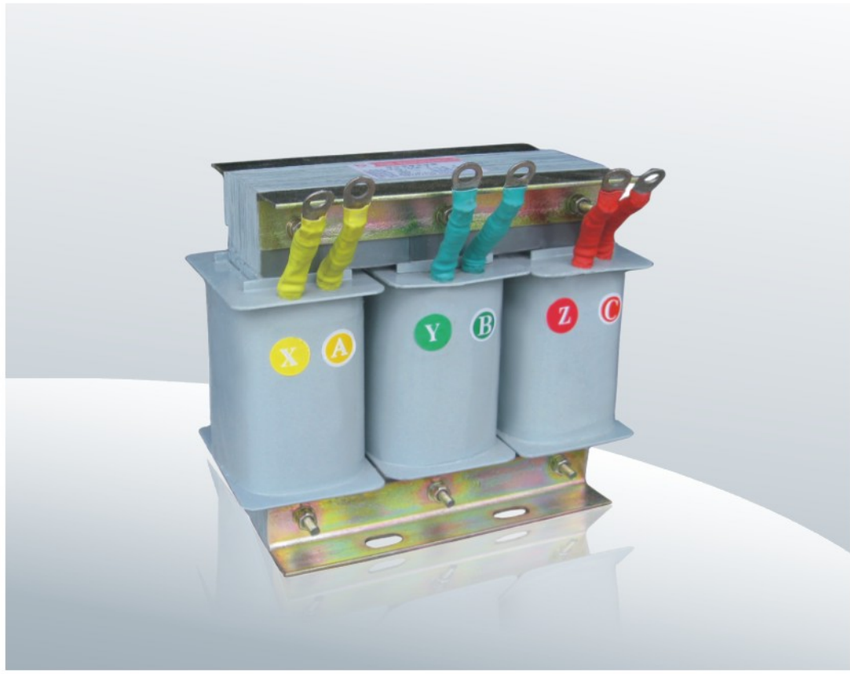
Reactor Series

Http: //www.zhiyue.com
E-mail: zhiyue@zhiyue.com



Application

This series low voltage series connected reactor is used in low voltage reactive compensation device, and series connected with capacitor, when the low voltage power net have a great quantity of harmonic source such as rectifying and defector, which produce high harmonic will seriously damage the main transformer, and other electrical device. The reactor series connected with capacitor will restraint the harmonic blow up effectively, improve the voltage wave form and system's power factor, and restraint switch on inrush current and operation over voltage, protect the capacitor effectively.

Working condition

1. Altitude ≤2000m
2. Ambient temperature -25-+45℃ relative humidity ≤90%
3. No toxic gas arround, no tinderbox and explosives
4. Good atmospheric condition

Model and meaning

CK S G □ / □ □

- Rated reactance ratio(%)
- Assorted capacitor voltage(kV)
- Rated output(kvar)
- Dry type air self-cooled
- S:three phase , D:single phase
- Series reactor

Instruction: Reactor output= Capacitor output × Reactance ratio

LK S G □ / □ □

- Rated inductance(mH)
- Rated current(A)
- System rated voltage(kV)
- Dry type air self-cooled
- S:three phase , D:single phase
- Filter reactor

Structure characteristics

The reactor is divided into three-phase and single-phase two types, both are iron core, dry type.

1. Core is using imported quality low loss cold oriented silicon steel, the core columns from the air gap is divided into a number of uniform tomato, Gap used epoxy layer plate glass cloth for the interval to ensure the reactor gap in the course of operation does not change.
2. H-coil, C-flat copper wire around the system, with close and uniform, with a very good sense of beauty there is a better thermal performance.
3. The reactor core and coil assembed into one after a predrying Varnish thermal vacuum drying curing this process, the H-varnish so that the reactor's core coil jail due to the combination has not only significantly reduces the noise operation, very high levels of heat, to ensure that the Reactor high temperature can safely noise-free operation.
4. Reactor core-part fastener uses no magnetic material to ensure that the reactor is of a higher quality factor and low temperature, the better to ensure that the filtering effect.
5. The exposed parts are taken by the anti-corrosion treatment, leads to terminals using tin brass terminal.

Main technical parameter

1. Can use in 400V and 660V system.
2. Reactance ratio: 1%. 6%. 7% 12%. 13% 14%, and so on.
3. Rated insulation level: 3KV/min.
4. The temperature rise limited value of the reactor each part : the iron core can not exceed 85K, and the coil can not exceed 95K.
5. The reactor noise can not exceed 50dB.
6. The reactor can work for long time when the work frequency and harmonic current not exceed 1.35 times rated current.
7. linearity degree of reactance value: the value of ratio between reactance value in 1.8times rated current and reactance value in rated current can not lower than 0.95.
8. For three phase reactor, the imbalance of each two phase reactance value can not exceed 3%.
9. Service temperature range, H degree, higher than 180℃.

Specification

The specification for 6% reactance ratio

Model	Capacitor output (kvar)	Reactor output (kvar)	Inductance (mH)	Rated current (A)
CKSG-0.3/0.4-6%	5	0.3	3×7.74	6.4
CKSG-0.45/0.4-6%	7.5	0.45	3×5.16	9.6
CKSG-0.6/0.4-6%	10	0.6	3×3.87	12.8
CKSG-0.72/0.4-6%	12	0.72	3×3.22	15.4
CKSG-0.84/0.4-6%	14	0.84	3×2.76	18.0
CKSG-0.9/0.4-6%	15	0.9	3×2.58	19.2
CKSG-0.96/0.4-6%	16	0.96	3×2.42	20.5
CKSG-1.2/0.4-6%	20	1.2	3×1.93	25.7
CKSG-1.44/0.4-6%	24	1.44	3×1.61	30.8
CKSG-1.5/0.4-6%	25	1.5	3×1.55	32.1
CKSG-1.8/0.4-6%	30	1.8	3×1.29	38.5
CKSG-2.1/0.4-6%	35	2.1	3×1.11	44.9
CKSG-2.4/0.4-6%	40	2.4	3×0.97	51.3
CKSG-2.7/0.4-6%	45	2.7	3×0.86	57.7
CKSG-3/0.4-6%	50	3	3×0.77	64.2
CKSG-3.6/0.4-6%	60	3.6	3×0.64	77.0
CKSG-4.8/0.4-6%	80	4.8	3×0.48	102.6

Note: CKSG TYPE, 400V system, three phase, 6% reactance ratio, the capacitor voltage 450V

The specification for 12% reactance ratio

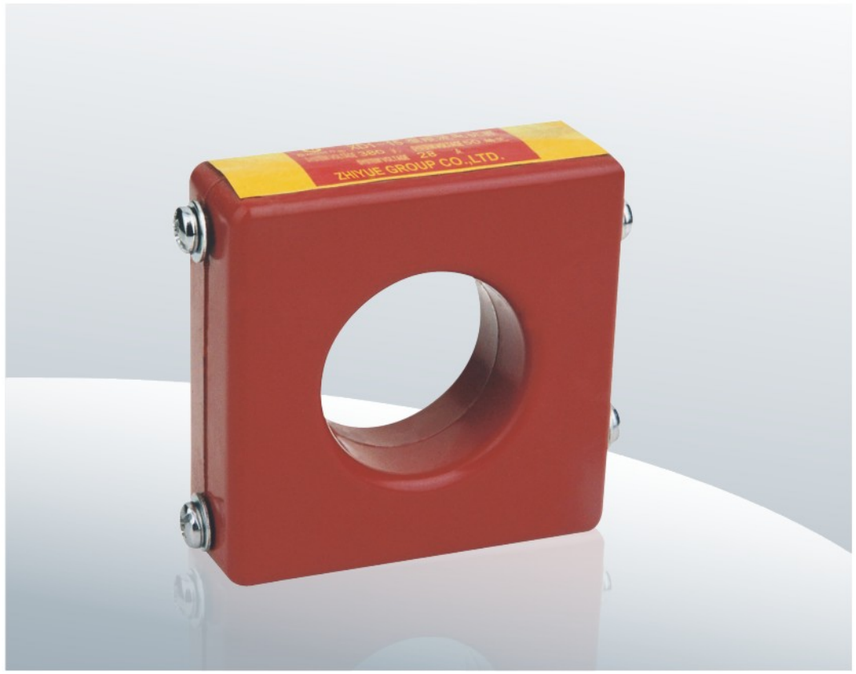
Model	Capacitor output (kvar)	Reactor output (kvar)	Inductance (mH)	Rated current (A)
CKSG-0.6/0.4-12%	5	0.6	3×17.61	6.0
CKSG-0.9/0.4-12%	7.5	0.9	3×11.74	9.0
CKSG-1.2/0.4-12%	10	1.2	3×8.81	12.0
CKSG-1.44/0.4-12%	12	1.44	3×7.34	14.4
CKSG-1.68/0.4-12%	14	1.68	3×6.29	16.8
CKSG-1.8/0.4-12%	15	1.8	3×5.87	18.0
CKSG-1.92/0.4-12%	16	1.92	3×5.50	19.2
CKSG-2.4/0.4-12%	20	2.4	3×4.40	24.1
CKSG-2.88/0.4-12%	24	2.88	3×3.67	28.9
CKSG-3/0.4-12%	25	3	3×3.52	30.1
CKSG-3.6/0.4-12%	30	3.6	3×2.94	36.1
CKSG-4.2/0.4-12%	35	4.2	3×2.52	42.1
CKSG-4.8/0.4-12%	40	4.8	3×2.20	48.1
CKSG-5.4/0.4-12%	45	5.4	3×1.96	54.1
CKSG-6/0.4-12%	50	6	3×1.76	60.1
CKSG-7.2/0.4-12%	60	7.2	3×1.47	72.2
CKSG-9.6/0.4-12%	80	9.6	3×1.10	96.2

Note: CKSG TYPE, 400V system, three phase, 12% reactance ratio, the capacitor voltage 450V

Order instructions

The chosen of reactance ratio should according to the power net harmonic wave

1. reactance ratio, single or three phase, capacitor rated voltage
2.reactor output(should match with capacitor output)
3. can according to the customer's requirement make other specification



General Description

Xd1 series current-limiting reactor adopts dry type reactor cast by uns-aturated polyesters resin. It is used to control the switch-on surge of low-voltage capacitor and to strength the breaking capability of switch-on switch in the low-voltage electric engineering integrated device.

Normal working and installing condition

1. Altitude of installing place not higher than 1000m.
2. When ambient air temperature is lower than +40℃, the average temperature within 24h should lower than +35℃, the lower limit of ambient air temperature is −5℃.
3. When max temperature is +40℃, the air relative humidity doesn't exceed 50%, at the lower temperature. the higher relative humidity can be permitted to be higher, but the max relative can not exceed 80%.
4. There is no dangerous medium or explosive or inflammable substance, gas or dust (include conductive dust) that can erode the metal and destroy the insulation exist in the installation place.
5. No drastic vibration is allowed in the installation place, the installation obliquity can't exceed 5° .
6. Installation place should be far away from direct sunshine, rain or molds.

Model and meaning

XD 1 □ / 0.4

- Rated working voltage Un V
- capacity and mated capacitor
- Design code
- Current-limiting reactor

Main Technical characteristics

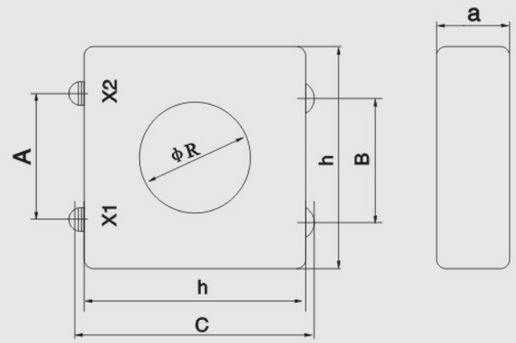
1. Rated current, capacity and surge-limiting times of mated capacitor.
2. Power frequency testing voltage: AC 50Hz, voltage 3kv, no break-down or flash for 1min.
3. Temperature: Housing ⩽65K，Coil ⩽65K.

Specification

The specification for 6% reactance ratio

Model	Rated working voltage(V)	Capacitor output (kvar)	Rated working current(A)	Inductance (mH)	Current-limited ratio(n)	Insulation level (KV/1min)
XD1-12	400	12	22.5	0.0315	50	2500
XD1-14		14	26.3	0.026		
XD1-16		16	30.02	0.0232		
XD1-20		20	35.9	0.0204		
XD1-25		25	46.9	0.0213		
XD1-30		30	56.3	0.025		
XD1-40		40	70.8	0.030		

Overall and installation size



Model	A	B	C	R	h	a
12-16 Type	51	70	106	45	92	32
18-25 Type	55	74	118	45	99	43
25-40 Type	65	84	132	45	112	51

Notice for order

When you order, please state the product model, rated current (A), accuracy grade and rated load (VA).

Application

This series low voltage series connected reactor is used in low voltage reactive compensation device, and series connected with capacitor, when the low voltage power net have a great quantity of harmonic source such as rectifying and deflectorm, which produce high harmonic will seriously damage the main transformer, and other electrical device. The reactor series connected with capacitor will restraint the harmonic blow up effectively, improve the voltage wave form and system's power factor, and restraint switch on inrush current and operation over voltage, protect the capacitor effectively.

Working condition

1. Altitude ≤2000m
2. Ambient temperature -25-+45℃ relative humidity ≤90%
3. No toxic gas arround, no tinderbox and explosives
4. Good atmospheric condition

Model and meaning

CK S C □ / □ □

- Rated reactance ratio(%)
- System voltage(kV)
- Rated output(kvar)
- C: epoxy-resin filled G: wind around type
- S:three phase , D:single phase
- Series reactor

Structure characteristic

1. Core is using imported quality low loss cold oriented silicon steel, the core columns from the air gap is divided into a number of uniform tomato, Gap used epoxy layer plate glass cloth for the interval to ensure the reactor gap in the course of operation does not change.
2. The surface of the core is use quality cold oriented silicon steel face glue, make the silicon combined hard, greatly reduce the operation noise, and have good anti-corosion function.
3. The coil is epoxy-resin filled type, inside and outside the coil, there is epoxy glass grid cloth to strengthen, and use H degree epoxy-resin filled system, and filled in the vacuum condition, the coil not only have good insulation performance, and also have good mechanical strength, and bear big current and heat or cold impact, will not broken.
4. The epoxy-resin filled coil is not water sucking, low discharge in part place, can operated in bad condition safely.
5. In the top and botten of the coil, there are epoxy padand silicon rubber and antivibration pad, can reduce the shake when the coil works.

main technical parameter

1. Rated voltage: 6kv, 10kv,35kv
2. Rated frequency: 50Hz
3. Service temperature range, H degree, higher than 180℃ , in the normal working, the iron core can not exceed 85K, and the coil can not exceed 95K;
4. The reactor can work in 1.35 times rated current for long time
5. Low noise

Specification

Model	Capacitor output (kvar)	capacitor voltage (kV)	Reactor output (kvar)	Inductance (mH)	Rated current (A)
CKSC-1/10-1%	100	11/√3	1	3×38.52	5.25
CKSC-2/10-1%	200	11/√3	2	3×19.26	10.50
CKSC-3/10-1%	300	11/√3	3	3×12.84	15.75
CKSC-4.5/10-1%	450	11/√3	4.5	3×8.569	23.62
CKSC-6/10-1%	600	11/√3	6	3×6.420	31.49
CKSC-7.5/10-1%	750	11/√3	7.5	3×5.133	39.37
CKSC-9/10-1%	900	11/√3	9	3×4.285	47.24
CKSC-10/10-1%	1000	11/√3	10	3×3.852	52.49
CKSC-12/10-1%	1200	11/√3	12	3×3.210	62.97
CKSC-15/10-1%	1500	11/√3	15	3×2.570	78.73
CKSC-18/10-1%	1800	11/√3	18	3×2.140	94.48
CKSC-21/10-1%	2100	11/√3	21	3×1.926	110.22
CKSC-24/10-1%	2400	11/√3	24	3×1.65	125.97
CKSC-27/10-1%	2700	11/√3	27	3×1.427	141.72
CKSC-30/10-1%	3000	11/√3	30	3×1.284	157.46

Note: For the specificaton of CKSC type, 10KV system, three phase, the reactance ratio is 1%

Specification

Model	Capacitor output (kvar)	capacitor voltage (kV)	Reactor output (kvar)	Inductance (mH)	Rated current (A)
CKSC-6/10-6%	100	11/√3	6	3×233.223	5.25
CKSC-9/10-6%	150	11/√3	9	3×153.514	7.87
CKSC-12/10-6%	200	11/√3	12	3×115.501	10.50
CKSC-18/10-6%	300	11/√3	18	3×77.246	15.75
CKSC-27/10-6%	450	11/√3	27	3×51.388	23.62
CKSC-30/10-6%	500	11/√3	30	3×46.289	26.24
CKSC-36/10-6%	600	11/√3	36	3×38.500	31.49
CKSC-45/10-6%	750	11/√3	45	3×30.781	39.37
CKSC-54/10-6%	900	11/√3	54	3×25.694	47.24
CKSC-60/10-6%	1000	11/√3	60	3×23.100	52.49
CKSC-72/10-6%	1200	11/√3	72	3×19.250	62.97
CKSC-90/10-6%	1500	11/√3	90	3×15.410	78.73
CKSC-108/10-6%	1800	11/√3	108	3×12.833	94.48
CKSC-126/10-6%	2100	11/√3	126	3×11.005	110.22
CKSC-144/10-6%	2400	11/√3	144	3×9.625	125.97
CKSC-162/10-6%	2700	11/√3	162	3×8.559	141.72
CKSC-180/10-6%	3000	11/√3	180	3×7.700	157.46
CKSC-198/10-6%	3300	11/√3	198	3×7.002	173.21
CKSC-216/10-6%	3600	11/√3	216	3×6.420	188.96
CKSC-240/10-6%	4000	11/√3	240	3×5.778	209.95
CKSC-252/10-6%	4200	11/√3	252	3×5.503	220.45
CKSC-288/10-6%	4800	11/√3	288	3×4.814	251.94
CKSC-300/10-6%	5000	11/√3	300	3×4.622	262.44
CKSC-360/10-6%	6000	11/√3	360	3×3.851	314.93
CKSC-480/10-6%	8000	11/√3	480	3×2.888	419.90

Note: For the specificaton of CKSC type , 10KV system, three phase, the reactance ratio is 6%

Specification

Model	Capacitor output (kvar)	capacitor voltage (kV)	Reactor output (kvar)	Inductance (mH)	Rated current (A)
CKSC-12/10-12%	100	12/√3	12	3×551.074	5.25
CKSC-18/10-12%	150	12/√3	18	3×367.383	7.87
CKSC-24/10-12%	200	12/√3	24	3×275.537	10.50
CKSC-36/10-12%	300	12/√3	36	3×183.691	15.75
CKSC-54/10-12%	450	12/√3	54	3×121.897	23.62
CKSC-120/10-12%	1000	12/√3	120	3×54.993	52.49
CKSC-144/10-12%	1200	12/√3	144	3×45.843	62.97
CKSC-180/10-12%	1500	12/√3	180	3×36.637	78.73
CKSC-216/10-12%	1800	12/√3	216	3×30.545	94.48
CKSC-252/10-12%	2100	12/√3	252	3×26.190	110.22
CKSC-288/10-12%	2400	12/√3	288	3×22.902	115.97
CKSC-324/10-12%	2700	12/√3	324	3×20.363	141.72
CKSC-360/10-12%	3000	12/√3	360	3×18.331	157.46
CKSC-396/10-12%	3300	12/√3	396	3×16.657	173.21
CKSC-432/10-12%	3600	12/√3	432	3×15.272	188.96
CKSC-480/10-12%	4000	12/√3	480	3×13.748	209.95
CKSC-504/10-12%	4200	12/√3	504	3×13.088	220.45
CKSC-576/10-12%	4800	12/√3	576	3×11.456	251.94
CKSC-600/10-12%	5000	12/√3	600	3×10.994	262.44

Note: For the specificaton of CKSC type, 10KV system, three phase, the reactance ratio is 12%

Application and applicability

The wiring of reactor contains series connection and shunt connection. Series reactor, in general, works as current-limiting action and the shunt reactor is used for reactive compensation.

1. Dry type semi core shunt reactor: in super high tension long range transmission system, it is connected to the tertiary coil of the transformer and used as the capacitive charging current of the compensating line to limit the system voltage rise and switching over voltage ensure the reliability of the line.
2. Dry type semi core series reactor: it is mounted in the capacitor return circuit and suppress the surge current during operating of the capacitor return circuit and form a harmonic circuit together with the capacitor group and works as harmonic filtration.

Working condition

1. Indoor or outdoor
2. The ambient temperature: -40-+45 ℃
3. Altitude: ⩽1000m
4. No toxic gas arround, no tinderbox and explosives

Model and meaning

CK G L □ / □ □ W——outdoor (indoor no code)

- Reactance ratio(%)
- System voltage(kV)
- Rated output(kvar)
- Aluminium wire
- Dry type
- Series connected reactor

CKGL series dry type semi-core series connected reactor

BK G L □ / □ W——outdoor (indoor no code)

- System rated voltage(kV)
- Rated output(kvar)
- Aluminium wire
- Dry type
- Shunt reactor

Struction characteristics

1. The core limb in the conventional reactor structure is placed in the air core of the air core reactor. The difference from the conventional iron core reactor is that iron core does not surround the whole coil to form closed circuit , but elegantly transfer the air gap originally placed on the core limb (the air gap is of necessary for obtaining specified inductance) to the outside of the coil of the air core reactor and a large number of iron core material is saved because it's no necessary to surround the complete coil with the iron core.
2. Since core limb made of electrical steel tape material with high permeability is placed in the coil, thus the permeability in the coil increases remarkably. Therefore, in comparison with air core reactor, diameter of the coil under same capacity, usage of wire and loss are reduced significantly. The volume, compared with dry type air core reactor with same capacity, reduces by 30-50%, and the power loss of shunt reactor reduce 20-30%, series connected reactor reduce 30-40%.
3. The core limb is formed by complete vacuum epoxy casting, compact and rigid, has small vibration and low noise in operation. The special structure completely solves the partial over heating problem since the magnetic flux dissipated by the air gap in the limb passes transversely through the iron disc of conventinal iron core reactor. Especially core limb after protection treatment can be used directly for outdoor application and is not subjected to any service condition.
4. The V-A characteristic approximating to linearity. the coventional wisdom think the reactor with iron core is not linearity, but dry type semi-core reactor's V-A characteristic appear many characteristic of linearity.

Specification

CKGL Series dry type semi-core series connected reactor

Model	Capacitor side voltage (kV)	Shunt capacitor group output (kvar)	Rated current (A)	Rated react (Ω)	External diameter (mm)	Coil height (mm)	Weight (kg)	Loss (kw)
CKGL-20/10-5	11/√3	1200	63	5.04	405	390	85	0.54
CKGL-24/10-6	11/√3	1200	63	6.05	425	400	97	0.58
CKGL-48/10-12	12/√3	1200	57.7	14.4	440	460	162	1.01
CKGL-25/10-5	11/√3	1500	78.7	4.04	430	400	100	0.60
CKGL-30/10-6	11/√3	1500	78.7	4.84	460	400	115	0.72
CKGL-60/10-12	12/√3	1500	72.2	11.55	550	460	192	1.26

Specification

CKGL Series dry type semi-core series connected reactor

Model	Capacitor side voltage (kV)	Shunt capacitor group output (kvar)	Rated current (A)	Rated react (Ω)	External diameter (mm)	Coil height (mm)	Weight (kg)	Loss (kw)
CKGL-30/10-5	11/√3	1800	94.5	3.36	460	400	115	0.72
CKGL-36/10-6	11/√3	1800	94.5	4.03	525	410	130	0.86
CKGL-72/10-12	12/√3	1800	86.6	9.60	550	640	220	1.30
CKGL-40/10-5	11/√3	2400	126	2.52	320	300	142	0.96
CKGL-48/10-6	11/√3	2400	126	3.02	440	460	162	1.15
CKGL-96/10-12	12/√3	2400	115.5	7.20	560	650	273	1.73
CKGL-45/10-5	11/√3	2700	141.7	2.24	445	470	155	0.95
CKGL-54/10-6	11/√3	2700	141.7	2.69	510	470	177	1.13
CKGL-108/10-12	12/√3	2700	130	6.40	550	520	298	1.55
CKGL-50/10-5	11/√3	3000	157.5	2.02	530	470	168	1.05
CKGL-60/10-6	11/√3	3000	157.5	2.42	550	470	192	1.26
CKGL-120/10-12	12/√3	3000	144	5.70	620	660	323	1.73
CKGL-55/10-5	11/√3	3300	173	1.84	540	470	180	0.86
CKGL-66/10-6	11/√3	3300	173	2.20	550	520	206	1.25
CKGL-132/10-12	12/√3	3300	158.38	5.24	650	580	347	1.90
CKGL-60/10-5	11/√3	3600	189	1.68	510	460	192	1.26
CKGL-72/10-6	11/√3	3600	189	2.02	590	460	220	2.16
CKGL-144/10-12	12/√3	3600	173	4.81	640	780	370	2.08
CKGL-70/10-5	11/√3	4200	220	1.44	560	560	216	1.26
CKGL-84/10-6	11/√3	4200	220	1.78	560	560	247	1.51
CKGL-168/10-12	12/√3	4200	202.1	4.12	670	700	415	2.42
CKGL-75/10-5	11/√3	4500	236	1.35	560	470	227	1.35
CKGL-90/10-6	11/√3	4500	236	1.61	560	630	260	1.62
CKGL-180/10-12	12/√3	4500	216.5	3.84	590	640	437	2.59
CKGL-80/10-5	11/√3	4800	252	1.26	580	410	238	1.44
CKGL-96/10-6	11/√3	4800	252	1.51	570	630	273	1.73
CKGL-192/10-12	12/√3	4800	231	3.60	600	640	460	2.77
CKGL-83/10-5	11/√3	5000	262.4	1.21	540	540	245	1.50
CKGL-100/10-6	11/√3	5000	262.4	1.45	560	650	280	1.70
CKGL-200/10-12	12/√3	5000	240.6	3.46	610	820	474	2.88
CKGL-90/10-5	11/√3	5400	283	1.12	560	640	260	1.60
CKGL-108/10-6	11/√3	5400	283	1.35	640	650	298	1.55
CKGL-216/10-12	12/√3	5400	260	3.20	640	820	502	3.11
CKGL-100/10-5	11/√3	6000	315	1.01	560	650	280	1.80
CKGL-120/10-6	11/√3	6000	315	1.21	600	670	323	1.73
CKGL-240/10-12	12/√3	6000	289	2.88	610	690	543	3.46
CKGL-110/10-5	11/√3	6600	346	0.915	600	650	303	1.57
CKGL-132/10-6	11/√3	6600	346	1.10	625	700	347	1.90
CKGL-264/10-12	12/√3	6600	318	2.62	660	720	385	3.80
CKGL-116/7/10-5	11/√3	7000	367.4	0.865	600	670	316	1.68
CKGL-140/10-6	11/√3	7000	367.4	0.96	625	700	362	2.02
CKGL-280/10-12	12/√3	7000	336.4	2.47	670	730	609	4.03
CKGL-120/10-5	11/√3	7200	378	0.84	615	650	323	1.73
CKGL-144/10-6	11/√3	7200	378	0.99	635	670	370	2.08
CKGL-288/10-12	12/√3	7200	346.4	2.40	650	690	622	4.15
CKGL-130/10-5	11/√3	7800	409	0.775	615	660	343	2.87
CKGL-156/10-6	11/√3	7800	409	0.93	625	700	393	2.24
CKGL-312/10-12	12/√3	7800	375.3	2.22	675	700	660	3.74

Dry-type semi-core reactor

Specification

CKGL Series dry type semi-core series connected reactor

Model	Capacitor side voltage (kV)	Shunt capacitor group output (kvar)	Rated current (A)	Rated react (Ω)	External diameter (mm)	Coil height (mm)	Weight (kg)	Loss (kw)
CKGL-133/3/10-5	11√3	8000	420	0.775	615	660	350	1.92
CKGL-160/10-6	11√3	8000	420	0.91	650	700	400	2.30
CKGL-320/10-12	12√3	8000	384.9	2.16	720	720	673	3.84
CKGL-140/10-5	11√3	8400	441	0.72	635	700	362	2.02
CKGL-168/10-6	11√3	8400	441	0.86	660	720	415	2.42
CKGL-336/10-12	12√3	8400	404.2	2.06	740	720	698	4.03
CKGL-150/10-5	11√3	9000	472	0.67	660	480	382	2.16
CKGL-180/10-6	11√3	9000	472	0.81	670	720	483	2.59
CKGL-360/10-12	12√3	9000	433	1.92	740	780	735	4.32
CKGL-160/10-5	11√3	9600	504	0.63	410	500	400	2.30
CKGL-192/10-6	11√3	9600	504	0.76	670	720	460	2.77
CKGL-384/10-12	12√3	9600	462	1.80	780	780	772	4.61
CKGL-167/10-5	11√3	10000	526	0.61	550	600	413	2.41
CKGL-200.4/10-6	11√3	10000	526	0.725	560	800	474	2.89
CKGL-400.9/10-12	12√3	10000	481	1.73	870	820	798	4.80
CKGL-400/35-6	2×11	20000	275	5.29	790	1170	720	3.96
CKGL-561/35-6	2×11	28050	425	3.11	925	1100	870	5.01
CKGL-800/35-6	2×11	40000	606	2.18	970	1194	1165	6.04
CKGL-1200/35-6	2×11	60000	909	1.452	1205	1134	1435	7.45
CKGL-288/35-12	2×12	7200	100	29.4	820	1092	570	3.45
CKGL-400/35-12	2×12	10000	138	21.2	900	1144	700	4.36
CKGL-480/35-12	2×12	12000	166.7	17.26	930	1144	1060	4.66
CKGL-800/35-12	2×12	20000	278	10.38	10000	1129	1140	5.41
CKGL-1122/35-12	2×12	28050	390	7.4	1195	1079	1415	6.63
CKGL-1600/35-12	2×12	40000	556	5.2	1215	1300	1850	8.2
CKGL-2400/35-12	2×12	60000	835	3.45	1210	1514	2443	10

Specification

BKGL series dry type semi-core shunt reactor

Mode	System rated voltage (kV)	Rated output (kvar)	Rated loss (kW)	Coil external diameter ΦD(mm)	Coil height (mm)	Coil weight (kg)	Installation point	Installation foot ΦD (mm)
BKGL-2667/10	10	2667	10.3	1080	1865	2500	6	930
BKGL-3333/10	10	3333	14	1400	1450	2750	8	1250
BKGL-5000/10	10	5000	17	1500	1450	3700	8	1450
BKGL-6700/10	10	67000	20.5	1650	1500	4400	8	1500
BKGL-10000/10	10	10000	26	1800	1550	5800	8	1650
BKGL-1000/35	35	1000	10	1220	2595	2600	6	1100
BKGL-2667/35	35	2667	16	1310	2344	4400	6	1140
BKGL-3333/35	35	3333	15	1450	2200	3100	8	1300
BKGL-5000/35	35	5000	18.5	1590	2200	4000	8	1420
BKGL-6700/35	35	6700	22	1700	2200	5000	8	1520
BKGL-10000/35	35	10000	28	1860	2200	7400	8	1690
BKGL-13333/35	35	13000	30	1860	2475	8300	8	1800
BKGL-15000/35	35	15000	34	1990	2200	9600	8	1860
BKGL-20000/35	35	20000	39	2150	2200	11100	8	1950