

JWZN INDUCTORS



PEOPLE ORIENTED
INNOVATION AND DEVELOPMENT

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COMPANY PROFILE

JWZN Inductors specializes in the design, production, and selling of small to very large dry type air core reactors. Our products are reliable and of high-quality, covering the complete range of voltages and applications.

JWZN Inductors has the largest manufacturing capabilities, in size & weight, and the most extensive testing facilities on-site to meet all customer requirements. Supported by its parent company, JWDC, one of the largest wire & cable companies in China, JWZN Inductors has complete flexibility in conductor design. This ensures the most efficient and cost-effective manufacturing process.

We place a high priority on meeting all our customers' contractual requirements and expectations. You can expect superior quality, competitive pricing, excellent lead times, and an ability to meet all domestic and international standards.

Please feel free to contact us for any information about our products, pricing, and delivery. It would be our pleasure to serve you and help meet your company's needs in a timely, cost-effective manner.





As you can see, we are very well established (and growing further) in the development of all types of inductors/reactors. We welcome discussions, inquiries, and orders from any location worldwide.

PRODUCT INTRODUCTION

Our reactors and line traps are custom designed and manufactured to meet all IEEE/ANSI and IEC Standards, as well as any other specific standards required by our customers.

Conductors used in dry-type air core reactors and line traps are custom-designed. Size and insulation types are specifically made according customers' unique specifications – each designed to ensure maximum insulation integrity and cost effectiveness.

Our horizontal and vertical structured epoxy-impregnated fiberglass encapsulation provides superior mechanical strength, minimizing both reactor vibration and sound level.

Conductor insulation is custom-designed to ensure coil strength and integrity. This not only minimizes turn-to-turn voltage stress levels, it also prevents moisture ingress and improves overall insulation reliability.

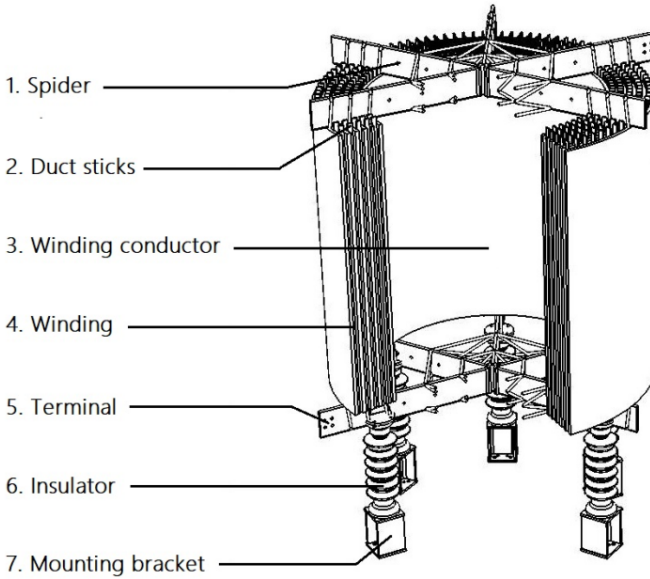
Current-carrying components are constructed of aluminum, and individual conductors are crimped and welded together. All conductor terminations are then welded to the aluminum bus bars, forming the top and bottom spider arms of the reactor.

To ensure reactor safety and longevity, all materials are carefully selected and undergo significant testing before and during the manufacturing process. Our reactors are designed to operate at low temperatures, allowing for overload capacity and ensuring the longest-possible service life.

We can provide steel or fiberglass support structures, raising reactors above the ground. This ensures proper magnetic clearance between the ground and the reactor and it also provides safe personnel clearance at ground level while energized.

Finally, our custom-engineered support systems are designed to reinforce the mechanical structure of the reactor without significant weight increases, reducing both the overall dimensions and the number of insulators required.

BASIC REACTOR CONSTRUCTION



ADVANTAGES OF JWZN Inductors AIR CORE DRY TYPE REACTORS

- *Indoor or outdoor installation*
- *Welded aluminum construction throughout*
- *Copper construction available upon request*
- *Dimensions can be optimized to meet any physical requirements*
- *Very high mechanical and short-circuit withstand capability*
- *Radial and axial voltage stresses designed to meet minimum levels*
- *Lowest noise levels throughout the life of the reactor*
- *Designed to be maintenance free*
- *Service life in excess of 35 years*
- *All conductors manufactured in-house*
- *Highest in-house testing capabilities*
- *Designs to ANSI/IEEE or IEC or any customer specific standard*
- *Quality Management System certified to ISO 9001, ISO 14001 and OHSAS 18001*

REACTOR APPLICATIONS

- Shunt reactors
- Thyristor-controlled reactors
- Current-limiting reactors
- Smoothing reactors
- Filter reactors
- Damping reactors
- Test reactors
- Line traps

1. Shunt reactor: *A shunt reactor is connected in parallel to the power system. The shunt reactor compensates for capacitive VARs that exist on lightly loaded transmission lines or underground cables. This ensures that operating voltages are maintained within acceptable levels and that the system is operating efficiently.*



2. Thyristor controlled reactor: *A thyristor-controlled reactor [TCR] is a reactor connected in series with a bidirectional thyristor valve. The thyristor valve is phase controlled, which allows the value of delivered reactive power to be adjusted to meet varying system conditions.*



3. Current-limiting reactor: *A current limiting reactor is connected in series with the power system. It is designed to reduce short-circuit currents, which result from plant expansions and power source additions, to levels that can be adequately handled by existing transmission and distribution equipment.*





4. Smoothing reactor: *A smoothing reactor is connected in series with the DC high voltage line as either part of the converter station or back to back interconnection between different transmission networks. It reduces the harmonic current [ripple], limits the inrush current during fault conditions, limits the DC phase current rate of rise and improves the dynamic stability of the power system.*

5. Filter reactor: *A filter reactor can be connected in either parallel or series with a capacitor bank. The resulting tuned circuit reduces the harmonic current and controls the amplitude of the ripple current.*



6. Damping reactor: *A damping reactor is connected in series with one or more capacitor banks. It is designed to limit the capacitor switching inrush current while also capable to withstand the rated current and fault current in the event of a short circuit.*



7. Test reactor: *Test reactors are installed in high-voltage and high-power laboratories. The typical applications include: current limiting, synthetic testing of circuit-breakers, inductive energy storage, and simulation circuits.*

8. Line trap: *Line traps are connected in series with high voltage and ultra-high voltage ac power lines. They are designed to introduce a high impedance in the carrier frequency range of 40 KHZ to 500 KHZ, with negligible impedance at the power frequency. The high impedance ensures that the carrier signals are not lost or attenuated into the substation.*



DATA REQUIRED FOR QUOTATION

Note: *Mandatory information is marked by a red asterisk (*).*

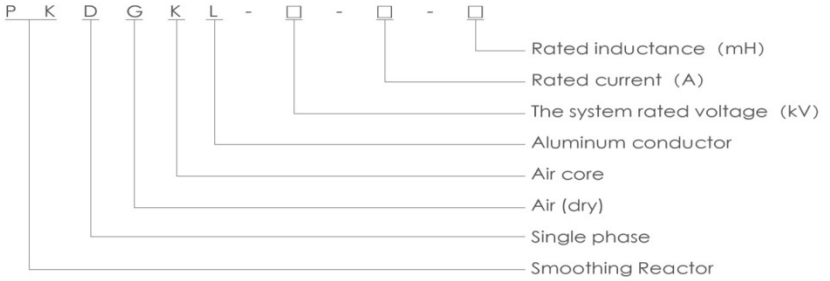
Reactors	Line Traps
Customer Name*	Customer Name*
Shipping Address c/w Zip Code*	Shipping Address c/w Zip Code*
Quantity*	Quantity*
Rated Continuous Current (A) *	Rated Continuous Current (A) *
System Voltage (kV) *	System Voltage (kV) *
Rated Thermal Short-Time Current (kA/s) *	Rated Thermal Short-Time Current (kA/s) *
Rated Impedance or Inductance (ohms or mH) *	Rated Main Coil Inductance (mH)*
Power Frequency (Hz) *	Power Frequency (Hz) *
Applicable Standard*	Applicable Standard*
Application: Series or Shunt	Type of Tuning – Single or Double or Wideband*
Harmonic Currents (A/Hz)	Fixed or Adjustable Tuning Capability*
Maximum Continuous Overload Current (A)	Bandwidth Frequencies (Hz)*
Mechanical Short-Time Current (kA/peak)	Minimum Blocking Impedance/Resistance (ohms)*
Average Ambient Temperature (°F or °C)	Mounting – Vertical or Horizontal*
Maximum Ambient Temperature (°F or °C)	Average Ambient Temperature (°F or °C)
Site Altitude (ft or m)	Maximum Ambient Temperature (°F or °C)
Seismic Level (G)	Site Altitude (ft or m)
BIL Across Reactor (kV)	Seismic Level (G)
BIL Reactor to Ground (kV)	Special Environmental Considerations (if any)
Maximum Noise Level (dBA)	Special Technical Requirements (if any)
Special Environmental Considerations (if any)	
Special Technical Requirements (if any)	

MAJOR TYPES OF REACTORS

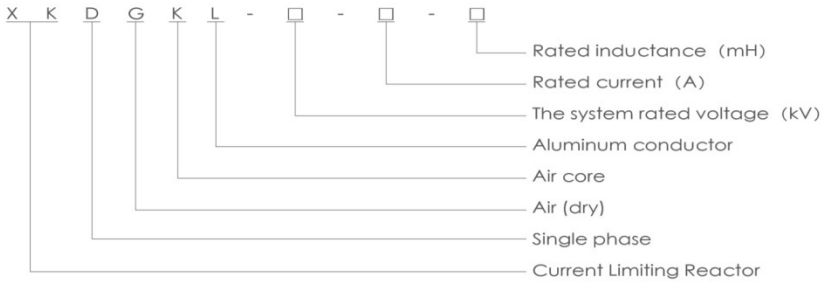
- 1.Current Limiting Reactor: XKDGKL** - system rated voltage - rated current - rated inductance
- 2.Smoothing Reactor: PKDGKL** - system rated voltage - rated current - rated inductance
- 3.Shunt Reactor: BKDGKL** - rated kVA_r / system rated voltage
- 4.Filter Reactor: LKDGKL** - system rated voltage - rated current - rated inductance
- 5.Series Reactor: CKDGKL** - rated kAV_r / system rated voltage - reactive rate %
- 6.Test Reactor: SKDGKL** - system rated voltage - working current - rated inductance
- 7.Neutral Ground Reactor: JKDGKL** - system rated voltage - rated current - rated inductance
- 8.Line Trap:**

1、PK series dry air core smoothing reactor

Smoothing Reactor



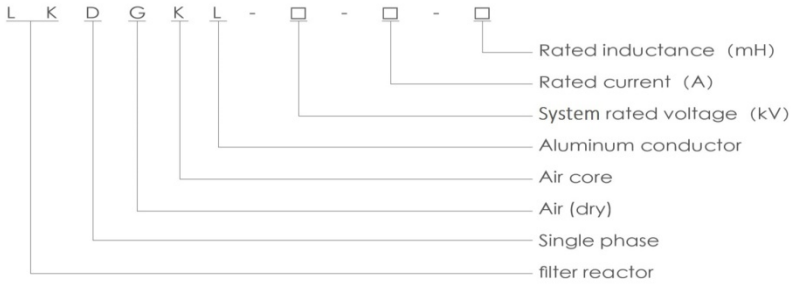
2、XK Current Limiting Reactor



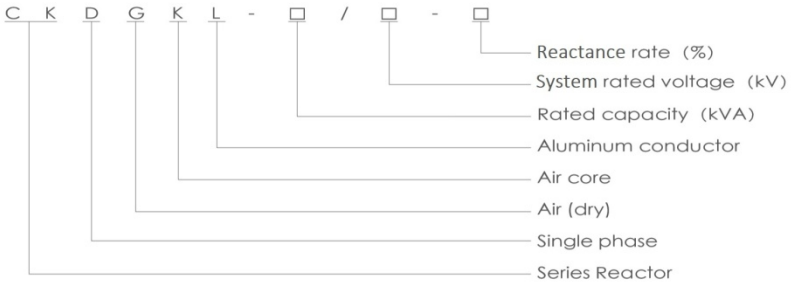
3、BK Shunt Reactor



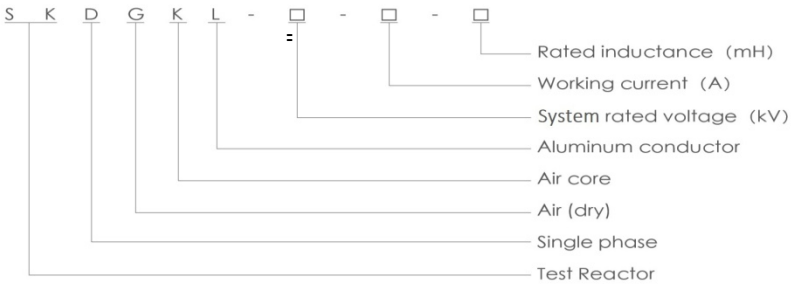
4、LK Filter Reactor



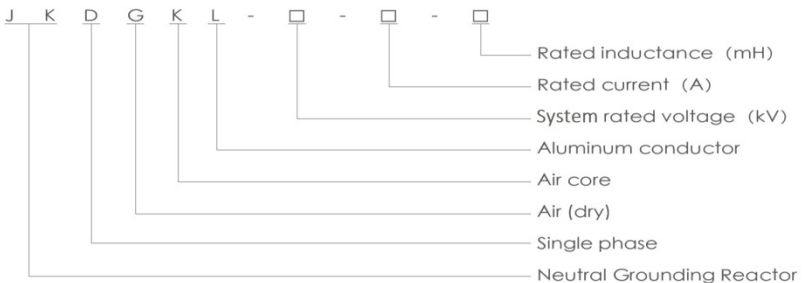
5、CK Series Reactor



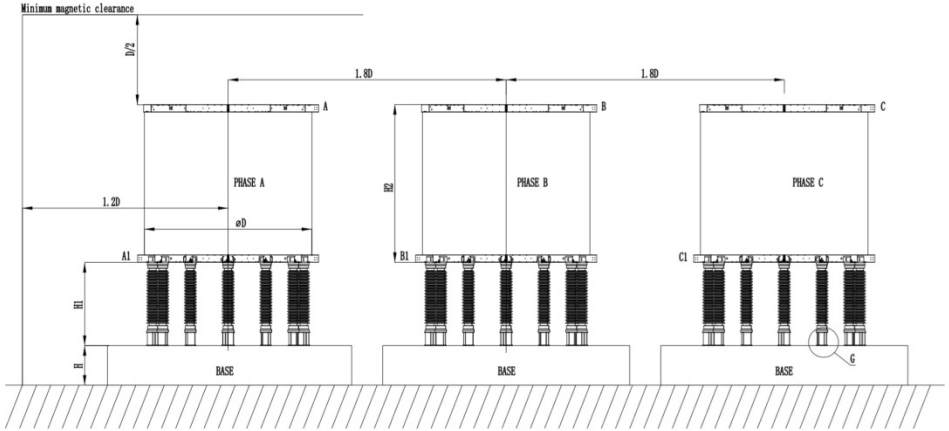
6、SK Test Reactor



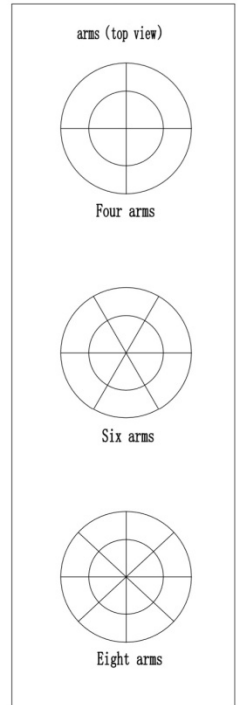
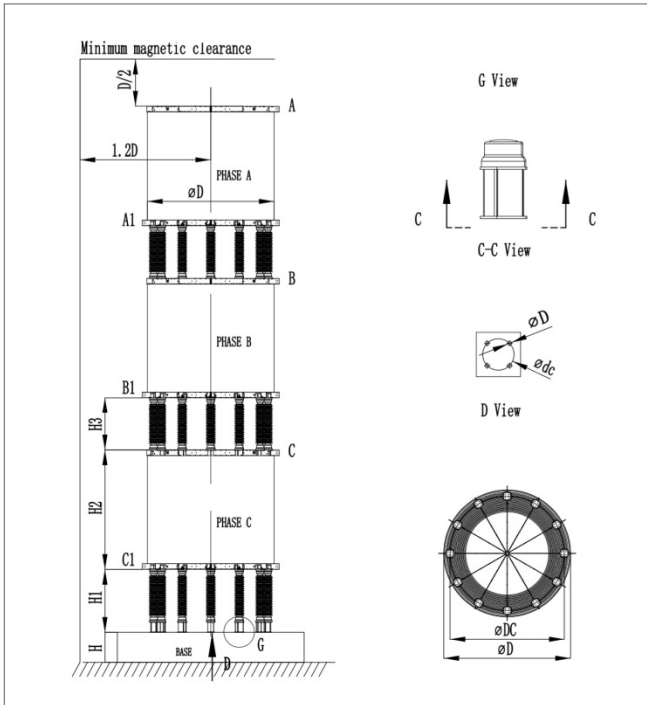
7、JK Neutral Grounding Reactor



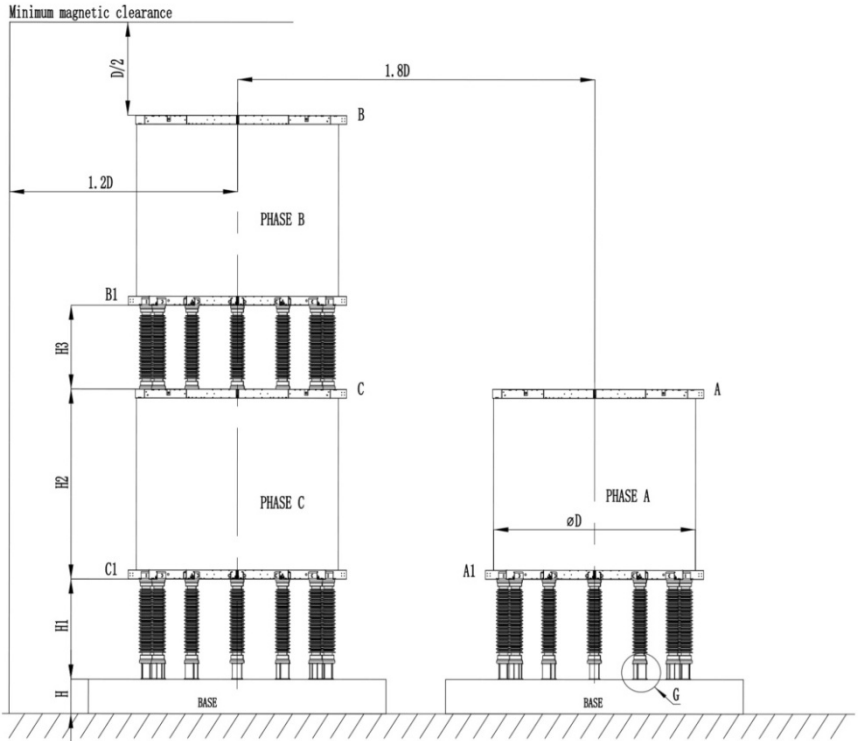
Three-phase side-by-side layout



Three-phase stacked

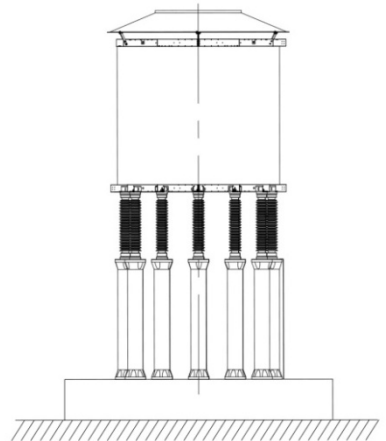
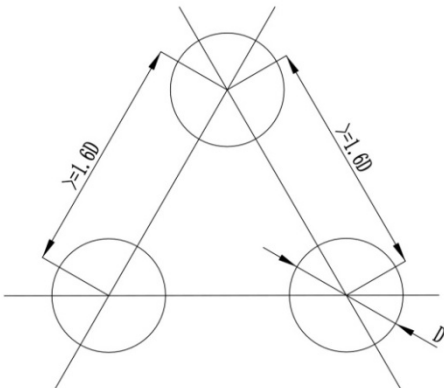


Two phases stacked and one phase on the ground

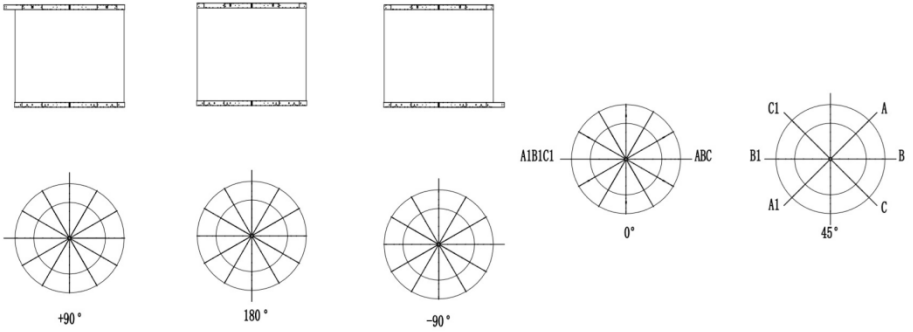


Three-phase Δ layout

Outdoor shunt reactor installation drawing

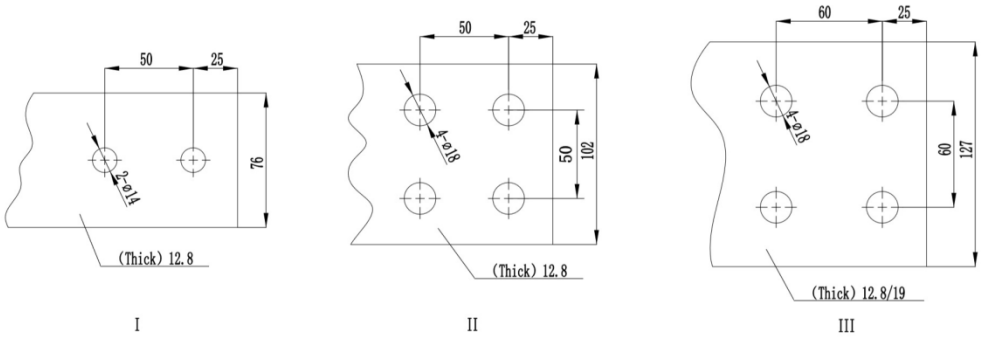


Line angle of terminals



Note: The 180° is preferable if the terminal orientation for one-phase is not specified.
The 45° is preferable if the terminal orientation for three-phase stacked is not specified.

Terminal shape and size



Note: The material of the terminals is Aluminum.

PK smoothing reactor series table

Model	Equipment rated voltage (kV)	Highest voltage for equipment (kV)	Rated inductance (mH)	Rated DC current (A)	Maximum continuous DC (A)	Total harmonic current (A)	Loss (kW)	Transient fault current (kA)	Single pole coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	Weight (kg)
PKDGKL-800-5000-50	800	816	50	5000.00	5046	309	345.10	40	2100	1950	4.71	4.09	65502
PKDGKL-800-5000-75	800	816	75	5000.00	5046	309	426.47	40	2100	1950	4.71	4.19	79750
PKDGKL-800-6250-50	800	816	50	6250.00	6296	386	431.09	40	2100	1950	5.22	4.35	94092
PKDGKL-800-6250-75	800	816	75	6250.00	6296	386	534.67	40	2100	1950	5.81	4.63	122535
PKDGKL-1100-5000-50	1100	1120	50	5000.00	5046	309	348.45	40	2600	2580	5.21	4.09	76072
PKDGKL-1100-5455-75	1100	1120	75	5455.00	5523	230	390.00	40	2600	2580	5.7	4.6	105000
PKDGKL-1100-6250-50	1100	1120	50	6250.00	6296	386	435.27	40	2600	2580	5.62	4.35	94910
PKDGKL-1100-6250-75	1100	1120	75	6250.00	6296	386	539.86	40	2600	2580	5.81	4.63	123601

XK High Voltage Current Limiting Reactor series table

Model	System rated voltage (kV)	Equipment rated voltage (kV)	highest voltage for equipment (kV)	Rated inductance (mH)	Rated reactance (Ω)	Rated current (A)	Power Rating (kVA)	Loss (kW)	Short circuit current / duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	Weight (kg)
XKDGKL-500-3600-33.43	500	500	550	33.43	10.50	3600	136090	307.42	40/4	1550	1550	3.77	4.34	28434
XKDGKL-500-4000-33.43	500	500	550	33.43	10.50	4000	168012	346.41	40/4	1550	1550	3.95	4.30	32062
XKDGKL-500-2400-38.2	500	500	550	33.43	12.00	2400	69116	186.15	40/4	1550	1550	3.41	4.31	19611
XKDGKL-500-3000-38.2	500	500	550	38.20	12.00	3000	107994	266.07	40/4	1550	1550	3.69	4.30	24623
XKDGKL-500-3600-38.2	500	500	550	38.20	12.00	3600	155511	322.52	40/4	1550	1550	3.94	4.30	30590
XKDGKL-500-4000-3.82	500	500	550	38.20	12.00	4000	191989	365.66	40/4	1550	1550	4.12	4.31	34639
XKDGKL-500-2400-44.56	500	500	550	44.56	14.00	2400	80634	202.55	40/4	1550	1550	3.62	4.31	21232
XKDGKL-500-2800-44.56	500	500	550	44.56	14.00	2800	109752	239.95	40/4	1550	1550	7.76	4.34	25905
XKDGKL-500-3000-44.56	500	500	550	44.56	14.00	3000	125990	287.70	40/4	1550	1550	3.90	4.33	26984
XKDGKL-500-3600-44.56	500	500	550	44.56	14.00	3600	181426	343.49	40/4	1550	1550	4.16	4.30	34359
XKDGKL-500-4000-44.56	500	500	550	44.56	14.00	4000	223983	394.94	40/4	1550	1550	4.31	4.34	37926
XKDGKL-500-2400-57.3	500	500	550	57.30	18.00	2400	103688	223.06	40/4	1550	1550	3.96	4.32	27721
XKDGKL-500-3000-57.3	500	500	550	57.30	18.00	3000	162012	318.93	40/4	1550	1550	4.32	4.34	31688
XKDGKL-500-3600-57.3	500	500	550	57.30	18.00	3600	233297	390.68	40/4	1550	1550	4.58	4.34	39188
XKDGKL-500-4000-57.3	500	500	550	57.30	18.00	4000	288021	444.09	40/4	1550	1550	4.74	4.34	44030
XKDGKL-500-2400-66.85	500	500	550	66.85	21.00	2400	120969	240.12	40/4	1550	1550	4.27	4.33	28203
XKDGKL-500-3000-66.85	500	500	550	66.85	21.00	3000	189014	335.88	40/4	1550	1550	4.54	4.34	35169

XK Current Limiting Reactor series table

Model	System rated voltage (kV)	Equipment rated voltage (kV)	High-est voltage (kV)	Rated inductance (mH)	Rated reactance (Ω)	Rated current (A)	Power Rating (kVA)	Loss (kW)	Short circuit current / duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	weight (kg)
XKDGKL-10-2000- 10 0.73	10.5	12	0.73	0.23	2000	920	11.77		85	85	2.22	0.58	951	
XKDGKL-10-2500- 10 0.59	10.5	12	0.59	0.18	2500	1155	11.87	3.6/2	85	85	1.93	0.59	966	
XKDGKL-10-2000- 10 0.92	10.5	12	0.92	0.29	2000	1155	13.5	75/4	85	85	2.23	0.83	933	
XKDGKL-10-3000- 10 0.49	10.5	12	0.49	0.15	3000	1380	15.21	30/2	85	85	2.11	0.8	1063	
XKDGKL-10-2500- 10 0.73	10.5	12	0.73	0.23	2500	1439	12.77	50/2	85	85	1.8	1.06	1510	
XKDGKL-10-3000- 10 0.61	10.5	12	0.61	0.19	3000	1733	17.3	75/2	85	85	2.12	0.78	1247	
XKDGKL-10-4000- 10 0.37	10.5	12	0.37	0.12	4000	1850	18.19	50/2	85	85	2.43	0.79	1711	
XKDGKL-10-3000- 10 0.74	10.5	12	0.74	0.23	3000	2081	17.46	75/2	85	85	2.41	0.74	1442	
XKDGKL-10-4000- 10 0.46	10.5	12	0.46	0.14	4000	2307	18.78	10/2	85	85	2.57	0.86	2239	
XKDGKL-10-4000- 10 0.55	10.5	12	0.55	0.17	4000	2770	25.88	75/2	85	85	2.49	0.62	1523	
XKDGKL-10-3000- 10 1.02	10.5	12	1.02	0.32	3000	2881	19.95	75/4	85	85	2.37	0.7	1669	
XKDGKL-35-2000- 35 0.32	35	40.5	0.32	0.1	2000	400	5.92	75/4	226	226	1.17	0.84	584	
XKDGKL-35-1500- 35 2.14	35	40.5	2.14	0.67	1500	1516	16.19	37.5/2	226	226	1.73	1.17	1387	

BK Shunt Reactor series table

Model	System rated voltage (kV)	Equipment rated voltage (kV)	Max voltage (kV)	Rated inductance (mH)	Rated reactance (Ω)	Rated current (A)	Power Rating (kVA)	Loss (kW)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	Weight (kg)
BKDGKL-5000/35	35	35	40.5	260	81.68	247.4	4999	15.15	226	226	3.4	2.4	6973
BKDGKL-10000/35	35	35	40.5	129.87	40.8	494.9	9993	39.81	226	226	2.72	1.99	4550
BKDGKL-15000/35	35	35	40.5	77.03	24.2	787.3	15000	51.11	226	226	3.75	2.46	6638
BKDGKL-20000/35	35	35	40.5	65	20.42	990	20014	59.07	226	226	3.42	2.02	6775
BKDGKL-21000/35	35	35	40.5	65	20.42	1004	20584	54.75			3.24	2.74	11326
BKDGKL-15000/66	66	66	72.5	280.75	88.2	412.4	15001	45.18	367	367	3.08	3.47	9067
BKDGKL-20000/66	66	66	72.5	231	72.57	525	20002	60	367	367	3.79	3.48	9561
BKDGKL-30000/66	66	66	72.5	140.38	44.1	825	30016	81.06	367	367	2.94	3.46	13939
BKDGKL-40000/66	66	66	72.5	105.3	33.08	1100	40028	79.5	367	367	3.51	3.39	14900
BKDGKL-40000/110	110	110	126	73	22.93	1320	39960	97.07	509	509	3.42	3	14389

CK Series Reactor series table

Model	System rated voltage (kV)	Equipment rated voltage (kV)	Max voltage (kV)	Rated inductance (mH)	Rated current (A)	Power Rating (kVAr)	Loss (kW)	Short circuit current/duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	weight (kg)
CKDGKL-10/6-5	6	6	7.2	11.61	52.36	10	0.345	1.05	85	85	0.715	1.086	225
CKDGKL-17/6-5	6	6	7.2	6.83	89.01	17	0.587	1.78	85	85	0.698	0.905	260
CKDGKL-20/6-5	6	6	7.2	5.81	104.71	20	0.690	2.09	85	85	0.7	0.846	210
CKDGKL-24/6-5	6	6	7.2	4.84	125.65	24	0.828	2.51	85	85	1.15	0.82	201.5
CKDGKL-33/6-5	6	6	7.2	3.52	172.77	33	1.139	3.46	85	85	0.763	0.737	185
CKDGKL-40/6-5	6	6	7.2	2.90	209.42	40	1.380	4.19	85	85	0.707	0.74	200
CKDGKL-48/6-5	6	6	7.2	2.42	251.31	48	1.656	5.03	85	85	1.14	0.62	175.28
CKDGKL-50/6-5	6	6	7.2	2.32	261.78	50	1.725	5.24	85	85	0.712	0.708	179
CKDGKL-60/6-5	6	6	7.2	1.94	314.14	60	2.070	6.28	85	85	0.726	0.735	220
CKDGKL-67/6-5	6	6	7.2	1.73	350.79	67	2.312	7.02	85	85	0.788	0.926	245
CKDGKL-70/6-5	6	6	7.2	1.66	366.49	70	2.415	7.33	85	85	0.703	0.579	229
CKDGKL-80/6-12	6	6	7.2	9.91	160.32	80	2.760	1.34	85	85	0.816	0.752	245
CKDGKL-84/6-12	6	6	7.2	9.44	168.34	84	2.898	1.40	85	85	1.046	0.571	213
CKDGKL-96/6-12	6	6	7.2	8.26	192.38	96	3.312	1.60	85	85	0.739	1.041	310
CKDGKL-100/6-12	6	6	7.2	7.93	200.40	100	3.450	1.67	85	85	1.07	0.34	244.84
CKDGKL-120/6-12	6	6	7.2	6.60	240.48	120	3.312	2.00	85	85	0.955	0.875	306
CKDGKL-144/6-12	6	6	7.2	5.50	288.58	144	3.974	2.40	85	85	1.047	0.647	350
CKDGKL-160/6-12	6	6	7.2	4.95	320.64	160	4.416	2.67	85	85	1.075	0.59	316
CKDGKL-168/6-12	6	6	7.2	4.72	336.67	168	4.637	2.81	85	85	0.875	0.649	345
CKDGKL-192/6-12	6	6	7.2	4.13	384.77	192	5.299	3.21	85	85	0.941	0.693	385
CKDGKL-200/6-12	6	6	7.2	3.96	400.80	200	5.520	3.34	85	85	1.045	0.642	387
CKDGKL-240/6-12	6	6	7.2	3.30	480.96	240	6.624	4.01	85	85	1.11	0.59	385
CKDGKL-10/10-5	10	10	12	32.19	31.45	10	0.345	0.63	85	85	0.715	1.086	225
CKDGKL-17/10-5	10	10	12	18.93	53.46	17	0.587	1.07	85	85	0.701	0.91	230
CKDGKL-20/10-5	10	10	12	16.09	62.89	20	0.690	1.26	85	85	0.7	0.846	210
CKDGKL-24/10-5	10	10	12	13.41	75.47	24	0.828	1.51	85	85	1.15	1.64	268.69
CKDGKL-25/10-5	10	10	12	12.88	78.62	25	0.863	1.57	85	85	0.679	0.649	130
CKDGKL-30/10-5	10	10	12	10.73	94.34	30	1.035	1.89	85	85	0.84	0.55	150
CKDGKL-33/10-5	10	10	12	9.75	103.77	33	1.139	2.08	85	85	0.763	0.737	185

Model

Model	System rated voltage (kV)	Equipment rated voltage (kV)	Max voltage (kV)	Rated inductance (mH)	Rated current (A)	Power Rating (kVAr)	Loss (kW)	Short circuit current/duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	weight (kg)
CKDGKL-40/10-5	10	10	12	8.05	125.79	40	1.380	2.52	85	85	0.707	0.74	200
CKDGKL-48/10-5	10	10	12	6.71	150.94	48	1.656	3.02	85	85	1.15	0.75	209.22
CKDGKL-50/10-5	10	10	12	6.44	157.23	50	1.725	3.14	85	85	0.712	0.708	179
CKDGKL-60/10-5	10	10	12	5.36	188.68	60	2.070	3.77	85	85	0.726	0.735	220
CKDGKL-67/10-5	10	10	12	4.80	210.69	67	2.312	4.21	85	85	0.788	0.926	245
CKDGKL-70/10-5	10	10	12	4.60	220.13	70	2.415	4.40	85	85	0.703	0.579	229
CKDGKL-72/10-5	10	10	12	4.47	226.42	72	2.484	4.53	85	85	1.25	0.62	193.15
CKDGKL-80/10-5	10	10	12	4.02	251.57	80	2.76	5.03	85	85	0.81	0.596	238
CKDGKL-83/10-5	10	10	12	3.88	261.01	83	2.864	5.22	85	85	0.93	0.725	287
CKDGKL-96/10-12	10	10	12	22.90	115.52	96	3.312	0.96	85	85	0.844	0.674	219
CKDGKL-100/10-12	10	10	12	21.98	120.34	100	2.76	1.00	85	85	1.03	0.46	225.1
CKDGKL-117/10-12	10	10	12	18.79	140.79	117	3.23	1.17	85	85	0.96	0.47	243
CKDGKL-120/10-12	10	10	12	18.32	144.40	120	3.312	1.20	85	85	0.712	0.854	251.16
CKDGKL-133/10-12	10	10	12	16.53	160.05	133	3.671	1.33	85	85	1.51	0.48	386
CKDGKL-144/10-12	10	10	12	15.26	173.29	144	3.974	1.44	85	85	1.57	0.472	421
CKDGKL-150/10-12	10	10	12	14.65	180.51	150	4.14	1.50	85	85	0.98	0.45	282.33
CKDGKL-160/10-12	10	10	12	13.74	192.54	160	4.42	1.60	85	85	1.17	0.624	386
CKDGKL-167/10-12	10	10	12	13.16	200.96	167	4.61	1.67	85	85	1	0.45	309.36
CKDGKL-168/10-12	10	10	12	13.08	202.17	168	4.64	1.68	85	85	1.29	0.6	322.38
CKDGKL-192/10-12	10	10	12	11.45	231.05	192	5.3	1.93	85	85	1.47	0.61	401
CKDGKL-200/10-12	10	10	12	10.99	240.67	200	5.52	2.01	85	85	1.11	0.84	433
CKDGKL-240/10-12	10	10	12	9.16	288.81	240	6.624	2.41	85	85	0.76	0.56	338
CKDGKL-280/10-12	10	10	12	7.85	336.94	280	7.73	2.81	85	85	1.4	0.48	395.11
CKDGKL-288/10-12	10	10	12	7.63	346.57	288	7.95	2.89	85	85	1.39	0.49	405.09
CKDGKL-320/10-12	10	10	12	6.87	385.08	320	7.36	3.21	85	85	0.96	0.59	444
CKDGKL-360/10-12	10	10	12	6.11	433.21	360	8.28	3.61	85	85	1.49	0.46	469.63
CKDGKL-400/10-12	10	10	12	5.50	481.35	400	9.2	4.01	85	85	1.55	0.89	652
CKDGKL-17/35-5	35	35	40.5	226.56	15.45	17	0.587	0.31	226	226	1.19	1.53	353.18
CKDGKL-33/35-5	35	35	40.5	116.71	30.00	33	1.14	0.60	226	226	1.15	0.98	253.16

Model

Model	System rated voltage (kV)	Equipment rated voltage (kV)	Max voltage (kV)	Rated inductance (mH)	Rated current (A)	Power Rating (kVAr)	Loss (kW)	Short circuit current/duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	Weight (kg)
CKDGKL-40/35-5	35	35	40.5	96.29	36.36	40	1.38	0.73	226	226	1.3	2.79	630.13
CKDGKL-50/35-5	35	35	40.5	77.03	45.45	50	1.725	0.91	226	226	1.08	0.89	239.87
CKDGKL-67/35-5	35	35	40.5	57.49	60.91	67	2.312	1.22	226	226	1.02	0.85	237.34
CKDGKL-79/35-5	35	35	40.5	48.75	71.82	79	2.73	1.44	226	226	0.97	0.84	227.55
CKDGKL-80/35-5	35	35	40.5	48.14	72.73	80	2.76	1.45	226	226	1.06	0.92	273
CKDGKL-83/35-5	35	35	40.5	46.40	75.45	83	2.864	1.51	226	226	1.08	0.9	280
CKDGKL-100/35-5	35	35	40.5	38.52	90.91	100	2.76	1.82	226	226	1.173	0.842	316
CKDGKL-120/35-5	35	35	40.5	32.10	109.09	120	3.312	2.18	226	226	0.94	0.92	282.19
CKDGKL-140/35-5	35	35	40.5	27.51	127.27	140	3.864	2.55	226	226	0.94	0.84	290.13
CKDGKL-160/35-5	35	35	40.5	24.07	145.45	160	4.416	2.91	226	226	0.95	0.85	318.57
CKDGKL-167/35-5	35	35	40.5	23.06	151.82	167	4.61	3.04	226	226	1.04	0.75	372
CKDGKL-192/35-5	35	35	40.5	20.06	174.55	192	5.3	3.49	226	226	1.29	1.27	429.34
CKDGKL-200/35-5	35	35	40.5	19.26	181.82	200	5.52	3.64	226	226	1.18	0.774	437
CKDGKL-240/35-5	35	35	40.5	16.05	218.18	240	6.624	4.36	226	226	1.47	0.86	598
CKDGKL-250/35-5	35	35	40.5	15.41	227.27	250	6.900	4.55	226	226	1.28	0.88	438
CKDGKL-288/35-12	35	35	40.5	91.67	100.00	288	7.949	0.83	226	226	1.3	0.99	460.31
CKDGKL-300/35-12	35	35	40.5	88.01	104.17	300	8.280	0.87	226	226	1.23	0.85	437.32
CKDGKL-333/35-12	35	35	40.5	79.28	115.63	333	7.659	0.96	226	226	1.27	0.85	475.84
CKDGKL-336/35-12	35	35	40.5	78.58	116.67	336	7.728	0.97	226	226	1.3	1.01	507.23
CKDGKL-384/35-12	35	35	40.5	68.75	133.33	384	8.832	1.11	226	226	1.3	0.94	523.05
CKDGKL-400/35-12	35	35	40.5	66.00	138.89	400	9.200	1.16	226	226	1.2	1.18	625
CKDGKL-417/35-12	35	35	40.5	63.31	144.79	417	9.591	1.21	226	226	1.24	0.84	535.85
CKDGKL-480/35-12	35	35	40.5	55.00	166.67	480	11.040	1.39	226	226	1.41	1.02	724
CKDGKL-500/35-12	35	35	40.5	52.80	173.61	500	11.500	1.45	226	226	1.45	0.85	592.53
CKDGKL-576/35-12	35	35	40.5	45.84	200.00	576	10.598	1.67	226	226	1.4	1.23	703.39
CKDGKL-600/35-12	35	35	40.5	44.00	208.33	600	11.040	1.74	226	226	1.5	0.94	796
CKDGKL-667/35-12	35	35	40.5	39.58	231.60	667	12.273	1.93	226	226	1.5	0.96	721.35
CKDGKL-720/35-12	35	35	40.5	36.67	250.00	720	13.248	2.08	226	226	1.4	1.18	792.34
CKDGKL-800/35-12	35	35	40.5	33.00	277.78	800	14.720	2.31	226	226	1.78	1.4	979

Model

	System rated voltage (kV)	Equipment rated voltage (kV)	Max voltage (kV)	Rated inductance (mH)	Rated current (A)	Power Rating (kVAR)	Loss (kW)	Short circuit current/duration (kA/s)	Coil lightning impulse voltage (kV)	Insulator lightning impulse voltage (kV)	Outer diameter (m)	Height (m)	weight (kg)
CKDGKL-960/35-12	35	35	40.5	27.50	333.33	960	17.664	2.78	226	226	1.4	1.16	918.7
CKDGKL-1000/35-12	35	35	40.5	26.40	347.22	1000	18.400	2.89	226	226	1.69	0.92	865.43
CKDGKL-1200/35-12	35	35	40.5	22.00	416.67	1200	16.560	3.47	226	226	1.65	1.25	1260
CKDGKL-1600/35-12	35	35	40.5	16.50	555.56	1600	22.080	4.63	226	226	1.84	1.4	1350
CKDGKL-2400/35-12	35	35	40.5	11.00	833.33	2400	33.120	6.94	226	226	2.02	1.03	1760
CKDGKL-167/66-5	66	66	72.5	84.06	79.52	167	4.609	1.59	368	368	2.22	1.69	886
CKDGKL-300/66-5	66	66	72.5	46.79	142.86	300	8.280	2.86	368	368	1.4	1.83	625.6
CKDGKL-333/66-5	66	66	72.5	42.15	158.57	333	7.659	3.17	368	368	1.17	1.11	714
CKDGKL-400/66-5	66	66	72.5	35.09	190.48	400	9.200	3.81	368	368	1.83	1.43	791
CKDGKL-500/66-5	66	66	72.5	28.07	238.10	500	11.500	4.76	368	368	1.22	1.23	675.83
CKDGKL-667/66-5	66	66	72.5	21.05	317.62	667	12.273	6.35	368	368	1.2	1.23	798.26
CKDGKL-720/66-12	66	66	72.5	134.71	130.43	720	13.248	1.09	368	368	1.6	1.96	999.14
CKDGKL-800/66-12	66	66	72.5	121.24	144.93	800	14.720	1.21	368	368	1.81	1.37	1069
CKDGKL-1000/66-12	66	66	72.5	96.99	181.16	1000	18.400	1.51	368	368	2.69	2.22	1344
CKDGKL-1200/66-12	66	66	72.5	80.83	217.39	1200	16.560	1.81	368	368	1.32	1.23	1111.35
CKDGKL-1600/66-12	66	66	72.5	60.62	289.86	1600	22.080	2.42	368	368	1.29	1.25	1160.8
CKDGKL-2400/66-12	66	66	72.5	40.41	434.78	2400	33.120	3.62	368	368	2.64	2.32	2378

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I N D U C T O R S



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