	1300	550	
XKSGKL-6-1500-4	1500	4	0.092	37.5	208	4.18	1170	670	290	1000	460	两 垂 一 平
XKSGKL-6-1500-6		6	0.139		312	5.76	1210	695	290	1100	500	
XKSGKL-6-1500-8		8	0.185		416	6.88	1290	750	290	1100	520	
XKSGKL-6-1500-10		10	0.231		520	8.29	1430	765	290	1200	650	
XKSGKL-6-1500-12		12	0.277		624	9.27	1450	815	290	1200	710	
XKSGKL-6-2000-4	2000	4	0.069	40	277	4.93	1220	685	290	1100	660	两 垂 一 平
XKSGKL-6-2000-6		6	0.104		416	6.80	1270	725	290	1100	610	
XKSGKL-6-2000-8		8	0.139		554	8.59	1380	770	290	1200	670	
XKSGKL-6-2000-10		10	0.173		693	9.78	1500	790	290	1300	760	
XKSGKL-6-2000-12		12	0.208		831	10.96	1570	830	290	1300	840	
XKSGKL-6-2000-14		14	0.242		970	11.99	1630	860	290	1400	910	

Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

6 kV series - aluminium

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

6kV系列（铝质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGKL-6-2500-6	2500	6	0.083	50	520	8.12	1350	730	290	1200	690	两 垂 一 平
XKSGKL-6-2500-8		8	0.111		693	9.58	1480	770	290	1300	810	
XKSGKL-6-2500-10		10	0.139		866	10.97	1570	805	290	1400	900	
XKSGKL-6-2500-12		12	0.166		1040	12.17	1640	840	290	1400	990	
XKSGKL-6-2500-14		14	0.194		1212	13.43	1680	880	290	1400	1060	
XKSGKL-6-3000-6	3000	6	0.069	50	624	8.70	1440	820	290	1200	790	两 垂 一 平
XKSGKL-6-3000-8		8	0.092		831	10.97	1490	890	290	1200	900	
XKSGKL-6-3000-10		10	0.115		1038	11.70	1560	930	290	1300	1030	
XKSGKL-6-3000-12		12	0.139		1248	13.00	1640	960	290	1400	1130	
XKSGKL-6-3000-14		14	0.162		1455	14.35	1720	970	290	1400	1200	
XKSGKL-6-3500-6	3500	6	0.059	63	728	9.65	1440	870	290	1200	850	两 垂 一 平
XKSGKL-6-3500-8		8	0.079		970	11.42	1530	890	290	1300	980	
XKSGKL-6-3500-10		10	0.099		1212	12.95	1610	930	290	1400	1100	
XKSGKL-6-3500-12		12	0.119		1455	14.29	1720	970	290	1400	1210	
XKSGKL-6-3500-14		14	0.139		1697	15.67	1770	990	290	1400	1310	
XKSGKL-6-4000-6	4000	6	0.052	80	832	10.40	1480	870	290	1200	910	两 垂 一 平
XKSGKL-6-4000-8		8	0.069		1109	12.17	1580	910	290	1300	1060	
XKSGKL-6-4000-10		10	0.087		1386	13.82	1660	950	290	1300	1180	
XKSGKL-6-4000-12		12	0.104		1663	15.47	1760	990	290	1400	1300	
XKSGKL-6-5000-14		14	0.121		1940	16.90	1810	1105	290	1500	1420	
XKSGKL-6-5000-8	5000	8	0.055	80	1386	13.94	1510	1045	290	1300	1250	两 垂 一 平
XKSGKL-6-5000-10		10	0.069		1732	15.73	1710	1010	290	1400	1380	
XKSGKL-6-5000-12		12	0.083		2078	17.53	1810	1045	290	1500	1530	
XKSGKL-6-5000-14		14	0.097		2425	19.11	1920	1020	290	1600	1660	

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3、我公司保留更改数据的权利。

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Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

10 kV series - aluminium

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心限流电抗器

10kV系列（铝质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGKL-10-600-4	600	4	0.385	15	139	3.23	1165	592	290	900	330	两 垂 一 平
XKSGKL-10-600-6		6	0.577		208	4.86	1245	570	290	1000	340	
XKSGKL-10-600-8		8	0.770		277	5.74	1315	625	290	1100	390	
XKSGKL-10-600-10		10	0.962		347	6.59	1415	655	290	1200	425	
XKSGKL-10-600-12		12	1.155		416	7.34	1515	675	290	1300	380	
XKSGKL-10-800-4	800	4	0.289	20	185	3.84	1320	615	290	1100	400	两 垂 一 平
XKSGKL-10-800-6		6	0.433		277	5.79	1345	625	290	1100	380	
XKSGKL-10-800-8		8	0.577		370	6.76	1425	630	290	1200	500	
XKSGKL-10-800-10		10	0.722		462	7.68	1505	645	290	1300	550	
XKSGKL-10-800-12		12	0.866		554	8.34	1535	625	290	1300	610	
XKSGKL-10-1000-4	1000	4	0.231	25	231	4.30	1235	685	290	1000	470	两 垂 一 平
XKSGKL-10-1000-6		6	0.346		346	6.09	1295	690	290	1000	455	
XKSGKL-10-1000-8		8	0.462		462	7.29	1365	765	290	1100	540	
XKSGKL-10-1000-10		10	0.577		577	8.30	1475	795	290	1200	635	
XKSGKL-10-1000-12		12	0.693		693	9.26	1635	795	290	1400	730	
XKSGKL-10-1500-4	1500	4	0.154	37.5	346	5.41	1360	705	290	1100	520	两 垂 一 平
XKSGKL-10-1500-6		6	0.231		520	8.03	1435	745	290	1200	600	
XKSGKL-10-1500-8		8	0.308		693	9.50	1505	810	290	1300	715	
XKSGKL-10-1500-10		10	0.385		866	10.57	1635	810	290	1400	835	
XKSGKL-10-1500-12		12	0.462		1039	11.67	1685	810	290	1400	915	
XKSGKL-10-2000-4	2000	4	0.116	40	462	6.29	1405	735	290	1200	670	两 垂 一 平
XKSGKL-10-2000-6		6	0.173		693	9.32	1505	755	315	1300	720	
XKSGKL-10-2000-8		8	0.231		924	10.91	1600	805	315	1400	850	
XKSGKL-10-2000-10		10	0.289		1155	12.30	1645	810	315	1400	980	
XKSGKL-10-2000-12		12	0.346		1386	12.87	1695	850	315	1400	1090	
XKSGKL-10-2000-14		14	0.404		1617	17.68	1720	895	290	1550	1180	

Dry-type Air-core Current-limiting Reactor

10 kV series - aluminium

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

10kV系列（铝质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGKL-10-2500-6	2500	6	0.139	50	866	10.52	1565	785	315	1300	890	两 垂 一 平
XKSGKL-10-2500-8		8	0.185		1155	12.15	1585	820	315	1300	1070	
XKSGKL-10-2500-10		10	0.231		1443	13.68	1715	835	315	1500	1225	
XKSGKL-10-2500-12		12	0.277		1732	15.12	1785	865	315	1500	1355	
XKSGKL-10-2500-14		14	0.323		2021	19.13	1855	880	315	1600	1510	
XKSGKL-10-3000-6	3000	6	0.115	50	1039	11.45	1595	880	315	1300	1030	两 垂 一 平
XKSGKL-10-3000-8		8	0.154		1386	13.45	1715	925	315	1500	1215	
XKSGKL-10-3000-10		10	0.192		1732	15.23	1795	965	315	1500	1375	
XKSGKL-10-3000-12		12	0.231		2079	16.88	1875	1000	315	1600	1525	
XKSGKL-10-3000-14		14	0.269		2425	18.40	1940	1010	315	1700	1645	
XKSGKL-10-3500-6	3500	6	0.099	63	1212	12.41	1625	920	315	1100	1150	两 垂 一 平
XKSGKL-10-3500-8		8	0.132		1617	14.64	1755	960	315	1500	1325	
XKSGKL-10-3500-10		10	0.165		2021	16.64	1890	980	315	1600	1495	
XKSGKL-10-3500-12		12	0.198		2425	18.47	1955	1020	315	1700	1645	
XKSGKL-10-3500-14		14	0.231		2829	20.04	2005	1045	315	1800	1795	
XKSGKL-10-4000-6	4000	6	0.087	80	1386	13.18	1675	915	315	1400	1285	两 垂 一 平
XKSGKL-10-4000-8		8	0.115		1848	16.70	1825	970	315	1600	1470	
XKSGKL-10-4000-10		10	0.144		2309	19.08	1935	1020	315	1700	1625	
XKSGKL-10-4000-12		12	0.173		2771	21.08	2035	1055	315	1500	1815	
XKSGKL-10-4000-14		14	0.202		3233	23.23	2130	1085	315	1900	1945	
XKSGKL-10-5000-8	5000	8	0.092	80	2309	17.47	1865	905	315	1600	1690	两 垂 一 平
XKSGKL-10-5000-10		10	0.116		2887	19.81	1985	950	315	1700	1900	
XKSGKL-10-5000-12		12	0.139		3464	21.93	2065	990	315	1700	2125	
XKSGKL-10-5000-14		14	0.162		4042	24.09	2115	1015	315	1800	2290	

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Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

6 kV series - copper

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心限流电抗器

6kV系列（铜质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGK-6-600-4	600	4	0.231	15	83	2.47	1025	540	290	700	280	两 垂 一 平
XKSGK-6-600-6		6	0.346		125	3.11	1050	540	290	700	330	
XKSGK-6-600-8		8	0.462		166	3.57	1050	540	290	900	380	
XKSGK-6-600-10		10	0.577		208	4.05	1060	540	290	900	420	
XKSGK-6-600-12		12	0.693		250	4.48	1060	610	290	900	470	
XKSGK-6-800-4	800	4	0.173	20	111	2.87	1050	520	290	700	360	两 垂 一 平
XKSGK-6-800-6		6	0.260		166	3.60	1050	550	290	700	420	
XKSGK-6-800-8		8	0.346		221	4.20	1050	560	290	900	470	
XKSGK-6-800-10		10	0.433		277	4.70	1060	580	290	900	540	
XKSGK-6-800-12		12	0.520		332	5.24	1060	630	290	900	600	
XKSGK-6-1000-4	1000	4	0.139	25	139	3.27	1070	570	290	900	430	两 垂 一 平
XKSGK-6-1000-6		6	0.208		208	4.12	1120	580	290	900	500	
XKSGK-6-1000-8		8	0.277		277	4.92	1240	610	290	1000	580	
XKSGK-6-1000-10		10	0.346		346	5.53	1275	610	290	1100	640	
XKSGK-6-1000-12		12	0.416		416	6.19	1295	650	290	1100	690	
XKSGK-6-1500-4	1500	4	0.092	37.5	208	4.01	1075	580	290	900	520	两 垂 一 平
XKSGK-6-1500-6		6	0.139		312	5.13	1175	640	290	1000	630	
XKSGK-6-1500-8		8	0.185		416	6.09	1275	690	290	1100	730	
XKSGK-6-1500-10		10	0.231		520	7.25	1300	700	290	1100	800	
XKSGK-6-1500-12		12	0.277		624	8.04	1315	710	290	1100	880	
XKSGK-6-2000-4	2000	4	0.069	40	277	4.73	1130	640	290	1000	620	两 垂 一 平
XKSGK-6-2000-6		6	0.104		416	5.95	1230	660	290	1000	820	
XKSGK-6-2000-8		8	0.139		554	7.35	1280	710	290	1000	940	
XKSGK-6-2000-10		10	0.173		693	8.36	1380	720	290	1100	990	
XKSGK-6-2000-12		12	0.208		831	9.30	1430	750	290	1200	1120	
XKSGK-6-2000-14		14	0.242		970	10.13	1450	780	290	1200	1230	

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Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

6 kV series - copper

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

6kV系列（铜质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGK-6-2500-6	2500	6	0.083	50	520	7.02	1325	780	290	1200	890	两 垂 一 平
XKSGK-6-2500-8		8	0.111		693	8.20	1400	790	290	1200	1030	
XKSGK-6-2500-10		10	0.139		866	9.22	1460	800	290	1200	1140	
XKSGK-6-2500-12		12	0.166		1040	10.14	1490	800	290	1200	1250	
XKSGK-6-2500-14		14	0.194		1212	11.12	1610	800	290	1300	1360	
XKSGK-6-3000-6	3000	6	0.069	50	624	7.53	1310	790	290	1100	1000	两 垂 一 平
XKSGK-6-3000-8		8	0.092		831	8.84	1370	820	290	1100	1160	
XKSGK-6-3000-10		10	0.115		1038	9.96	1420	840	290	1200	1290	
XKSGK-6-3000-12		12	0.139		1248	11.82	1530	860	290	1300	1400	
XKSGK-6-3000-14		14	0.162		1455	13.02	1600	890	290	1300	1530	
XKSGK-6-3500-6	3500	6	0.059	63	728	8.63	1380	760	290	1100	1130	两 垂 一 平
XKSGK-6-3500-8		8	0.079		970	10.23	1500	790	290	1200	1290	
XKSGK-6-3500-10		10	0.099		1212	11.61	1580	830	290	1300	1460	
XKSGK-6-3500-12		12	0.119		1455	12.95	1660	860	290	1400	1610	
XKSGK-6-3500-14		14	0.139		1697	14.17	1730	890	290	1500	1740	
XKSGK-6-4000-6	4000	6	0.052	80	832	9.16	1320	810	290	1200	1240	两 垂 一 平
XKSGK-6-4000-8		8	0.069		1109	10.92	1490	810	290	1200	1410	
XKSGK-6-4000-10		10	0.087		1386	12.43	1590	840	290	1300	1590	
XKSGK-6-4000-12		12	0.104		1663	13.86	1690	860	290	1300	1730	
XKSGK-6-5000-14		14	0.121		1940	15.13	1760	880	290	1400	1900	
XKSGK-6-5000-8	5000	8	0.055	80	1386	12.25	1470	910	290	1300	1680	两 垂 一 平
XKSGK-6-5000-10		10	0.069		1732	13.97	1640	880	290	1400	1870	
XKSGK-6-5000-12		12	0.083		2078	15.66	1720	920	290	1500	2030	
XKSGK-6-5000-14		14	0.097		2425	17.00	1720	980	290	1500	2210	

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3、我公司保留更改数据的权利。

07

Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

10 kV series - copper

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心限流电抗器

10kV系列（铜质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGK-10-600-4	600	4	0.385	15	139	3.02	1015	525	290	800	365	两 垂 一 平
XKSGK-10-600-6		6	0.577		208	4.17	1110	555	290	900	440	
XKSGK-10-600-8		8	0.770		277	4.94	1210	590	290	1000	515	
XKSGK-10-600-10		10	0.962		347	5.60	1290	615	290	1000	580	
XKSGK-10-600-12		12	1.155		416	6.32	1370	645	290	1100	640	
XKSGK-10-800-4	800	4	0.289	20	185	3.67	1005	525	290	800	415	两 垂 一 平
XKSGK-10-800-6		6	0.433		277	4.66	1165	540	290	900	540	
XKSGK-10-800-8		8	0.577		370	5.55	1235	610	290	1000	660	
XKSGK-10-800-10		10	0.722		462	6.32	1315	640	290	1100	740	
XKSGK-10-800-12		12	0.866		554	7.42	1435	640	290	1200	785	
XKSGK-10-1000-4	1000	4	0.231	25	231	4.26	1175	575	290	900	525	两 垂 一 平
XKSGK-10-1000-6		6	0.346		346	5.42	1315	630	290	1100	645	
XKSGK-10-1000-8		8	0.462		462	6.47	1435	670	290	1200	730	
XKSGK-10-1000-10		10	0.577		577	7.41	1535	705	290	1300	830	
XKSGK-10-1000-12		12	0.693		693	8.28	1635	740	290	1400	950	
XKSGK-10-1500-4	1500	4	0.154	37.5	346	5.24	1180	615	290	900	645	两 垂 一 平
XKSGK-10-1500-6		6	0.231		520	6.66	1330	640	290	1100	790	
XKSGK-10-1500-8		8	0.308		693	7.88	1435	710	290	1200	910	
XKSGK-10-1500-10		10	0.385		866	9.32	1520	710	290	1300	1020	
XKSGK-10-1500-12		12	0.462		1039	10.40	1580	750	290	1300	1175	
XKSGK-10-2000-4	2000	4	0.116	40	462	6.14	1240	680	290	1100	810	两 垂 一 平
XKSGK-10-2000-6		6	0.173		693	7.75	1390	700	290	1100	975	
XKSGK-10-2000-8		8	0.231		924	9.66	1515	780	290	1300	1135	
XKSGK-10-2000-10		10	0.289		1155	11.05	1635	805	290	1400	1280	
XKSGK-10-2000-12		12	0.346		1386	12.34	1695	845	290	1400	1415	
XKSGK-10-2000-14		14	0.404		1617	15.66	1690	855	290	1550	1440	

Note: Data are standard reference values. For ordering, the confirmed technical agreement and final drawing shall prevail.

Dry-type Air-core Current-limiting Reactor

10 kV series - copper

English column key

Model | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase terminal voltage (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

10kV系列（铜质）

型 号	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (4s) (kA)	单相 容量 (kvar)	单相 损耗 75℃ (kW)	外形尺寸			底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
							Ds (mm)	H (mm)	h (mm)			
XKSGK-10-2500-6	2500	6	0.139	50	866	8.88	1495	755	290	1200	1155	两 垂 一 平
XKSGK-10-2500-8		8	0.185		1155	10.51	1635	810	290	1400	1400	
XKSGK-10-2500-10		10	0.231		1443	12.05	1730	840	290	1500	1555	
XKSGK-10-2500-12		12	0.277		1732	14.08	1845	905	290	1600	1750	
XKSGK-10-2500-14		14	0.323		2021	15.27	1935	905	290	1700	1900	
XKSGK-10-3000-6	3000	6	0.115	50	1039	10.11	1470	785	290	1200	1340	两 垂 一 平
XKSGK-10-3000-8		8	0.154		1386	11.92	1590	830	290	1300	1560	
XKSGK-10-3000-10		10	0.192		1732	13.42	1655	955	290	1400	1765	
XKSGK-10-3000-12		12	0.231		2079	14.88	1735	880	290	1500	1925	
XKSGK-10-3000-14		14	0.269		2425	16.31	1795	910	290	1500	2115	
XKSGK-10-3500-6	3500	6	0.099	63	1212	11.25	1580	845	290	1300	1445	两 垂 一 平
XKSGK-10-3500-8		8	0.132		1617	13.22	1685	865	290	1400	1700	
XKSGK-10-3500-10		10	0.165		2021	14.84	1750	890	290	1500	1950	
XKSGK-10-3500-12		12	0.198		2425	16.37	1795	905	290	1500	2150	
XKSGK-10-3500-14		14	0.231		2829	17.76	1895	930	290	1600	2340	
XKSGK-10-4000-6	4000	6	0.087	80	1386	11.78	1540	820	290	1300	1810	两 垂 一 平
XKSGK-10-4000-8		8	0.115		1848	13.81	1660	850	290	1400	1890	
XKSGK-10-4000-10		10	0.144		2309	15.60	1725	890	290	1500	2135	
XKSGK-10-4000-12		12	0.173		2771	17.18	1790	910	290	1500	2455	
XKSGK-10-4000-14		14	0.202		3233	18.71	1840	975	290	1600	2670	
XKSGK-10-5000-8	5000	8	0.092	80	2309	18.69	1710	950	290	1550	1880	两 垂 一 平
XKSGK-10-5000-10		10	0.116		2887	20.39	1740	965	290	1600	2295	
XKSGK-10-5000-12		12	0.139		3464	22.67	1740	1065	290	1600	2640	
XKSGK-10-5000-14		14	0.162		4042	24.16	1910	1000	290	1750	2700	

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09

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Product features

A multi-tap reactor can be supplied, integrating single-capacity and multiple-capacity functions in one unit. It can automatically switch to match different capacitor-compensation capacities.

Application

Used in shunt capacitor installations and connected in series with the capacitor bank. It suppresses harmonic amplification, reduces system voltage distortion and limits closing inrush current when capacitor banks are switched.

Model designation

CKGKL - rated reactance (%) / system voltage (kV) / rated capacitor-bank capacity or tap capacity (kvar).

Conductor material: 'AL' indicates aluminium; copper is not marked. Air-core / dry-type / series reactor.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007; DL 462-1992; JB/T 5346-2014.

Service conditions

Indoor or outdoor installation; altitude up to 1000 m; ambient temperature -25°C to +45°C; relative humidity up to 95% at 25°C; seismic intensity up to Grade 8.

Information required for ordering

1. Rated capacity
2. Rated voltage
3. Rated reactance (%) or rated reactance/inductance
4. Installation arrangement (horizontal or stacked)
5. Service environment
6. Outgoing-terminal angle
7. Any other contractually required data

Dry-type Air-core Series Reactor

6 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions D_s / H / h (mm) | Ground clearance D_c (mm) | Single-phase weight (kg) | Recommended installation method

6kV系列（铝质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 D_c (mm)	单相 重量 (kg)	建议 安装 方式
									D_s (mm)	H (mm)			
CKGKL-20/6	1000	6	87.5	6	2.614	1.46	20	1.85	930	820	700	125	水平
CKGKL-24/6	1200		105.0		2.178	1.75	24	2.10	970	850	750	135	
CKGKL-30/6	1500		131.2		1.743	2.19	30	2.41	1000	950	750	150	
CKGKL-32/6	1600		140.0		1.634	2.33	32	2.54	1000	965	750	150	
CKGKL-36/6	1800		157.5		1.452	2.62	36	2.74	1020	1020	800	160	
CKGKL-48/6	2400		209.9		1.089	3.50	48	2.41	890	835	600	185	
CKGKL-54/6	2700		236.2		0.968	3.94	54	2.56	900	835	650	200	
CKGKL-60/6	3000		262.4		0.871	4.37	60	2.76	990	850	700	205	
CKGKL-72/6	3600		314.9		0.726	5.25	72	3.18	1055	880	750	225	
CKGKL-80/6	4000		349.9		0.653	5.83	80	3.39	1075	915	750	235	
CKGKL-84/6	4200		367.4		0.622	6.12	84	3.50	1075	950	750	245	
CKGKL-90/6	4500		393.6		0.581	6.56	90	3.48	1045	915	700	245	
CKGKL-96/6	4800		419.9		0.545	7.00	96	3.58	1095	920	750	250	

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3、我公司保留更改数据的权利。

Dry-type Air-core Series Reactor

10 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心串联电抗器

10kV系列（铝质）

型 号	并联 电容器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
									Ds (mm)	H (mm)			
CKGKL-1.2/10	60	10	3.2	6	121.007	0.05	1.2	0.06	915	855	670	175	水平
CKGKL-4/10	200		10.5		36.302	0.18	4	0.35	905	655	670	120	
CKGKL-8/10	400		21.0		18.151	0.35	8	0.85	835	545	600	100	
CKGKL-24/10	1200		63.0		6.050	1.05	24	1.68	915	625	620	135	
CKGKL-30/10	1500		78.7		4.840	1.31	30	1.73	920	640	600	155	
CKGKL-36/10	1800		94.5		4.034	1.58	36	1.79	925	650	620	170	
CKGKL-42/10	2100		110.2		3.457	1.84	42	2.16	950	635	600	170	
CKGKL-48/10	2400		126.0		3.025	2.10	48	1.97	915	615	550	195	
CKGKL-54/10	2700		141.7		2.689	2.36	54	2.61	990	800	700	195	
CKGKL-60/10	3000		157.5		2.420	2.62	60	2.80	1005	845	700	230	
CKGKL-66/10	3300		173.2		2.200	2.89	66	3.24	1015	805	650	200	
CKGKL-72/10	3600		189.0		2.017	3.15	72	3.39	1015	860	680	240	
CKGKL-80/10	4000		209.9		1.815	3.50	80	3.67	1035	875	700	220	
CKGKL-84/10	4200		220.4		1.729	3.67	84	3.79	1035	900	700	250	
CKGKL-90/10	4500		236.2		1.613	3.94	90	4.06	1060	905	700	235	
CKGKL-96/10	4800		251.9		1.513	4.20	96	4.25	1060	935	700	245	
CKGKL-100/10	5000		262.4		1.452	4.37	100	3.79	1050	880	680	285	
CKGKL-108/10	5400		283.4		1.345	4.72	108	3.86	1045	915	700	275	
CKGKL-120/10	6000		314.9		1.210	5.25	120	4.26	1070	920	700	305	
CKGKL-132/10	6600		346.4		1.100	5.77	132	4.20	1050	975	700	305	
CKGKL-140/10	7000		367.4		1.037	6.12	140	4.45	1075	970	700	340	
CKGKL-144/10	7200		377.9		1.008	6.30	144	4.57	1075	990	700	345	
CKGKL-156/10	7800		409.4		0.931	6.82	156	4.86	1100	905	700	340	
CKGKL-160/10	8000		419.9		0.908	7.00	160	4.85	1100	925	700	350	
CKGKL-168/10	8400		440.9		0.864	7.35	168	5.05	1100	965	700	360	
CKGKL-180/10	9000		472.4		0.807	7.87	180	5.22	1170	935	750	370	
CKGKL-192/10	9600		503.9		0.756	8.40	192	5.46	1170	965	750	385	
CKGKL-200/10	10000		524.9		0.726	8.75	200	5.51	1170	980	770	390	
CKGKL-240/10	12000		629.8		0.605	10.50	240	5.95	1155	1000	1000	435	
CKGKL-288/10	14400		755.8		0.504	12.60	288	6.85	1125	1000	1100	470	
CKGKL-336/10	16800		881.8		0.432	14.70	336	7.78	1205	1020	1100	510	
CKGKL-504/10	25200		1322.6		0.288	22.04	504	8.75	1285	1100	1100	690	

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3、我公司保留更改数据的权利。

Note: Standard reference data only. Actual dimensions and technical parameters are subject to the confirmed order and final design.

Dry-type Air-core Series Reactor

35 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

35kV系列（铝质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
									Ds (mm)	H (mm)			
CKGKL-60/35	3000	35	45.5	6	29.040	0.76	60	2.78	975	885	670	215	水平
CKGKL-72/35	3600		54.6		24.200	0.91	72	3.84	1000	1085	700	225	
CKGKL-80/35	4000		60.6		21.780	1.01	80	3.35	1005	1020	700	270	
CKGKL-84/35	4200		63.6		20.743	1.06	84	3.86	1055	1080	750	270	
CKGKL-90/35	4500		68.2		19.360	1.14	90	3.93	1055	1070	750	280	
CKGKL-96/35	4800		72.7		18.150	1.21	96	3.87	1045	1080	750	295	
CKGKL-100/35	5000		75.8		17.424	1.26	100	4.06	995	1035	650	295	
CKGKL-108/35	5400		81.8		16.133	1.36	108	3.99	1070	1070	750	310	
CKGKL-120/35	6000		90.9		14.520	1.52	120	4.10	1095	1080	750	335	
CKGKL-132/35	6600		100.0		13.200	1.67	132	4.30	1005	1075	650	350	
CKGKL-140/35	7000		106.1		12.446	1.77	140	4.27	1085	965	700	355	
CKGKL-144/35	7200		109.1		12.100	1.82	144	4.40	1010	1080	650	370	
CKGKL-156/35	7800		118.2		11.169	1.97	156	4.40	1090	980	700	380	
CKGKL-160/35	8000		121.2		10.890	2.02	160	4.54	1015	1085	650	375	
CKGKL-168/35	8400		127.3		10.371	2.12	168	4.52	1090	980	700	395	
CKGKL-180/35	9000		136.4		9.680	2.27	180	5.37	1145	950	700	370	
CKGKL-192/35	9600		145.5		9.075	2.42	192	5.08	1100	955	650	400	
CKGKL-200/35	10000		151.5		8.712	2.53	200	5.49	1130	925	950	410	
CKGKL-240/35	12000		181.8		7.260	3.03	240	6.12	1180	835	1000	425	
CKGKL-288/35	14400		218.2		6.050	3.64	288	7.09	1275	145	850	490	
CKGKL-320/35	16000		242.5		5.445	4.04	320	7.04	1265	1125	850	530	
CKGKL-336/35	16800		254.6		5.186	4.24	336	7.26	1285	1130	850	545	
CKGKL-360/35	18000		272.7		4.840	4.55	360	8.93	1410	1060	1250	500	
CKGKL-400/35	20000		303.0		4.356	5.05	400	8.82	1370	1050	1250	530	
CKGKL-480/35	24000		363.7		3.630	6.06	480	8.73	1285	1190	750	675	
CKGKL-504/35	25200		381.8		3.457	6.36	504	10.35	1390	1080	1200	610	
CKGKL-600/35	30000		454.6		2.904	7.58	600	11.36	1385	1100	1200	680	
CKGKL-800/35	40000		606.1		2.178	10.10	800	13.22	1450	1155	1250	800	

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Dry-type Air-core Series Reactor

6 kV series - copper

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心串联电抗器

6kV系列（铜质）

型 号	并联 电容器组 容量 (kvar)	电 容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
									Ds (mm)	H (mm)			
CKGK-20/6	1000	6	87.5	6	2.614	1.46	20	1.46	825	800	700	180	水平
CKGK-24/6	1200		105.0		2.178	1.75	24	1.67	875	800	700	185	
CKGK-30/6	1500		131.2		1.743	2.19	30	1.91	925	870	800	205	
CKGK-32/6	1600		140.0		1.634	2.33	32	2.01	925	890	800	210	
CKGK-36/6	1800		157.5		1.452	2.62	36	2.20	955	900	800	220	
CKGK-48/6	2400		209.9		1.089	3.50	48	1.97	830	715	700	250	
CKGK-54/6	2700		236.2		0.968	3.94	54	2.12	880	710	700	260	
CKGK-60/6	3000		262.4		0.871	4.37	60	2.25	930	725	800	275	
CKGK-72/6	3600		314.9		0.726	5.25	72	2.19	810	720	700	295	
CKGK-80/6	4000		349.9		0.653	5.83	80	2.35	860	725	700	310	
CKGK-84/6	4200		367.4		0.622	6.12	84	2.42	890	715	750	320	
CKGK-90/6	4500		393.6		0.581	6.56	90	2.53	910	730	750	330	
CKGK-96/6	4800		419.9		0.545	7.00	96	2.66	930	750	750	340	
CKGK-120/6	6000		524.8		0.436	8.75	120	3.47	960	810	800	380	
CKGK-240/6	12000		1049.7		0.218	17.50	240	5.00	1125	860	1000	580	
CKGK-312/6	15600		1364.6		0.168	22.74	312	5.90	1190	810	1000	670	

- 注：1、如有特殊要求，订货时请提出。
2、以上数据仅供参考，订货时以实际外形尺寸为准。
3、我公司保留更改数据的权利。

Dry-type Air-core Series Reactor

10 kV series - copper

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

10kV系列（铜质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
									Ds (mm)	H (mm)			
CKGK-1.2/10	60	10	3.2	6	121.007	0.05	1.2	0.04	925	790	750	325	水平
CKGK-4/10	200		10.5		36.302	0.18	4	0.21	915	580	750	195	
CKGK-8/10	400		21.0		18.151	0.35	8	0.55	840	545	700	155	
CKGK-24/10	1200		63.0		6.050	1.05	24	1.45	870	580	700	175	
CKGK-30/10	1500		78.7		4.840	1.31	30	1.51	875	585	700	195	
CKGK-36/10	1800		94.5		4.034	1.58	36	1.58	890	585	750	216	
CKGK-42/10	2100		110.2		3.457	1.84	42	1.63	900	580	750	235	
CKGK-48/10	2400		126.0		3.025	2.10	48	1.67	905	605	750	260	
CKGK-54/10	2700		141.7		2.689	2.36	54	1.95	990	755	850	295	
CKGK-60/10	3000		157.5		2.420	2.62	60	2.27	990	715	850	295	
CKGK-66/10	3300		173.2		2.200	2.89	66	2.41	990	735	850	295	
CKGK-72/10	3600		189.0		2.017	3.15	72	2.56	990	755	850	295	
CKGK-80/10	4000		209.9		1.815	3.50	80	2.77	1035	770	850	315	
CKGK-84/10	4200		220.4		1.729	3.67	84	2.85	1035	800	850	345	
CKGK-90/10	4500		236.2		1.613	3.94	90	2.98	1035	825	850	360	
CKGK-96/10	4800		251.9		1.513	4.20	96	3.09	1095	810	950	365	
CKGK-100/10	5000		262.4		1.452	4.37	100	3.19	1095	820	950	375	
CKGK-108/10	5400		283.4		1.345	4.72	108	3.03	1045	715	900	385	
CKGK-120/10	6000		314.9		1.210	5.25	120	3.25	1045	755	900	405	
CKGK-132/10	6600		346.4		1.100	5.77	132	3.46	1045	790	900	425	
CKGK-140/10	7000		367.4		1.037	6.12	140	3.66	1070	800	900	435	
CKGK-144/10	7200		377.9		1.008	6.30	144	3.46	1040	700	900	435	
CKGK-156/10	7800		409.4		0.931	6.82	156	3.64	1040	725	900	455	
CKGK-160/10	8000		419.9		0.908	7.00	160	3.69	1040	740	900	465	
CKGK-168/10	8400		440.9		0.864	7.35	168	3.81	1040	755	900	475	
CKGK-180/10	9000		472.4		0.807	7.87	180	4.13	1075	770	900	485	
CKGK-192/10	9600		503.9		0.756	8.40	192	3.99	1070	685	900	500	
CKGK-200/10	10000		524.9		0.726	8.75	200	4.08	1070	695	900	506	
CKGK-240/10	12000		629.8		0.605	10.50	240	4.84	1120	745	950	550	
CKGK-288/10	14400		755.8		0.504	12.60	288	5.03	1125	775	950	625	
CKGK-336/10	16800		881.8		0.432	14.70	336	5.83	1185	810	1050	755	
CKGK-504/10	25200		1322.6		0.288	22.04	504	7.52	1185	1030	1050	950	

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Dry-type Air-core Series Reactor

35 kV series - copper

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Short-time current (kA) | Single-phase capacity (kvar) | Single-phase voltage drop (kV) | Overall dimensions Ds / H / h (mm) | Ground clearance Dc (mm) | Single-phase weight (kg) | Recommended installation method

干式空心串联电抗器

35kV系列（铜质）

型 号	并联 电容器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗率 (%)	额定 电抗 (Ω)	短时 电流 (kA)	单相 容量 (kvar)	单相 损耗 (kW)	外形尺寸		底角 中径 Dc (mm)	单相 重量 (kg)	建议 安装 方式
									Ds (mm)	H (mm)			
CKGK-60/35	3000	35	45.5	6	29.040	0.76	60	2.61	1010	940	850	280	水平
CKGK-72/35	3600		54.6		24.200	0.91	72	2.93	990	1035	850	320	
CKGK-80/35	4000		60.6		21.780	1.01	80	3.30	990	970	850	300	
CKGK-84/35	4200		63.6		20.743	1.06	84	3.31	990	990	850	320	
CKGK-90/35	4500		68.2		19.360	1.14	90	3.36	990	1000	850	340	
CKGK-96/35	4800		72.7		18.150	1.21	96	3.53	1000	970	850	360	
CKGK-100/35	5000		75.8		17.424	1.26	100	3.46	1000	990	850	360	
CKGK-108/35	5400		81.8		16.133	1.36	108	3.47	1000	1020	850	380	
CKGK-120/35	6000		90.9		14.520	1.52	120	3.64	1010	1010	850	410	
CKGK-132/35	6600		100.0		13.200	1.67	132	3.65	1000	1020	850	430	
CKGK-140/35	7000		106.1		12.446	1.77	140	3.72	1040	1000	850	460	
CKGK-144/35	7200		109.1		12.100	1.82	144	3.75	1040	1000	850	470	
CKGK-156/35	7800		118.2		11.169	1.97	156	3.76	1040	1015	850	500	
CKGK-168/35	8400		127.3		10.371	2.12	168	3.88	950	1000	850	520	
CKGK-180/35	9000		136.4		9.680	2.27	180	3.93	990	955	850	530	
CKGK-192/35	9600		145.5		9.075	2.42	192	4.13	1010	950	850	540	
CKGK-200/35	10000		151.5		8.712	2.53	200	4.17	1010	955	850	550	
CKGK-240/35	12000		181.8		7.260	3.03	240	5.76	1300	1215	1100	620	
CKGK-288/35	14400		218.2		6.050	3.64	288	5.93	1290	1050	1100	660	
CKGK-320/35	16000		242.5		5.445	4.04	320	6.32	1290	1140	1100	710	
CKGK-336/35	16800		254.6		5.186	4.24	336	6.52	1290	1170	1100	730	
CKGK-360/35	18000		272.7		4.840	4.55	360	6.25	1260	1030	1100	750	
CKGK-400/35	20000		303.0		4.356	5.05	400	6.90	1280	1075	1100	800	
CKGK-480/35	24000		363.7		3.630	6.06	480	7.77	1290	1175	1100	940	
CKGK-504/35	25200		381.8		3.457	6.36	504	7.98	1290	1205	1100	980	
CKGK-600/35	30000		454.6		2.904	7.58	600	8.61	1290	1130	1100	1040	
CKGK-800/35	40000		606.1		2.178	10.10	800	10.06	1290	1230	1100	1240	

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Product features

Multi-layer encapsulated parallel-winding structure with multiple small-cross-section conductors in parallel. Different tuning arrangements are available; the inductance can be adjusted by taps where required.

Application

Used in harmonic-filter branches to reduce harmonic currents and voltage distortion. Together with shunt capacitors, it forms a tuned filter branch that absorbs specified harmonic currents while providing reactive-power compensation.

Model designation

LKGKL - rated inductance (mH) / rated current (A) / system voltage (kV).

Conductor material: aluminium suffix as specified; air-core / dry-type / filter reactor.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007.

Service conditions

Indoor or outdoor installation; altitude up to 1000 m; ambient temperature -25°C to +45°C; relative humidity up to 95% at 25°C; seismic intensity up to Grade 8.

Information required for ordering

1. System/rated voltage
2. Rated current, including harmonic-current requirement
3. Rated inductance
4. Tap/tuning arrangement
5. Service environment
6. Outgoing-terminal angle
7. Terminal orientation
8. Other data required by the project or contract

Dry-type Air-core Filter Reactor

6 kV / 10 kV / 35 kV series - aluminium

English column key

Model | System voltage (kV) | Rated current (A) | Rated inductance (mH) | Single-phase capacity (kvar) | Short-time current (kA) | Inductance adjustment range (%) | Overall dimensions Ds / H (mm) | Ground clearance Dc (mm) | Weight (kg) | Recommended installation / tuning arrangement

干式空心滤波电抗器

6kV、10kV、35kV系列（铝质）

型 号	系统电压 (kV)	额定电流 (A)	额定电感 (mH)	单相容量 (kvar)	短时电流 (kA)	电感调整范围 (%)	外形尺寸		底角中径 Dc (mm)	重量 (kg)	建议安装方式及调感方式
							Ds (mm)	H (mm)			
LKGKL-6-200-0.66	6	200	0.66	8.3	5.0	±5	830	590	600	140	水平 调匝 调感
LKGKL-6-156-1.88		156	1.88	14.4	3.9	±5	835	620	600	195	
LKGKL-6-162-3.7		162	3.70	30.5	4.1	±5	895	620	600	250	
LKGKL-10-66-2.6	10	66	2.60	3.6	1.7	±5	845	560	600	130	
LKGKL-10-66-6.43		66	6.43	8.8	1.7	±5	845	780	600	200	
LKGKL-10-66-12.86		66	12.86	17.6	1.7	±5	930	830	700	230	
LKGKL-35-110-13.38	35	110	13.38	50.9	2.8	±5	1005	960	800	400	
LKGKL-35-110-26.8		110	26.80	101.9	2.8	±5	935	910	700	610	
LKGKL-35-210-46.8		210	46.80	648.4	5.3	±5	1260	1150	1000	1640	
LKGKL-6-1259-0.58	6	1259	0.58	288.8	31.5	±5	1195	525	1000	1040	水平 调匝 调感
LKGKL-10-419.9-2.9	10	420	2.90	160.6	10.5	±5	1270	520	1000	740	
LKGKL-10-472-2.57		472	2.57	179.9	11.8	±5	1295	530	1000	750	
LKGKL-10-755-1.61		755	1.61	288.3	18.9	±5	1195	525	1000	1070	
LKGKL-10-1039-1.06		1039	1.06	359.5	26.0	±5	1200	520	1000	1280	
LKGKL-10-1386-0.8		1386	0.80	482.8	34.7	±5	1260	560	1000	1620	
LKGKL-35-95-54.78	35	95	54.78	116.4	1.4	±5	1190	645	1000	870	
LKGKL-35-105-99.6		105	99.60	128.6	2.5	±5	1120	895	1000	1320	
LKGKL-35-396-9.75		396	9.75	480.3	9.9	±5	1270	620	1000	1490	
LKGKL-35-454-8.71		454	8.71	564.0	11.4	±5	1395	620	1000	1610	

注：滤波电抗器的参数选取需根据实际工程的系统电压、谐波特点和谐波含量而定，因此滤波电抗器不能形成系列，表中仅列出我公司小部分曾制造过的滤波电抗器，供参考。

Product features

Multi-layer encapsulated parallel-winding construction gives uniform impulse-voltage distribution and reliable insulation. Resin-impregnated glass fibre is cured into FRP to increase short-circuit strength. Multiple small-cross-section conductors are wound in parallel for low losses and maintenance-free operation.

Application

Used in SVG systems together with power-electronic converter equipment. The reactor limits short-circuit current and absorbs harmonic current on the AC side of the converter, supporting dynamic reactive-power compensation.

Model designation

SVG - rated inductance (mH) / rated current (A) / system voltage (kV) / connection-reactor designation.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007.

Service conditions

Indoor or outdoor installation; altitude up to 1000 m; ambient temperature -25°C to +45°C; relative humidity up to 95% at 25°C; seismic intensity up to Grade 8.

Information required for ordering

1. System voltage
2. Rated current
3. Rated inductance
4. Installation arrangement (horizontal or stacked)
5. Service environment
6. Outgoing-terminal angle
7. Other required data

Dry-type Air-core SVG Reactor

35 kV series - aluminium

English column key

Model | System voltage (kV) | Rated current (A) | Rated inductance (mH) | Single-phase capacity (kvar) | Short-time current (kA) | Overall dimensions Ds / H (mm) | Ground clearance Dc (mm) | Weight (kg) | Recommended installation method

干式空心SVG电抗器

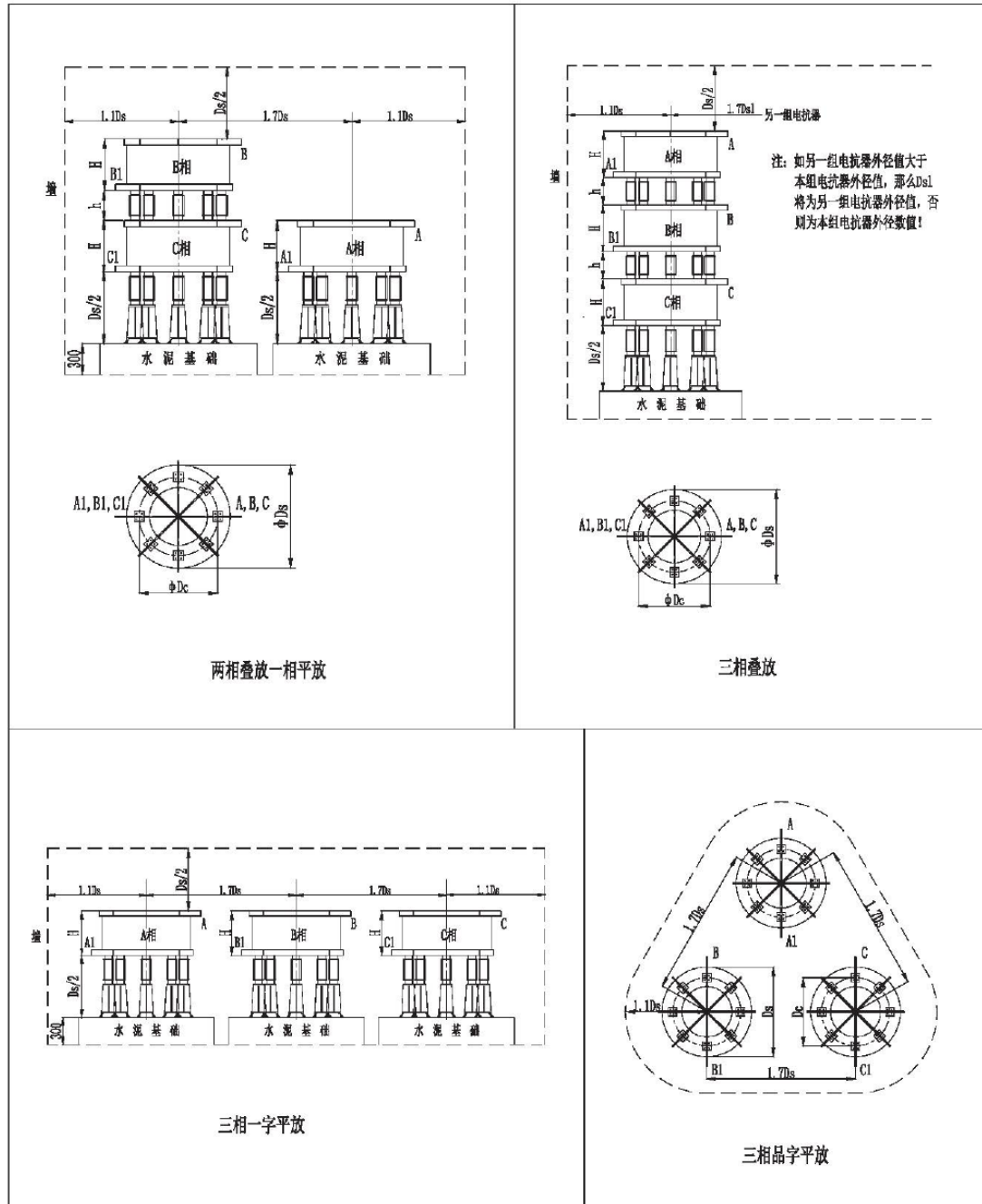
35kV (铝质)

型 号	系统电压 (kV)	额定 电流 (A)	额定 电感 (mH)	单相 容量 (kvar)	短时 电流 (kA)	外形尺寸		底角 中径 Dc (mm)	重量 (kg)	建议 安装 方式
						Ds (mm)	H (mm)			
SVG-35-99-32.5	35	99	32.5	100.1	2.5	1185	770	850	540	水平
SVG-35-115-28		115	28	116.3	2.9	1185	870	850	585	
SVG-35-156-21.8		156	21.8	166.7	3.9	1155	1130	850	750	
SVG-35-231-13.9		231	13.9	233.0	5.8	1225	1000	850	850	
SVG-35-247-13		247	13	249.2	6.2	1225	920	850	900	
SVG-35-264-12.2		264	12.2	267.1	6.6	1225	1080	850	950	
SVG-35-280-11.5		280	11.5	283.2	7.0	1245	1100	850	1000	
SVG-35-297-10.8		297	10.8	299.3	7.4	1270	1140	850	1035	
SVG-35-313-10.3		313	10.3	317.0	7.8	1270	1150	850	1050	
SVG-35-330-9.8		330	9.8	335.3	8.3	1290	1000	850	1080	
SVG-35-346-9.3		346	9.3	349.8	8.7	1290	1020	850	1100	
SVG-35-363-8.9		363	8.9	368.4	9.1	1290	1050	850	1125	
SVG-35-379-8.5		379	8.5	383.6	9.5	1290	1080	850	1160	
SVG-35-396-8.1		396	8.1	399.0	9.9	1310	1090	850	1210	
SVG-35-412-7.8		412	7.8	415.9	10.3	1310	1120	850	1260	
SVG-35-495-6.5		495	6.5	500.4	12.4	1310	1090	850	1340	
SVG-35-577-5.6		577	5.6	585.7	14.4	1330	1190	850	1440	
SVG-35-660-4.9		660	4.9	670.6	16.5	1375	1240	850	1540	

注：SVG电抗器的参数选取需根据实际工程而定，故不能形成系列，表中仅列出我公司小部分曾制造过的SVG电抗器，供参考。

Dry-type Air-core Reactor Installation Dimensions

Typical three-phase horizontal / stacked arrangements

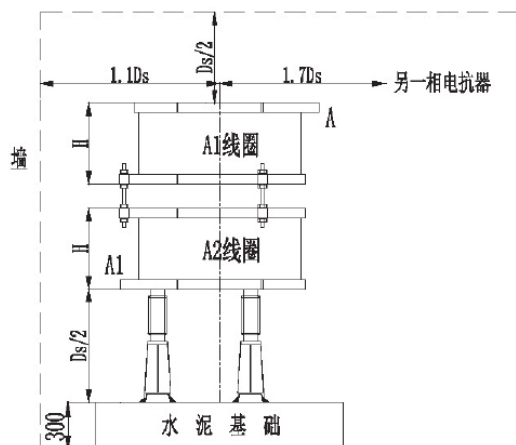


Dry-type Air-core Reactor Installation Dimensions

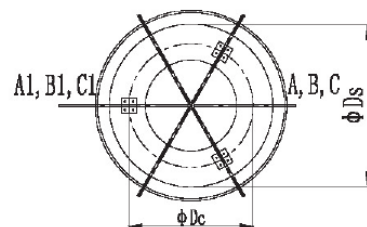
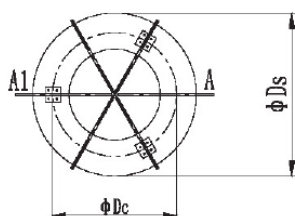
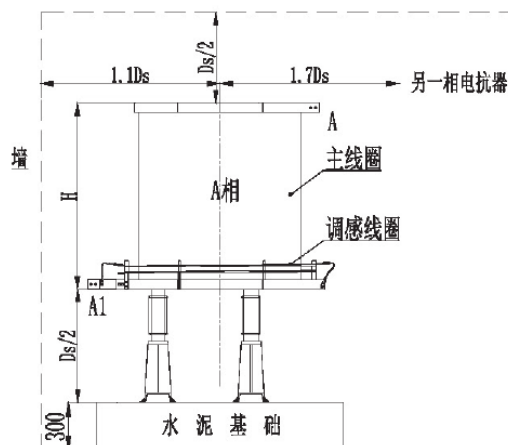
Single-phase and stacked installation clearances

干式空心电抗器安装尺寸

一对线圈调距调感



线圈调匝调感



Product features

The iron core is made from high-permeability grain-oriented silicon-steel laminations with a stepped-lap structure. Insulating clamping components and optimized core construction reduce noise. The winding uses high-quality conductor and Class-H insulation materials and is treated by vacuum-pressure impregnation and curing, providing low loss, low noise and strong short-circuit withstand capability.

Application

Connected in series with shunt capacitor banks. It suppresses harmonic resonance and amplification, reduces harmonic current and voltage, limits capacitor-bank switching inrush current and improves the voltage waveform.

Model designation

CKSC - rated reactance (%) / system voltage (kV) / rated capacity (kvar).

Conductor material: suffix 'L' = aluminium; copper is not marked. Moulded solid / three-phase / iron-core series reactor.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007; DL 462-1992; JB/T 5346-2014.

Service conditions

Indoor installation; altitude up to 1000 m; ambient temperature -25°C to +45°C; relative humidity up to 95% at 25°C; surrounding area free of flammable and explosive materials.

Information required for ordering

1. Rated capacity
2. Rated voltage
3. Rated reactance (%)
4. Rated current
5. Cooling method
6. Incoming/outgoing terminal angle
7. Other data required in the contract

Dry-type Iron-core Series Reactor

6 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Rated capacity (kvar) | Three-phase loss (kW) | Overall dimensions L / W / H / L1 / W1 (mm) | Weight (kg)

干式铁心串联电抗器

6kV系列（铝质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗 率 (%)	额定 电抗 (Ω)	额定 容量 (kvar)	三相 损耗 (kW)	外形尺寸 (mm)					重量 (kg)
								L	W	H	L1	W1	
CKSCL-6/6-6%	100	6	8.7	6	26.1	6	0.304	710	340	700	480	300	140
CKSCL-9/6-6%	150		13.1		17.4	9	0.474	710	340	700	480	300	140
CKSCL-12/6-6%	200		17.5		13.1	12	0.532	710	340	710	480	300	150
CKSCL-15/6-6%	250		21.9		10.5	15	0.593	710	340	720	480	300	160
CKSCL-18/6-6%	300		26.2		8.7	18	0.674	710	340	730	480	300	170
CKSCL-24/6-6%	400		35.0		6.5	24	0.847	710	340	780	480	300	190
CKSCL-30/6-6%	500		43.7		5.2	30	0.903	710	340	840	480	300	210
CKSCL-36/6-6%	600		52.5		4.4	36	1.108	940	440	830	320	400	220
CKSCL-42/6-6%	700		61.2		3.7	42	1.183	940	440	830	320	400	230
CKSCL-48/6-6%	800		70.0		3.3	48	1.331	980	480	810	660	420	280
CKSCL-54/6-6%	900		78.7		2.9	54	1.457	980	480	910	660	420	310
CKSCL-60/6-6%	1000		87.5		2.6	60	1.449	980	480	930	660	420	420
CKSCL-72/6-6%	1200		105.0		2.2	72	1.563	980	480	960	660	420	460
CKSCL-84/6-6%	1400		122.5		1.9	84	1.943	980	480	1030	660	420	520
CKSCL-90/6-6%	1500		131.2		1.7	90	2.141	980	480	1070	660	420	540
CKSCL-108/6-6%	1800		157.5		1.5	108	2.256	980	480	1070	660	420	580
CKSCL-120/6-6%	2000		174.9		1.3	120	2.412	980	480	1170	660	420	640
CKSCL-144/6-6%	2400		209.9		1.1	144	3.217	1200	530	1230	760	480	700
CKSCL-162/6-6%	2700		236.2		1.0	162	3.474	1200	530	1320	760	480	730
CKSCL-180/6-6%	3000		262.4		0.9	180	3.849	1200	530	1410	760	480	810
CKSCL-200/6-6%	3333		291.6		0.8	200	4.112	1300	660	1190	880	530	880
CKSCL-216/6-6%	3600		314.9		0.7	216	4.237	1300	660	1230	880	530	930
CKSCL-240/6-6%	4000		349.9		0.7	240	4.364	1300	660	1290	880	530	1090
CKSCL-270/6-6%	4500		393.6		0.6	270	4.633	1400	700	1250	920	570	1200
CKSCL-288/6-6%	4800		419.9		0.5	288	4.795	1400	700	1290	920	570	1250
CKSCL-300/6-6%	5000		437.4		0.5	300	4.878	1400	700	1330	920	570	1280
CKSCL-360/6-6%	6000		524.8		0.4	360	4.796	1600	770	1250	1060	640	1500
CKSCL-480/6-6%	8000		699.8		0.3	480	4.863	1600	770	1370	1060	640	1650
CKSCL-520/6-6%	8667		758.1		0.3	520	4.889	1600	770	1450	1060	640	1750

注：1、以上数据仅供设计部门参考，订货时以实际尺寸为准。

2、如有特殊要求订货时请提出。

Dry-type Iron-core Series Reactor

10 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Rated capacity (kvar) | Three-phase loss (kW) | Overall dimensions L / W / H / L1 / W1 (mm) | Weight (kg)

10kV系列（铝质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗 率 (%)	额定 电抗 (Ω)	额定 容量 (kvar)	三相 损耗 (kW)	外形尺寸 (mm)					重量 (kg)
								L	W	H	L1	W1	
CKSCL-6/10-6%	100	10	10.5	6	18.2	6	0.402	720	340	760	500	300	150
CKSCL-9/10-6%	150		15.7		12.2	9	0.595	720	340	760	500	300	150
CKSCL-12/10-6%	200		20.9		9.1	12	0.709	720	340	760	500	300	160
CKSCL-15/10-6%	250		26.2		7.3	15	0.837	720	340	830	500	300	170
CKSCL-18/10-6%	300		31.4		6.1	18	0.901	720	340	820	500	300	180
CKSCL-24/10-6%	400		41.9		4.6	24	1.058	720	340	920	500	300	200
CKSCL-30/10-6%	500		52.4		3.6	30	1.279	720	340	1050	500	300	220
CKSCL-36/10-6%	600		62.8		3.0	36	1.551	940	440	830	640	400	240
CKSCL-42/10-6%	700		73.3		2.6	42	1.553	940	440	850	640	400	250
CKSCL-48/10-6%	800		83.8		2.3	48	1.716	940	440	920	640	400	300
CKSCL-54/10-6%	900		94.2		2.0	54	1.888	940	440	990	640	400	330
CKSCL-60/10-6%	1000		104.7		1.8	60	1.991	1010	460	960	700	420	440
CKSCL-72/10-6%	1200		125.7		1.5	72	2.008	1010	460	990	700	420	480
CKSCL-84/10-6%	1400		146.6		1.3	84	3.142	1130	510	1070	780	470	540
CKSCL-90/10-6%	1500		157.1		1.2	90	3.248	1130	510	1120	780	470	560
CKSCL-108/10-6%	1800		188.5		1.0	108	3.298	1150	540	1090	780	470	600
CKSCL-120/10-6%	2000		209.4		0.9	120	3.462	1150	540	1170	780	470	660
CKSCL-144/10-6%	2400		251.3		0.8	144	4.026	1150	540	1290	780	470	720
CKSCL-162/10-6%	2700		282.7		0.7	162	4.396	1300	670	1120	880	530	750
CKSCL-180/10-6%	3000		314.1		0.6	180	4.731	1300	670	1200	880	530	830
CKSCL-200/10-6%	3333		349.0		0.5	200	5.174	1300	670	1290	880	530	900
CKSCL-216/10-6%	3600		377.0		0.5	216	5.326	1300	670	1350	880	530	950
CKSCL-240/10-6%	4000		418.8		0.5	240	5.348	1440	710	1270	920	570	1140
CKSCL-270/10-6%	4500		471.2		0.4	270	5.753	1440	710	1370	920	570	1250
CKSCL-288/10-6%	4800		502.6		0.4	288	6.128	1440	710	1430	920	570	1300
CKSCL-300/10-6%	5000		523.6		0.4	300	6.265	1440	710	1480	920	570	1330
CKSCL-360/10-6%	6000		628.3		0.3	360	5.671	1640	770	1270	1060	640	1550
CKSCL-480/10-6%	8000		837.7		0.2	480	6.262	1640	770	1380	1060	640	1700
CKSCL-520/10-6%	8667		907.5		0.2	520	6.69	1640	770	1460	1060	640	1800

注：1、以上数据仅供设计部门参考，订货时以实际尺寸为准。

2、如有特殊要求订货时请提出。

Dry-type Iron-core Series Reactor

35 kV series - aluminium

English column key

Model | Rated capacitor-bank capacity (kvar) | System voltage (kV) | Rated current (A) | Rated reactance (%) | Rated reactance (Ω) | Rated capacity (kvar) | Three-phase loss (kW) | Overall dimensions L / W / H / L1 / W1 (mm) | Weight (kg)

干式铁心串联电抗器

35kV系列（铝质）

型 号	并联 电容 器组 容量 (kvar)	电容 额定 电压 (kV)	额定 电流 (A)	额定 电抗 率 (%)	额定 电抗 (Ω)	额定 容量 (kvar)	三相 损耗 (kW)	外形尺寸 (mm)					重量 (kg)
								L	W	H	L1	W1	
CKSCL-252/35-6%	4200	35	63.6	6	20.7	252	8.865	2160	820	2095	1400	740	1300
CKSCL-288/35-6%	4800		72.7		18.2	288	9.26	2190	840	2130	1420	780	1480
CKSCL-300/35-6%	5000		75.8		17.4	300	9.534	2190	840	2190	1420	780	1530
CKSCL-360/35-6%	6000		90.9		14.5	360	10.542	2220	850	2270	1440	780	1780
CKSCL-420/35-6%	7000		106.1		12.4	420	11.2	2330	890	2085	1510	820	1800
CKSCL-480/35-6%	8000		121.2		10.9	480	12.397	2330	890	2270	1510	820	1950
CKSCL-576/35-6%	9600		145.5		9.1	576	13.36	2360	900	2390	1530	840	2330
CKSCL-600/35-6%	10000		151.5		8.7	600	13.976	2360	900	2425	1530	840	2360

注：1、以上数据仅供设计部门参考，订货时以实际尺寸为准。
2、如有特殊要求订货时请提出。

Product features

The winding uses high-strength double-glass-film wire and high-quality insulation materials, with epoxy-resin vacuum casting to provide good insulation and mechanical strength. The core uses high-quality silicon-steel laminations and precision processing. High-strength glass-fibre banding and high-quality epoxy-resin impregnation help reduce reactor noise.

Application

Used to compensate capacitive current of transmission lines, restrain power-frequency voltage rise and switching overvoltage caused by line capacitance under light-load conditions, and reduce latent current during system ground faults. It can also assist generator de-excitation.

Model designation

BKSC - system voltage (kV) / rated capacity (kvar).

Conductor material: suffix 'L' = aluminium; copper is not marked. Moulded solid / three-phase / shunt reactor.

Standards

GB/T 1094.6-2011; IEC 60076-6:2007.

Service conditions

Indoor or cabinet installation; altitude up to 1000 m; ambient temperature -25°C to +45°C; relative humidity up to 95% at 25°C; no flammable or explosive materials nearby.

Information required for ordering

1. Rated capacity
2. Rated voltage
3. Rated reactance (%)
4. Rated current
5. Cooling method
6. Incoming/outgoing terminal angle
7. Other data required in the contract

Dry-type Iron-core Shunt Reactor

6 kV / 10 kV series - aluminium

English column key

Model | Rated voltage (kV) | Rated current (A) | Rated capacity (kvar) | Three-phase loss (kW) | Overall dimensions L / W / H / L1 / W1 (mm) | Weight (kg)

干式铁心并联电抗器

6kV、10kV系列（铝质）

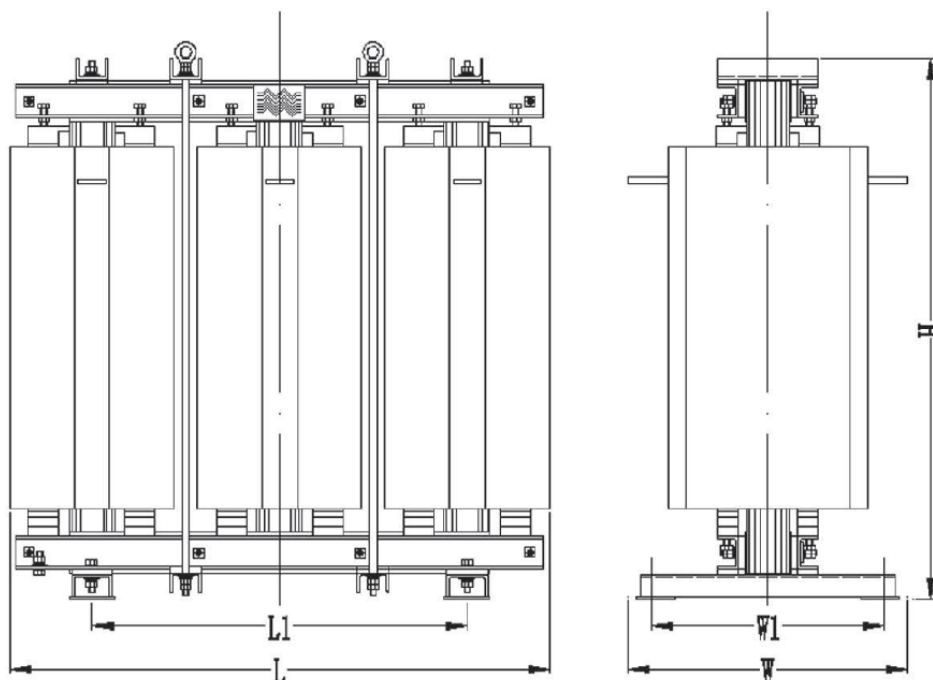
型 号	额定 电压(V)	额定 电流(A)	额定 容量 (kvar)	三相 损耗 (kW)	外形尺寸 (mm)					重量 (kg)
					L	W	H	L1	W1	
BKSC-120/6	6	11.6	120	2.2	122	560	1060	770	480	1100
BKSC-360/6	6	34.6	360	4.4	1380	630	1350	880	530	2400
BKSC-500/6	6	48.1	500	5.5	1410	630	1570	900	540	3000
BKSC-1500/6	6	144.3	1500	10.6	1820	750	1910	1170	680	7000
BKSC-2000/6	6	192.5	2000	12.5	2080	840	1800	1350	760	8450
BKSC-360/10	10	20.8	360	5	1480	650	1520	950	550	2700
BKSC-500/10	10	28.9	500	5.7	1530	670	1540	980	570	3240
BKSC-1500/10	10	86.6	1500	11	1970	800	1880	1270	710	7150
BKSC-2000/10	10	115.5	2000	13.2	1970	810	2130	1270	720	8900

注：1、以上数据仅供设计部门参考，订货时以实际尺寸为准。

2、如有特殊要求订货时请提出。

Dry-type Iron-core Reactor Installation Dimensions

干式铁心电抗器安装尺寸



In addition to the reactor products shown above, the manufacturer can also supply the following reactor types:

- Dry-type air-core shunt reactor
- Dry-type air-core wave-trap reactor
- Dry-type air-core split reactor
- Dry-type iron-core starting reactor
- Dry-type air-core smoothing reactor
- Dry-type air-core starting reactor
- Dry-type iron-core shunt reactor
- Dry-type iron-core SVG reactor

其它系列产品

我公司除了生产以上电抗器产品外，还可为用户提供以下类型电抗器产品：

- ★ 干式空心并联电抗器
- ★ 干式空心平波电抗器
- ★ 干式空心分裂电抗器
- ★ 干式铁心启动电抗器
- ★ 干式空心相控电抗器
- ★ 干式空心启动电抗器
- ★ 干式铁心滤波电抗器
- ★ 干式铁心SVG电抗器

