

QDTB® TRANSFORMER

SCB14

Dry-Type Transformers

PRODUCT DATASHEET

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

SCB14 — Series Overview

The SCB14 series delivers superior energy efficiency with Level 4 rating, offering significant energy savings and environmental benefits. Rated 10–5000 kVA, 0.48–35 kV primary and 0.208–0.48 kV secondary, Class F insulation with 65 K temperature rise, IP00–IP31 enclosure (IP42–IP66 available on request). Suitable for indoor substations, data centers, commercial buildings, industrial plants, and solar/wind farms.

Key Features

- Level 4 energy efficiency rating
- Ultra-low no-load losses
- Environmentally friendly design
- Long service life with minimal maintenance

Typical Applications

- Smart grids
- Renewable energy stations
- High-end commercial buildings
- Industrial parks

Model Number Breakdown

- S — Three-phase power transformer
- C — Cast resin insulation, dry-type transformer
- B — Foil-wound winding structure
- 14 — Performance level designation, corresponds to Level 4 energy efficiency standard

Model Specifications

162 model(s) in the SCB14 series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-10/10/0.4	10	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCB14-10/6/0.4	10	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCB14-10/35/0.4	10	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCB14-10/10/0.48	10	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	300 kg	700×500×800 mm
SCB14-10/10/0.22	10	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCB14-10/0.48/0.208	10	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	580	1450	1.9	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	300 kg	700×500×800 mm
SCB14-15/10/0.4	15	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCB14-15/6/0.4	15	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCB14-15/35/0.4	15	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCB14-15/10/0.48	15	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	340 kg	740×525×850 mm
SCB14-15/10/0.22	15	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCB14-15/0.48/0.208	15	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	780	1950	1.6	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	340 kg	740×525×850 mm
SCB14-20/10/0.4	20	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCB14-20/6/0.4	20	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCB14-20/35/0.4	20	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCB14-20/10/0.48	20	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	380 kg	780×550×900 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-20/10/0.22	20	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCB14-20/0.48/0.208	20	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	960	2400	1.5	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	380 kg	780×550×900 mm
SCB14-25/10/0.4	25	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCB14-25/6/0.4	25	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCB14-25/35/0.4	25	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCB14-25/10/0.48	25	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	420 kg	830×585×940 mm
SCB14-25/10/0.22	25	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCB14-25/0.48/0.208	25	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1120	2800	1.4	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	420 kg	830×585×940 mm
SCB14-30/10/0.4	30	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCB14-30/6/0.4	30	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCB14-30/35/0.4	30	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCB14-30/10/0.48	30	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	460 kg	880×620×980 mm
SCB14-30/10/0.22	30	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCB14-30/0.48/0.208	30	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1280	3200	1.3	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	460 kg	880×620×980 mm
SCB14-40/10/0.4	40	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCB14-40/6/0.4	40	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCB14-40/35/0.4	40	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-40/10/0.48	40	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	510 kg	940×690×1040 mm
SCB14-40/10/0.22	40	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCB14-40/0.48/0.208	40	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1570	3925	1.2	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	510 kg	940×690×1040 mm
SCB14-50/10/0.4	50	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCB14-50/6/0.4	50	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCB14-50/35/0.4	50	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCB14-50/10/0.48	50	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	560 kg	1000×760×1100 mm
SCB14-50/10/0.22	50	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCB14-50/0.48/0.208	50	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1850	4625	1.1	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	560 kg	1000×760×1100 mm
SCB14-63/10/0.4	63	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCB14-63/6/0.4	63	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCB14-63/35/0.4	63	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCB14-63/10/0.48	63	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	620 kg	1020×775×1135 mm
SCB14-63/10/0.22	63	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCB14-63/0.48/0.208	63	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	2180	5450	1	4	≤39 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	620 kg	1020×775×1135 mm
SCB14-80/10/0.4	80	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCB14-80/6/0.4	80	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-80/35/0.4	80	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCB14-80/10/0.48	80	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	700 kg	1050×800×1180 mm
SCB14-80/10/0.22	80	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCB14-80/0.48/0.208	80	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	2590	6475	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	700 kg	1050×800×1180 mm
SCB14-100/10/0.4	100	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCB14-100/6/0.4	100	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCB14-100/35/0.4	100	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCB14-100/10/0.48	100	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	800 kg	1100×800×1250 mm
SCB14-100/10/0.22	100	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCB14-100/0.48/0.208	100	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	3040	7600	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	800 kg	1100×800×1250 mm
SCB14-125/10/0.4	125	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCB14-125/6/0.4	125	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCB14-125/35/0.4	125	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCB14-125/10/0.48	125	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	900 kg	1150×820×1300 mm
SCB14-125/10/0.22	125	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCB14-125/0.48/0.208	125	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	3570	8925	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	900 kg	1150×820×1300 mm
SCB14-160/10/0.4	160	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm

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SCB14-160/6/0.4	160	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCB14-160/35/0.4	160	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCB14-160/10/0.48	160	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1050 kg	1200×850×1350 mm
SCB14-160/10/0.22	160	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCB14-160/0.48/0.208	160	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	4270	10675	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1050 kg	1200×850×1350 mm
SCB14-200/10/0.4	200	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCB14-200/6/0.4	200	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCB14-200/35/0.4	200	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCB14-200/10/0.48	200	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1200 kg	1250×880×1400 mm
SCB14-200/10/0.22	200	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCB14-200/0.48/0.208	200	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	5010	12525	0.7	4.5	≤42 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1200 kg	1250×880×1400 mm
SCB14-250/10/0.4	250	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCB14-250/6/0.4	250	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCB14-250/35/0.4	250	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCB14-250/10/0.48	250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1350 kg	1300×900×1450 mm
SCB14-250/10/0.22	250	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCB14-250/0.48/0.208	250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	5890	14725	0.7	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1350 kg	1300×900×1450 mm

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SCB14-315/10/0.4	315	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCB14-315/6/0.4	315	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCB14-315/35/0.4	315	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCB14-315/10/0.48	315	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1550 kg	1350×950×1500 mm
SCB14-315/10/0.22	315	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCB14-315/0.48/0.208	315	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	6950	17375	0.6	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1550 kg	1350×950×1500 mm
SCB14-400/10/0.4	400	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCB14-400/6/0.4	400	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCB14-400/35/0.4	400	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCB14-400/10/0.48	400	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1800 kg	1400×980×1550 mm
SCB14-400/10/0.22	400	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCB14-400/0.48/0.208	400	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	8260	20650	0.6	4.5	≤44 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1800 kg	1400×980×1550 mm
SCB14-500/10/0.4	500	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCB14-500/6/0.4	500	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCB14-500/35/0.4	500	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCB14-500/10/0.48	500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2100 kg	1450×1000×1600 mm
SCB14-500/10/0.22	500	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-500/0.48/0.208	500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	9700	24250	0.6	4.5	≤45 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2100 kg	1450×1000×1600 mm
SCB14-630/10/0.4	630	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCB14-630/6/0.4	630	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCB14-630/35/0.4	630	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCB14-630/10/0.48	630	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2400 kg	1500×1050×1700 mm
SCB14-630/10/0.22	630	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCB14-630/0.48/0.208	630	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	11450	28625	0.5	4.5	≤46 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2400 kg	1500×1050×1700 mm
SCB14-800/10/0.4	800	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCB14-800/6/0.4	800	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCB14-800/35/0.4	800	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCB14-800/10/0.48	800	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2700 kg	1550×1080×1800 mm
SCB14-800/10/0.22	800	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCB14-800/0.48/0.208	800	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	13600	34000	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2700 kg	1550×1080×1800 mm
SCB14-1000/10/0.4	1000	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCB14-1000/6/0.4	1000	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCB14-1000/35/0.4	1000	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCB14-1000/10/0.48	1000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3000 kg	1600×1100×1850 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-1000/10/0.22	1000	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCB14-1000/0.48/0.208	1000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	15970	39925	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3000 kg	1600×1100×1850 mm
SCB14-1250/10/0.4	1250	10 kV	0.4 kV	Dyn11 (IEC)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCB14-1250/6/0.4	1250	6 kV	0.4 kV	Dyn11 (IEC)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCB14-1250/35/0.4	1250	35 kV	0.4 kV	Dyn11 (IEC)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCB14-1250/10/0.48	1250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3500 kg	1700×1150×1950 mm
SCB14-1250/10/0.22	1250	10 kV	0.22 kV	Dyn11 (IEC)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCB14-1250/0.48/0.208	1250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	18760	46900	0.5	6	≤48 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3500 kg	1700×1150×1950 mm
SCB14-1600/10/0.4	1600	10 kV	0.4 kV	Dyn11 (IEC)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCB14-1600/6/0.4	1600	6 kV	0.4 kV	Dyn11 (IEC)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCB14-1600/35/0.4	1600	35 kV	0.4 kV	Dyn11 (IEC)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCB14-1600/10/0.48	1600	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4100 kg	1800×1200×2050 mm
SCB14-1600/10/0.22	1600	10 kV	0.22 kV	Dyn11 (IEC)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCB14-1600/0.48/0.208	1600	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	22400	56000	0.5	6	≤49 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4100 kg	1800×1200×2050 mm
SCB14-2000/10/0.4	2000	10 kV	0.4 kV	Dyn11 (IEC)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCB14-2000/6/0.4	2000	6 kV	0.4 kV	Dyn11 (IEC)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCB14-2000/35/0.4	2000	35 kV	0.4 kV	Dyn11 (IEC)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-2000/10/0.48	2000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4800 kg	1900×1250×2150 mm
SCB14-2000/10/0.22	2000	10 kV	0.22 kV	Dyn11 (IEC)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCB14-2000/0.48/0.208	2000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	26310	65775	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4800 kg	1900×1250×2150 mm
SCB14-2500/10/0.4	2500	10 kV	0.4 kV	Dyn11 (IEC)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCB14-2500/6/0.4	2500	6 kV	0.4 kV	Dyn11 (IEC)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCB14-2500/35/0.4	2500	35 kV	0.4 kV	Dyn11 (IEC)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCB14-2500/10/0.48	2500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	5800 kg	2000×1300×2250 mm
SCB14-2500/10/0.22	2500	10 kV	0.22 kV	Dyn11 (IEC)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCB14-2500/0.48/0.208	2500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	30890	77225	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	5800 kg	2000×1300×2250 mm
SCB14-3150/10/0.4	3150	10 kV	0.4 kV	Dyn11 (IEC)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCB14-3150/6/0.4	3150	6 kV	0.4 kV	Dyn11 (IEC)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCB14-3150/35/0.4	3150	35 kV	0.4 kV	Dyn11 (IEC)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCB14-3150/10/0.48	3150	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	7000 kg	2100×1400×2400 mm
SCB14-3150/10/0.22	3150	10 kV	0.22 kV	Dyn11 (IEC)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCB14-3150/0.48/0.208	3150	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	36490	91225	0.4	7	≤51 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	7000 kg	2100×1400×2400 mm
SCB14-4000/10/0.4	4000	10 kV	0.4 kV	Dyn11 (IEC)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCB14-4000/6/0.4	4000	6 kV	0.4 kV	Dyn11 (IEC)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm

Model	Rated Capacity	HV Voltage	LV Voltage	Connection	Cooling	No-load Loss (W)	Load Loss (W)	No-load Current (%)	Impedance (%)	Noise (dB)	Insulation Class	Standard	Weight (kg) †	Dimensions (L×W×H) †
SCB14-4000/35/0.4	4000	35 kV	0.4 kV	Dyn11 (IEC)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCB14-4000/10/0.48	4000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	8300 kg	2200×1500×2550 mm
SCB14-4000/10/0.22	4000	10 kV	0.22 kV	Dyn11 (IEC)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCB14-4000/0.48/0.208	4000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	43340	108350	0.4	7	≤52 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	8300 kg	2200×1500×2550 mm
SCB14-5000/10/0.4	5000	10 kV	0.4 kV	Dyn11 (IEC)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCB14-5000/6/0.4	5000	6 kV	0.4 kV	Dyn11 (IEC)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCB14-5000/35/0.4	5000	35 kV	0.4 kV	Dyn11 (IEC)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCB14-5000/10/0.48	5000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	10000 kg	2400×1600×2700 mm
SCB14-5000/10/0.22	5000	10 kV	0.22 kV	Dyn11 (IEC)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCB14-5000/0.48/0.208	5000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	50890	127225	0.4	7	≤53 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	10000 kg	2400×1600×2700 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

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