QDTB® TRANSFORMER

S11

Oil-Immersed Transformers

PRODUCT DATASHEET

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

S11 — Series Overview

The S11 series represents standard oil-immersed distribution transformers meeting Level 11 energy efficiency standards, widely used in power distribution networks. Rated 10–5000 kVA, 0.48–35 kV primary and 0.208–0.48 kV secondary, mineral-oil insulation with 65 K temperature rise. Suitable for utility distribution networks, substations, solar farms, and industrial power systems.

Key Features

- Level 11 energy efficiency rating
- Reliable oil-immersion insulation
- Proven technology with long service life
- Suitable for outdoor installation

Typical Applications

- Power distribution networks
- Industrial power supply
- Rural electrification
- General utility applications

Model Number Breakdown

S — Three-phase power transformer

11 — Performance level designation, corresponds to Level 11 energy efficiency standard

Model Specifications

162 model(s) in the S11 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) †	Oil Weight (kg) †
S11-R-M-10/10/0.4	10	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEC 60076	250 kg	650×450×750 mm	70 kg
S11-R-M-10/6/0.4	10	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEC 60076	250 kg	650×450×750 mm	70 kg
S11-R-M-10/35/0.4	10	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEC 60076	250 kg	650×450×750 mm	70 kg
S11-R-M-10/10/0.48	10	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	250 kg	650×450×750 mm	70 kg
S11-R-M-10/10/0.22	10	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEC 60076	250 kg	650×450×750 mm	70 kg
S11-R-M-10/0.48/0.208	10	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	510	1275	1.3	4	≤33 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	250 kg	650×450×750 mm	70 kg
S11-R-M-15/10/0.4	15	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEC 60076	270 kg	675×475×775 mm	75 kg
S11-R-M-15/6/0.4	15	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEC 60076	270 kg	675×475×775 mm	75 kg
S11-R-M-15/35/0.4	15	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEC 60076	270 kg	675×475×775 mm	75 kg
S11-R-M-15/10/0.48	15	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	270 kg	675×475×775 mm	75 kg
S11-R-M-15/10/0.22	15	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEC 60076	270 kg	675×475×775 mm	75 kg
S11-R-M-15/0.48/0.208	15	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	690	1725	1.1	4	≤33 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	270 kg	675×475×775 mm	75 kg
S11-R-M-20/10/0.4	20	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEC 60076	290 kg	700×500×800 mm	80 kg
S11-R-M-20/6/0.4	20	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEC 60076	290 kg	700×500×800 mm	80 kg

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) †	Oil Weight (kg) †
S11-R-M-20/35/0.4	20	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEC 60076	290 kg	700×500×800 mm	80 kg
S11-R-M-20/10/0.48	20	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	290 kg	700×500×800 mm	80 kg
S11-R-M-20/10/0.22	20	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEC 60076	290 kg	700×500×800 mm	80 kg
S11-R-M-20/0.48/0.208	20	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	850	2125	1	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	290 kg	700×500×800 mm	80 kg
S11-R-M-25/10/0.4	25	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	315 kg	785×550×825 mm	85 kg
S11-R-M-25/6/0.4	25	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	315 kg	785×550×825 mm	85 kg
S11-R-M-25/35/0.4	25	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	315 kg	785×550×825 mm	85 kg
S11-R-M-25/10/0.48	25	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	315 kg	785×550×825 mm	85 kg
S11-R-M-25/10/0.22	25	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	315 kg	785×550×825 mm	85 kg
S11-R-M-25/0.48/0.208	25	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	1010	2525	0.9	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	315 kg	785×550×825 mm	85 kg
S11-R-M-30/10/0.4	30	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	340 kg	870×600×850 mm	90 kg
S11-R-M-30/6/0.4	30	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	340 kg	870×600×850 mm	90 kg
S11-R-M-30/35/0.4	30	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	340 kg	870×600×850 mm	90 kg
S11-R-M-30/10/0.48	30	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	340 kg	870×600×850 mm	90 kg
S11-R-M-30/10/0.22	30	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEC 60076	340 kg	870×600×850 mm	90 kg

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) †	Oil Weight (kg) †
S11-R-M-30/0.48/0.208	30	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	1150	2875	0.9	4	≤34 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	340 kg	870×600×850 mm	90 kg
S11-R-M-40/10/0.4	40	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEC 60076	405 kg	885×610×875 mm	100 kg
S11-R-M-40/6/0.4	40	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEC 60076	405 kg	885×610×875 mm	100 kg
S11-R-M-40/35/0.4	40	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEC 60076	405 kg	885×610×875 mm	100 kg
S11-R-M-40/10/0.48	40	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	405 kg	885×610×875 mm	100 kg
S11-R-M-40/10/0.22	40	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEC 60076	405 kg	885×610×875 mm	100 kg
S11-R-M-40/0.48/0.208	40	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	1430	3575	0.8	4	≤35 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	405 kg	885×610×875 mm	100 kg
S11-R-M-50/10/0.4	50	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEC 60076	470 kg	900×620×900 mm	110 kg
S11-R-M-50/6/0.4	50	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEC 60076	470 kg	900×620×900 mm	110 kg
S11-R-M-50/35/0.4	50	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEC 60076	470 kg	900×620×900 mm	110 kg
S11-R-M-50/10/0.48	50	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	470 kg	900×620×900 mm	110 kg
S11-R-M-50/10/0.22	50	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEC 60076	470 kg	900×620×900 mm	110 kg
S11-R-M-50/0.48/0.208	50	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	1690	4225	0.7	4	≤35 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	470 kg	900×620×900 mm	110 kg
S11-R-M-63/10/0.4	63	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEC 60076	525 kg	945×645×945 mm	120 kg
S11-R-M-63/6/0.4	63	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEC 60076	525 kg	945×645×945 mm	120 kg

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) †	Oil Weight (kg) †
S11-R-M-63/35/0.4	63	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEC 60076	525 kg	945×645×945 mm	120 kg
S11-R-M-63/10/0.48	63	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	525 kg	945×645×945 mm	120 kg
S11-R-M-63/10/0.22	63	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEC 60076	525 kg	945×645×945 mm	120 kg
S11-R-M-63/0.48/0.208	63	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	2010	5025	0.7	4	≤36 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	525 kg	945×645×945 mm	120 kg
S11-R-M-80/10/0.4	80	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	600 kg	1000×680×1000 mm	135 kg
S11-R-M-80/6/0.4	80	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	600 kg	1000×680×1000 mm	135 kg
S11-R-M-80/35/0.4	80	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	600 kg	1000×680×1000 mm	135 kg
S11-R-M-80/10/0.48	80	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	600 kg	1000×680×1000 mm	135 kg
S11-R-M-80/10/0.22	80	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	600 kg	1000×680×1000 mm	135 kg
S11-R-M-80/0.48/0.208	80	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	2410	6025	0.6	4	≤37 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	600 kg	1000×680×1000 mm	135 kg
S11-R-M-100/10/0.4	100	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	670 kg	1050×700×1080 mm	155 kg
S11-R-M-100/6/0.4	100	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	670 kg	1050×700×1080 mm	155 kg
S11-R-M-100/35/0.4	100	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	670 kg	1050×700×1080 mm	155 kg
S11-R-M-100/10/0.48	100	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	670 kg	1050×700×1080 mm	155 kg
S11-R-M-100/10/0.22	100	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEC 60076	670 kg	1050×700×1080 mm	155 kg

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) †	Oil Weight (kg) †
S11-R-M-100/0.48/0.208	100	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	2850	7125	0.6	4	≤37 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	670 kg	1050×700×1080 mm	155 kg
S11-R-M-125/10/0.4	125	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	730 kg	1080×720×1100 mm	170 kg
S11-R-M-125/6/0.4	125	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	730 kg	1080×720×1100 mm	170 kg
S11-R-M-125/35/0.4	125	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	730 kg	1080×720×1100 mm	170 kg
S11-R-M-125/10/0.48	125	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	730 kg	1080×720×1100 mm	170 kg
S11-R-M-125/10/0.22	125	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	730 kg	1080×720×1100 mm	170 kg
S11-R-M-125/0.48/0.208	125	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	3360	8400	0.5	4.5	≤38 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	730 kg	1080×720×1100 mm	170 kg
S11-R-M-160/10/0.4	160	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	800 kg	1110×970×1290 mm	190 kg
S11-R-M-160/6/0.4	160	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	800 kg	1110×970×1290 mm	190 kg
S11-R-M-160/35/0.4	160	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	800 kg	1110×970×1290 mm	190 kg
S11-R-M-160/10/0.48	160	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	800 kg	1110×970×1290 mm	190 kg
S11-R-M-160/10/0.22	160	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEC 60076	800 kg	1110×970×1290 mm	190 kg
S11-R-M-160/0.48/0.208	160	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	4050	10125	0.5	4.5	≤38 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	800 kg	1110×970×1290 mm	190 kg
S11-R-M-200/10/0.4	200	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEC 60076	930 kg	1180×1020×1310 mm	215 kg
S11-R-M-200/6/0.4	200	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEC 60076	930 kg	1180×1020×1310 mm	215 kg

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) †	Oil Weight (kg) †
S11-R-M-200/35/0.4	200	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEC 60076	930 kg	1180×1020×1310 mm	215 kg
S11-R-M-200/10/0.48	200	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	930 kg	1180×1020×1310 mm	215 kg
S11-R-M-200/10/0.22	200	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEC 60076	930 kg	1180×1020×1310 mm	215 kg
S11-R-M-200/0.48/0.208	200	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	4790	11975	0.5	4.5	≤39 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	930 kg	1180×1020×1310 mm	215 kg
S11-R-M-250/10/0.4	250	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-250/6/0.4	250	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-250/35/0.4	250	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-250/10/0.48	250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-250/10/0.22	250	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-250/0.48/0.208	250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	5660	14150	0.4	4.5	≤40 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1050 kg	1190×1030×1300 mm	245 kg
S11-R-M-315/10/0.4	315	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1250 kg	1290×1120×1360 mm	290 kg
S11-R-M-315/6/0.4	315	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1250 kg	1290×1120×1360 mm	290 kg
S11-R-M-315/35/0.4	315	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1250 kg	1290×1120×1360 mm	290 kg
S11-R-M-315/10/0.48	315	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1250 kg	1290×1120×1360 mm	290 kg
S11-R-M-315/10/0.22	315	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEC 60076	1250 kg	1290×1120×1360 mm	290 kg

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) †	Oil Weight (kg) †
S11-R-M-315/0.48/0.208	315	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	6730	16825	0.4	4.5	≤40 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1250 kg	1290×1120×1360 mm	290 kg
S11-R-M-400/10/0.4	400	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEC 60076	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-400/6/0.4	400	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEC 60076	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-400/35/0.4	400	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEC 60076	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-400/10/0.48	400	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-400/10/0.22	400	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEC 60076	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-400/0.48/0.208	400	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	8050	20125	0.4	4.5	≤41 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1400 kg	1280×1110×1410 mm	330 kg
S11-R-M-500/10/0.4	500	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEC 60076	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-500/6/0.4	500	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEC 60076	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-500/35/0.4	500	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEC 60076	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-500/10/0.48	500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-500/10/0.22	500	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEC 60076	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-500/0.48/0.208	500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	9520	23800	0.4	4.5	≤42 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	1580 kg	1400×1210×1420 mm	370 kg
S11-R-M-630/10/0.4	630	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEC 60076	2000 kg	1440×1250×1490 mm	470 kg
S11-R-M-630/6/0.4	630	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEC 60076	2000 kg	1440×1250×1490 mm	470 kg

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) †	Oil Weight (kg) †
S11-R-M-630/35/0.4	630	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEC 60076	2000 kg	1440×1250×1490 mm	470 kg
S11-R-M-630/10/0.48	630	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	2000 kg	1440×1250×1490 mm	470 kg
S11-R-M-630/10/0.22	630	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEC 60076	2000 kg	1440×1250×1490 mm	470 kg
S11-R-M-630/0.48/0.208	630	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	11320	28300	0.4	4.5	≤43 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	2000 kg	1440×1250×1490 mm	470 kg
S11-R-M-800/10/0.4	800	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-800/6/0.4	800	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-800/35/0.4	800	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-800/10/0.48	800	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-800/10/0.22	800	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-800/0.48/0.208	800	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	13540	33850	0.3	6	≤44 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	2250 kg	1540×1340×1520 mm	530 kg
S11-R-M-1000/10/0.4	1000	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	3000 kg	1715×1485×1725 mm	655 kg
S11-R-M-1000/6/0.4	1000	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	3000 kg	1715×1485×1725 mm	655 kg
S11-R-M-1000/35/0.4	1000	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	3000 kg	1715×1485×1725 mm	655 kg
S11-R-M-1000/10/0.48	1000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	3000 kg	1715×1485×1725 mm	655 kg
S11-R-M-1000/10/0.22	1000	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEC 60076	3000 kg	1715×1485×1725 mm	655 kg

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) †	Oil Weight (kg) †
S11-R-M-1000/0.48/0.208	1000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	16000	40000	0.3	6	≤44 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	3000 kg	1715×1485×1725 mm	655 kg
S11-R-M-1250/10/0.4	1250	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEC 60076	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1250/6/0.4	1250	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEC 60076	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1250/35/0.4	1250	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEC 60076	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1250/10/0.48	1250	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1250/10/0.22	1250	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEC 60076	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1250/0.48/0.208	1250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	18920	47300	0.3	6	≤45 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	3450 kg	1710×1480×1830 mm	700 kg
S11-R-M-1600/10/0.4	1600	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEC 60076	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-1600/6/0.4	1600	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEC 60076	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-1600/35/0.4	1600	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEC 60076	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-1600/10/0.48	1600	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-1600/10/0.22	1600	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEC 60076	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-1600/0.48/0.208	1600	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	22770	56925	0.3	6	≤46 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	4450 kg	1880×1630×1940 mm	1045 kg
S11-R-M-2000/10/0.4	2000	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5000 kg	2000×1700×2000 mm	1150 kg
S11-R-M-2000/6/0.4	2000	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5000 kg	2000×1700×2000 mm	1150 kg

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) †	Oil Weight (kg) †
S11-R-M-2000/35/0.4	2000	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5000 kg	2000×1700×2000 mm	1150 kg
S11-R-M-2000/10/0.48	2000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	5000 kg	2000×1700×2000 mm	1150 kg
S11-R-M-2000/10/0.22	2000	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5000 kg	2000×1700×2000 mm	1150 kg
S11-R-M-2000/0.48/0.208	2000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	26920	67300	0.3	6	≤47 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	5000 kg	2000×1700×2000 mm	1150 kg
S11-R-M-2500/10/0.4	2500	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-2500/6/0.4	2500	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-2500/35/0.4	2500	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-2500/10/0.48	2500	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-2500/10/0.22	2500	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEC 60076	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-2500/0.48/0.208	2500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	31820	79550	0.3	6	≤47 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	5800 kg	2180×1320×1970 mm	1300 kg
S11-R-M-3150/10/0.4	3150	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEC 60076	6900 kg	2300×1450×2100 mm	1500 kg
S11-R-M-3150/6/0.4	3150	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEC 60076	6900 kg	2300×1450×2100 mm	1500 kg
S11-R-M-3150/35/0.4	3150	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEC 60076	6900 kg	2300×1450×2100 mm	1500 kg
S11-R-M-3150/10/0.48	3150	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	6900 kg	2300×1450×2100 mm	1500 kg
S11-R-M-3150/10/0.22	3150	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEC 60076	6900 kg	2300×1450×2100 mm	1500 kg

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) †	Oil Weight (kg) †
S11-R-M-3150/0.48/0.208	3150	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	37840	94600	0.3	7	≤48 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	6900 kg	2300×1450×2100 mm	1500 kg
S11-R-M-4000/10/0.4	4000	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEC 60076	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-4000/6/0.4	4000	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEC 60076	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-4000/35/0.4	4000	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEC 60076	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-4000/10/0.48	4000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-4000/10/0.22	4000	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEC 60076	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-4000/0.48/0.208	4000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	45270	113175	0.2	7	≤49 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	8300 kg	2500×1550×2250 mm	1800 kg
S11-R-M-5000/10/0.4	5000	10 kV	0.4 kV	Dyn11 (IEC)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEC 60076	10000 kg	2700×1650×2400 mm	2100 kg
S11-R-M-5000/6/0.4	5000	6 kV	0.4 kV	Dyn11 (IEC)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEC 60076	10000 kg	2700×1650×2400 mm	2100 kg
S11-R-M-5000/35/0.4	5000	35 kV	0.4 kV	Dyn11 (IEC)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEC 60076	10000 kg	2700×1650×2400 mm	2100 kg
S11-R-M-5000/10/0.48	5000	10 kV	0.48 kV	Delta-Wye (IEEE Std)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	10000 kg	2700×1650×2400 mm	2100 kg
S11-R-M-5000/10/0.22	5000	10 kV	0.22 kV	Dyn11 (IEC)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEC 60076	10000 kg	2700×1650×2400 mm	2100 kg
S11-R-M-5000/0.48/0.208	5000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	ONAN	53510	133775	0.2	7	≤50 dB(A)	A (105°C)	IEEE C57 / ANSI C84.1	10000 kg	2700×1650×2400 mm	2100 kg

† 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.