QDTB® TRANSFORMER

SCR

Dry-Type Transformers

PRODUCT DATASHEET

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SCR — Series Overview

The SCR series features special structural designs for specific application requirements, offering customized solutions for challenging environments. 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

- Customized structural design
- Adapted for special environments
- Enhanced mechanical strength
- Tailored performance characteristics

Typical Applications

- Harsh environments
- Special industrial processes
- Custom installation requirements
- Unique application scenarios

Model Number Breakdown

S — Three-phase power transformer

C — Cast resin insulation, dry-type transformer

R — Special structure design

Model Specifications

162 model(s) in the SCR 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) †
SCR-10/10/0.4	10	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCR-10/6/0.4	10	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCR-10/35/0.4	10	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCR-10/10/0.48	10	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	300 kg	700×500×800 mm
SCR-10/10/0.22	10	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEC 60076	300 kg	700×500×800 mm
SCR-10/0.48/0.208	10	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	820	2050	1.9	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	300 kg	700×500×800 mm
SCR-15/10/0.4	15	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCR-15/6/0.4	15	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCR-15/35/0.4	15	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCR-15/10/0.48	15	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	340 kg	740×525×850 mm
SCR-15/10/0.22	15	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEC 60076	340 kg	740×525×850 mm
SCR-15/0.48/0.208	15	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1100	2750	1.6	4	≤36 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	340 kg	740×525×850 mm
SCR-20/10/0.4	20	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1350	3375	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCR-20/6/0.4	20	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1350	3375	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCR-20/35/0.4	20	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1350	3375	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCR-20/10/0.48	20	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1350	3375	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) †
SCR-20/10/0.22	20	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1350	3375	1.5	4	≤37 dB(A)	F (155°C)	IEC 60076	380 kg	780×550×900 mm
SCR-20/0.48/0.208	20	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1350	3375	1.5	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	380 kg	780×550×900 mm
SCR-25/10/0.4	25	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCR-25/6/0.4	25	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCR-25/35/0.4	25	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCR-25/10/0.48	25	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	420 kg	830×585×940 mm
SCR-25/10/0.22	25	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEC 60076	420 kg	830×585×940 mm
SCR-25/0.48/0.208	25	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1580	3950	1.4	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	420 kg	830×585×940 mm
SCR-30/10/0.4	30	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCR-30/6/0.4	30	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCR-30/35/0.4	30	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCR-30/10/0.48	30	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	460 kg	880×620×980 mm
SCR-30/10/0.22	30	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEC 60076	460 kg	880×620×980 mm
SCR-30/0.48/0.208	30	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	1810	4525	1.3	4	≤37 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	460 kg	880×620×980 mm
SCR-40/10/0.4	40	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2220	5550	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCR-40/6/0.4	40	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2220	5550	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCR-40/35/0.4	40	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2220	5550	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) †
SCR-40/10/0.48	40	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	2220	5550	1.2	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	510 kg	940×690×1040 mm
SCR-40/10/0.22	40	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	2220	5550	1.2	4	≤38 dB(A)	F (155°C)	IEC 60076	510 kg	940×690×1040 mm
SCR-40/0.48/0.208	40	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	2220	5550	1.2	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	510 kg	940×690×1040 mm
SCR-50/10/0.4	50	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCR-50/6/0.4	50	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCR-50/35/0.4	50	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCR-50/10/0.48	50	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	560 kg	1000×760×1100 mm
SCR-50/10/0.22	50	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEC 60076	560 kg	1000×760×1100 mm
SCR-50/0.48/0.208	50	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	2610	6525	1.1	4	≤38 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	560 kg	1000×760×1100 mm
SCR-63/10/0.4	63	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCR-63/6/0.4	63	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCR-63/35/0.4	63	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCR-63/10/0.48	63	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	620 kg	1020×775×1135 mm
SCR-63/10/0.22	63	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEC 60076	620 kg	1020×775×1135 mm
SCR-63/0.48/0.208	63	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	3080	7700	1	4	≤39 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	620 kg	1020×775×1135 mm
SCR-80/10/0.4	80	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3660	9150	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCR-80/6/0.4	80	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3660	9150	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) †
SCR-80/35/0.4	80	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	3660	9150	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCR-80/10/0.48	80	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	3660	9150	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	700 kg	1050×800×1180 mm
SCR-80/10/0.22	80	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	3660	9150	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	700 kg	1050×800×1180 mm
SCR-80/0.48/0.208	80	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	3660	9150	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	700 kg	1050×800×1180 mm
SCR-100/10/0.4	100	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCR-100/6/0.4	100	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCR-100/35/0.4	100	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCR-100/10/0.48	100	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	800 kg	1100×800×1250 mm
SCR-100/10/0.22	100	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEC 60076	800 kg	1100×800×1250 mm
SCR-100/0.48/0.208	100	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	4300	10750	0.9	4	≤40 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	800 kg	1100×800×1250 mm
SCR-125/10/0.4	125	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCR-125/6/0.4	125	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCR-125/35/0.4	125	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCR-125/10/0.48	125	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	900 kg	1150×820×1300 mm
SCR-125/10/0.22	125	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	900 kg	1150×820×1300 mm
SCR-125/0.48/0.208	125	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	5050	12625	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	900 kg	1150×820×1300 mm
SCR-160/10/0.4	160	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm

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SCR-160/6/0.4	160	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCR-160/35/0.4	160	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCR-160/10/0.48	160	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1050 kg	1200×850×1350 mm
SCR-160/10/0.22	160	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEC 60076	1050 kg	1200×850×1350 mm
SCR-160/0.48/0.208	160	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	6030	15075	0.8	4.5	≤41 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1050 kg	1200×850×1350 mm
SCR-200/10/0.4	200	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCR-200/6/0.4	200	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCR-200/35/0.4	200	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCR-200/10/0.48	200	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1200 kg	1250×880×1400 mm
SCR-200/10/0.22	200	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEC 60076	1200 kg	1250×880×1400 mm
SCR-200/0.48/0.208	200	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	7080	17700	0.7	4.5	≤42 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1200 kg	1250×880×1400 mm
SCR-250/10/0.4	250	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCR-250/6/0.4	250	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCR-250/35/0.4	250	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCR-250/10/0.48	250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1350 kg	1300×900×1450 mm
SCR-250/10/0.22	250	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1350 kg	1300×900×1450 mm
SCR-250/0.48/0.208	250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	8310	20775	0.7	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1350 kg	1300×900×1450 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) †
SCR-315/10/0.4	315	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCR-315/6/0.4	315	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCR-315/35/0.4	315	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCR-315/10/0.48	315	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1550 kg	1350×950×1500 mm
SCR-315/10/0.22	315	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEC 60076	1550 kg	1350×950×1500 mm
SCR-315/0.48/0.208	315	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	9820	24550	0.6	4.5	≤43 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1550 kg	1350×950×1500 mm
SCR-400/10/0.4	400	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCR-400/6/0.4	400	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCR-400/35/0.4	400	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCR-400/10/0.48	400	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1800 kg	1400×980×1550 mm
SCR-400/10/0.22	400	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEC 60076	1800 kg	1400×980×1550 mm
SCR-400/0.48/0.208	400	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	11660	29150	0.6	4.5	≤44 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	1800 kg	1400×980×1550 mm
SCR-500/10/0.4	500	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13690	34225	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCR-500/6/0.4	500	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13690	34225	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCR-500/35/0.4	500	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	13690	34225	0.6	4.5	≤45 dB(A)	F (155°C)	IEC 60076	2100 kg	1450×1000×1600 mm
SCR-500/10/0.48	500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	13690	34225	0.6	4.5	≤45 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2100 kg	1450×1000×1600 mm
SCR-500/10/0.22	500	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	13690	34225	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) †
SCR-500/0.48/0.208	500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	13690	34225	0.6	4.5	≤45 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2100 kg	1450×1000×1600 mm
SCR-630/10/0.4	630	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCR-630/6/0.4	630	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCR-630/35/0.4	630	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCR-630/10/0.48	630	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2400 kg	1500×1050×1700 mm
SCR-630/10/0.22	630	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEC 60076	2400 kg	1500×1050×1700 mm
SCR-630/0.48/0.208	630	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	16170	40425	0.5	4.5	≤46 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2400 kg	1500×1050×1700 mm
SCR-800/10/0.4	800	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCR-800/6/0.4	800	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCR-800/35/0.4	800	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCR-800/10/0.48	800	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2700 kg	1550×1080×1800 mm
SCR-800/10/0.22	800	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	2700 kg	1550×1080×1800 mm
SCR-800/0.48/0.208	800	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	19200	48000	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	2700 kg	1550×1080×1800 mm
SCR-1000/10/0.4	1000	10 kV	0.4 kV	Dyn11 (IEC)	AN/AF	22550	56375	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCR-1000/6/0.4	1000	6 kV	0.4 kV	Dyn11 (IEC)	AN/AF	22550	56375	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCR-1000/35/0.4	1000	35 kV	0.4 kV	Dyn11 (IEC)	AN/AF	22550	56375	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCR-1000/10/0.48	1000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AN/AF	22550	56375	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) †
SCR-1000/10/0.22	1000	10 kV	0.22 kV	Dyn11 (IEC)	AN/AF	22550	56375	0.5	6	≤47 dB(A)	F (155°C)	IEC 60076	3000 kg	1600×1100×1850 mm
SCR-1000/0.48/0.208	1000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN/AF	22550	56375	0.5	6	≤47 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3000 kg	1600×1100×1850 mm
SCR-1250/10/0.4	1250	10 kV	0.4 kV	Dyn11 (IEC)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCR-1250/6/0.4	1250	6 kV	0.4 kV	Dyn11 (IEC)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCR-1250/35/0.4	1250	35 kV	0.4 kV	Dyn11 (IEC)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCR-1250/10/0.48	1250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3500 kg	1700×1150×1950 mm
SCR-1250/10/0.22	1250	10 kV	0.22 kV	Dyn11 (IEC)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEC 60076	3500 kg	1700×1150×1950 mm
SCR-1250/0.48/0.208	1250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	26480	66200	0.5	6	≤48 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	3500 kg	1700×1150×1950 mm
SCR-1600/10/0.4	1600	10 kV	0.4 kV	Dyn11 (IEC)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCR-1600/6/0.4	1600	6 kV	0.4 kV	Dyn11 (IEC)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCR-1600/35/0.4	1600	35 kV	0.4 kV	Dyn11 (IEC)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCR-1600/10/0.48	1600	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4100 kg	1800×1200×2050 mm
SCR-1600/10/0.22	1600	10 kV	0.22 kV	Dyn11 (IEC)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEC 60076	4100 kg	1800×1200×2050 mm
SCR-1600/0.48/0.208	1600	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	31630	79075	0.5	6	≤49 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4100 kg	1800×1200×2050 mm
SCR-2000/10/0.4	2000	10 kV	0.4 kV	Dyn11 (IEC)	AF	37140	92850	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCR-2000/6/0.4	2000	6 kV	0.4 kV	Dyn11 (IEC)	AF	37140	92850	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCR-2000/35/0.4	2000	35 kV	0.4 kV	Dyn11 (IEC)	AF	37140	92850	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) †
SCR-2000/10/0.48	2000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	37140	92850	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4800 kg	1900×1250×2150 mm
SCR-2000/10/0.22	2000	10 kV	0.22 kV	Dyn11 (IEC)	AF	37140	92850	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	4800 kg	1900×1250×2150 mm
SCR-2000/0.48/0.208	2000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	37140	92850	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	4800 kg	1900×1250×2150 mm
SCR-2500/10/0.4	2500	10 kV	0.4 kV	Dyn11 (IEC)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCR-2500/6/0.4	2500	6 kV	0.4 kV	Dyn11 (IEC)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCR-2500/35/0.4	2500	35 kV	0.4 kV	Dyn11 (IEC)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCR-2500/10/0.48	2500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	5800 kg	2000×1300×2250 mm
SCR-2500/10/0.22	2500	10 kV	0.22 kV	Dyn11 (IEC)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEC 60076	5800 kg	2000×1300×2250 mm
SCR-2500/0.48/0.208	2500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	43620	109050	0.4	6	≤50 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	5800 kg	2000×1300×2250 mm
SCR-3150/10/0.4	3150	10 kV	0.4 kV	Dyn11 (IEC)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCR-3150/6/0.4	3150	6 kV	0.4 kV	Dyn11 (IEC)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCR-3150/35/0.4	3150	35 kV	0.4 kV	Dyn11 (IEC)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCR-3150/10/0.48	3150	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	7000 kg	2100×1400×2400 mm
SCR-3150/10/0.22	3150	10 kV	0.22 kV	Dyn11 (IEC)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEC 60076	7000 kg	2100×1400×2400 mm
SCR-3150/0.48/0.208	3150	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	51510	128775	0.4	7	≤51 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	7000 kg	2100×1400×2400 mm
SCR-4000/10/0.4	4000	10 kV	0.4 kV	Dyn11 (IEC)	AF	61180	152950	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCR-4000/6/0.4	4000	6 kV	0.4 kV	Dyn11 (IEC)	AF	61180	152950	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) †
SCR-4000/35/0.4	4000	35 kV	0.4 kV	Dyn11 (IEC)	AF	61180	152950	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCR-4000/10/0.48	4000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	61180	152950	0.4	7	≤52 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	8300 kg	2200×1500×2550 mm
SCR-4000/10/0.22	4000	10 kV	0.22 kV	Dyn11 (IEC)	AF	61180	152950	0.4	7	≤52 dB(A)	F (155°C)	IEC 60076	8300 kg	2200×1500×2550 mm
SCR-4000/0.48/0.208	4000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	61180	152950	0.4	7	≤52 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	8300 kg	2200×1500×2550 mm
SCR-5000/10/0.4	5000	10 kV	0.4 kV	Dyn11 (IEC)	AF	71840	179600	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCR-5000/6/0.4	5000	6 kV	0.4 kV	Dyn11 (IEC)	AF	71840	179600	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCR-5000/35/0.4	5000	35 kV	0.4 kV	Dyn11 (IEC)	AF	71840	179600	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCR-5000/10/0.48	5000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	AF	71840	179600	0.4	7	≤53 dB(A)	F (155°C)	IEEE C57 / ANSI C84.1	10000 kg	2400×1600×2700 mm
SCR-5000/10/0.22	5000	10 kV	0.22 kV	Dyn11 (IEC)	AF	71840	179600	0.4	7	≤53 dB(A)	F (155°C)	IEC 60076	10000 kg	2400×1600×2700 mm
SCR-5000/0.48/0.208	5000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AF	71840	179600	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.

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