

QDTB® TRANSFORMER

QKSC

Reactors

PRODUCT DATASHEET

Shandong Yaqing Electric Power Technology Co., Ltd.
qdtb-transformer.com · Alice@qdtb-transformer.com

QKSC — Series Overview

The QKSC series three-phase dry-type starting reactors are designed for motor starting applications, reducing inrush current during motor startup. Provides smooth acceleration and protects motors and power systems from mechanical and electrical stress.

Key Features

- Reduces motor starting inrush current significantly
- Dry-type iron-core construction for indoor installation
- Smooth motor acceleration with controlled voltage drop
- Protects motors from electrical and mechanical stress

Typical Applications

- Large motor soft starting systems
- Industrial pump and fan motor control
- Compressor motor starting
- HVAC system motor protection

Model Number Breakdown

- Q — Starting application (Qidong)
- K — Dry-type (Kongqi cooled / Air-cooled)
- S — Three-phase (Sanxiang)
- C — Iron-core design (Core type)

Model Specifications

14 model(s) in the QKSC 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) †
QKSC-6-50	50	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	270 kg	480×320×450 mm
QKSC-6-100	100	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	430 kg	550×370×520 mm
QKSC-10-100	100	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	430 kg	550×370×520 mm
QKSC-6-150	150	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	580 kg	600×400×550 mm
QKSC-6-200	200	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	720 kg	630×420×580 mm
QKSC-10-200	200	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	720 kg	630×420×580 mm
QKSC-6-300	300	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	950 kg	680×450×620 mm
QKSC-10-300	300	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	950 kg	680×450×620 mm
QKSC-6-400	400	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1125 kg	715×475×650 mm
QKSC-10-400	400	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1125 kg	715×475×650 mm
QKSC-6-500	500	6 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1300 kg	750×500×680 mm
QKSC-10-500	500	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1300 kg	750×500×680 mm
QKSC-10-800	800	10 kV	Series	6	F (155°C)	GB10229, IEC 60076-6	1840 kg	835×560×760 mm
QKSC-10-1000	1000	10 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

Website	https://qdtb-transformer.com
Email	Alice@qdtb-transformer.com
WhatsApp	+86 13698683193
Phone	+86 13698683193
Address	No. 50, Jifa Longshan Road, Environmental Protection Industrial Park, Jimo District, Qingdao, Shandong, China

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