

QDTB® TRANSFORMER

DC-Welding

Reactors

PRODUCT DATASHEET

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DC-Welding — Series Overview

The DCR series DC welding reactors are designed to smooth the output current of DC welding machines, stabilizing the arc and improving weld quality. Dry-type construction with Class F insulation ensures reliable performance in continuous industrial welding duty.

Key Features

- Smooths DC welding output current
- Stabilizes arc for consistent weld quality
- Dry-type construction, Class F insulation
- Built for continuous industrial duty

Typical Applications

- DC arc welding machines
- Resistance welding power circuits
- Industrial welding workshops
- Welding power supply smoothing

Model Number Breakdown

- D — DC (direct current)
- C — Welding circuit
- R — Reactor / Inductor

Model Specifications

5 model(s) in the DC-Welding series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	Voltage	Connection	Reactance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
DCR-100A	100	0.07 kV	Series	5	≤50 dB(A)	F (155°C)	GB/T 10228	430 kg	550×370×520 mm
DCR-200A	200	0.07 kV	Series	5	≤50 dB(A)	F (155°C)	GB/T 10228	720 kg	630×420×580 mm
DCR-300A	300	0.07 kV	Series	5	≤50 dB(A)	F (155°C)	GB/T 10228	950 kg	680×450×620 mm
DCR-400A	400	0.07 kV	Series	5	≤50 dB(A)	F (155°C)	GB/T 10228	1125 kg	715×475×650 mm
DCR-500A	500	0.07 kV	Series	5	≤50 dB(A)	F (155°C)	GB/T 10228	1300 kg	750×500×680 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.