

QDTB® TRANSFORMER

CKGQ

Reactors

PRODUCT DATASHEET

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CKGQ — Series Overview

The CKGQ series air-core dry-type reactors feature no iron-core saturation and linear inductance characteristics. Designed for harmonic filtering and current limiting applications in power systems with high harmonic content.

Key Features

- Air-core design eliminates iron-core saturation
- Linear inductance characteristics for stable filtering
- Class F (155°C) insulation for high-temperature operation
- Ideal for harmonic filtering and current limiting

Typical Applications

- Harmonic filtering in VFD systems
- Capacitor bank inrush current limiting
- Power quality improvement systems
- Industrial power factor correction networks

Model Number Breakdown

- C — Reactor (Chongzhiqi / Series reactor)
- K — Dry-type (Kongqi cooled / Air-cooled)
- G — Air-core design (no iron core)
- Q — Starting/Filtering application

Model Specifications

20 model(s) in the CKGQ series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
CKGQ-6-50	50	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	270 kg	480×320×450 mm
CKGQ-10-50	50	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	270 kg	480×320×450 mm
CKGQ-6-100	100	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	430 kg	550×370×520 mm
CKGQ-10-100	100	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	430 kg	550×370×520 mm
CKGQ-35-100	100	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	430 kg	550×370×520 mm
CKGQ-6-150	150	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	580 kg	600×400×550 mm
CKGQ-10-150	150	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	580 kg	600×400×550 mm
CKGQ-6-200	200	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	720 kg	630×420×580 mm
CKGQ-10-200	200	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	720 kg	630×420×580 mm
CKGQ-35-200	200	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	720 kg	630×420×580 mm
CKGQ-6-300	300	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	950 kg	680×450×620 mm
CKGQ-10-300	300	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	950 kg	680×450×620 mm
CKGQ-35-300	300	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	950 kg	680×450×620 mm
CKGQ-6-400	400	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1125 kg	715×475×650 mm
CKGQ-10-400	400	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1125 kg	715×475×650 mm
CKGQ-6-500	500	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1300 kg	750×500×680 mm
CKGQ-10-500	500	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1300 kg	750×500×680 mm
CKGQ-35-500	500	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1300 kg	750×500×680 mm

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
CKGQ-35-800	800	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1840 kg	835×560×760 mm
CKGQ-35-1000	1000	35 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	2200 kg	900×600×800 mm

† Typical values, subject to confirmation. Final dimensions and weights are per factory GA drawings and routine test reports.

Standards & Certification

ISO 9001 Certified — Quality Management System
CE marking — available on selected models
Design and testing per IEC 60076, IEC 60076-11 (dry-type), IEC 61330 (substations), GB 1094 and related international standards.

Note: Certification details and test reports are provided upon request for the specific model and destination market.

Inquiry & Contact

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QDTB® guarantees a response within 24 hours on business days. Send your model, capacity, voltage and quantity for a detailed quotation.