

QDTB® TRANSFORMER

ZGS Isolation Transformers

Special/Isolation/Control Transformers

PRODUCT DATASHEET

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ZGS Isolation Transformers — Series Overview

The ZGS series three-phase isolation control transformers provide galvanic isolation between primary and secondary circuits, with compact 0.1 kVA dry-type ratings, primary 220–660 V and secondary 120–240 V.

Key Features

- Three-phase isolation
- Dry-type construction, class H insulation
- Primary 220–660 V / secondary 120–240 V
- Compact 0.1 kVA rating

Typical Applications

- Control and auxiliary circuits
- Electrical isolation
- Mining face equipment

Model Specifications

256 model(s) in the ZGS Isolation Transformers 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) †
ZGS-0.1/0.48/0.208	0.1	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	0 kg	90×80×95 mm
ZGS-0.1/0.48/0.24	0.1	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	0 kg	90×80×95 mm
ZGS-0.1/0.22/0.12	0.1	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.1/0.38/0.22	0.1	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.1/0.66/0.38	0.1	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.1/0.4/0.22	0.1	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.1/10/0.4	0.1	10 kV	0.4 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.1/6/0.4	0.1	6 kV	0.4 kV	Dyn11 (IEC)	AN	22	55	8	4	≤33 dB(A)	H (180°C)	IEC 60076	0 kg	90×80×95 mm
ZGS-0.2/0.48/0.208	0.2	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	100×90×110 mm
ZGS-0.2/0.48/0.24	0.2	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	100×90×110 mm
ZGS-0.2/0.22/0.12	0.2	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm
ZGS-0.2/0.38/0.22	0.2	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm
ZGS-0.2/0.66/0.38	0.2	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm
ZGS-0.2/0.4/0.22	0.2	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm
ZGS-0.2/10/0.4	0.2	10 kV	0.4 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm
ZGS-0.2/6/0.4	0.2	6 kV	0.4 kV	Dyn11 (IEC)	AN	44	110	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	100×90×110 mm

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ZGS-0.3/0.48/0.208	0.3	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	110×100×120 mm
ZGS-0.3/0.48/0.24	0.3	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	110×100×120 mm
ZGS-0.3/0.22/0.12	0.3	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.3/0.38/0.22	0.3	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.3/0.66/0.38	0.3	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.3/0.4/0.22	0.3	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.3/10/0.4	0.3	10 kV	0.4 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.3/6/0.4	0.3	6 kV	0.4 kV	Dyn11 (IEC)	AN	55	138	8	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	110×100×120 mm
ZGS-0.5/0.48/0.208	0.5	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	120×110×130 mm
ZGS-0.5/0.48/0.24	0.5	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	5 kg	120×110×130 mm
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ZGS-0.5/0.38/0.22	0.5	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	120×110×130 mm
ZGS-0.5/0.66/0.38	0.5	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	120×110×130 mm
ZGS-0.5/0.4/0.22	0.5	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	120×110×130 mm
ZGS-0.5/10/0.4	0.5	10 kV	0.4 kV	Dyn11 (IEC)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	120×110×130 mm
ZGS-0.5/6/0.4	0.5	6 kV	0.4 kV	Dyn11 (IEC)	AN	88	220	7.1	4	≤33 dB(A)	H (180°C)	IEC 60076	5 kg	120×110×130 mm
ZGS-1/0.48/0.208	1	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	10 kg	140×130×150 mm

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ZGS-1/0.48/0.24	1	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	10 kg	140×130×150 mm
ZGS-1/0.22/0.12	1	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEC 60076	10 kg	140×130×150 mm
ZGS-1/0.38/0.22	1	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEC 60076	10 kg	140×130×150 mm
ZGS-1/0.66/0.38	1	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEC 60076	10 kg	140×130×150 mm
ZGS-1/0.4/0.22	1	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEC 60076	10 kg	140×130×150 mm
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ZGS-1/6/0.4	1	6 kV	0.4 kV	Dyn11 (IEC)	AN	143	358	5.5	4	≤33 dB(A)	H (180°C)	IEC 60076	10 kg	140×130×150 mm
ZGS-1.5/0.48/0.208	1.5	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	187	468	4.8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	15 kg	160×140×170 mm
ZGS-1.5/0.48/0.24	1.5	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	187	468	4.8	4	≤33 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	15 kg	160×140×170 mm
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ZGS-2/0.48/0.208	2	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	231	578	4.3	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	15 kg	170×150×180 mm
ZGS-2/0.48/0.24	2	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	231	578	4.3	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	15 kg	170×150×180 mm

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ZGS-2/0.22/0.12	2	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	231	578	4.3	4	≤34 dB(A)	H (180°C)	IEC 60076	15 kg	170×150×180 mm
ZGS-2/0.38/0.22	2	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	231	578	4.3	4	≤34 dB(A)	H (180°C)	IEC 60076	15 kg	170×150×180 mm
ZGS-2/0.66/0.38	2	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	231	578	4.3	4	≤34 dB(A)	H (180°C)	IEC 60076	15 kg	170×150×180 mm
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ZGS-3/0.48/0.208	3	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	319	798	3.7	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	20 kg	190×170×200 mm
ZGS-3/0.48/0.24	3	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	319	798	3.7	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	20 kg	190×170×200 mm
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ZGS-3/0.38/0.22	3	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	319	798	3.7	4	≤34 dB(A)	H (180°C)	IEC 60076	20 kg	190×170×200 mm
ZGS-3/0.66/0.38	3	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	319	798	3.7	4	≤34 dB(A)	H (180°C)	IEC 60076	20 kg	190×170×200 mm
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ZGS-3/6/0.4	3	6 kV	0.4 kV	Dyn11 (IEC)	AN	319	798	3.7	4	≤34 dB(A)	H (180°C)	IEC 60076	20 kg	190×170×200 mm
ZGS-4/0.48/0.208	4	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	385	962	3.4	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	25 kg	205×180×215 mm
ZGS-4/0.48/0.24	4	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	385	962	3.4	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	25 kg	205×180×215 mm
ZGS-4/0.22/0.12	4	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	385	962	3.4	4	≤34 dB(A)	H (180°C)	IEC 60076	25 kg	205×180×215 mm
ZGS-4/0.38/0.22	4	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	385	962	3.4	4	≤34 dB(A)	H (180°C)	IEC 60076	25 kg	205×180×215 mm

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ZGS-4/0.66/0.38	4	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	385	962	3.4	4	≤34 dB(A)	H (180°C)	IEC 60076	25 kg	205×180×215 mm
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ZGS-5/0.48/0.208	5	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	451	1128	3.1	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	30 kg	220×190×230 mm
ZGS-5/0.48/0.24	5	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	451	1128	3.1	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	30 kg	220×190×230 mm
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ZGS-5/0.38/0.22	5	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	451	1128	3.1	4	≤34 dB(A)	H (180°C)	IEC 60076	30 kg	220×190×230 mm
ZGS-5/0.66/0.38	5	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	451	1128	3.1	4	≤34 dB(A)	H (180°C)	IEC 60076	30 kg	220×190×230 mm
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ZGS-6.3/0.48/0.208	6.3	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	539	1348	2.9	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	40 kg	235×205×245 mm
ZGS-6.3/0.48/0.24	6.3	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	539	1348	2.9	4	≤34 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	40 kg	235×205×245 mm
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ZGS-6.3/6/0.4	6.3	6 kV	0.4 kV	Dyn11 (IEC)	AN	539	1348	2.9	4	≤34 dB(A)	H (180°C)	IEC 60076	40 kg	235×205×245 mm
ZGS-8/0.48/0.208	8	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	45 kg	255×225×265 mm
ZGS-8/0.48/0.24	8	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	45 kg	255×225×265 mm
ZGS-8/0.22/0.12	8	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-8/0.38/0.22	8	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-8/0.66/0.38	8	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-8/0.4/0.22	8	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-8/10/0.4	8	10 kV	0.4 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-8/6/0.4	8	6 kV	0.4 kV	Dyn11 (IEC)	AN	638	1595	2.7	4	≤35 dB(A)	H (180°C)	IEC 60076	45 kg	255×225×265 mm
ZGS-10/0.48/0.208	10	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	55 kg	280×240×290 mm
ZGS-10/0.48/0.24	10	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	55 kg	280×240×290 mm
ZGS-10/0.22/0.12	10	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 mm
ZGS-10/0.38/0.22	10	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 mm
ZGS-10/0.66/0.38	10	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 mm
ZGS-10/0.4/0.22	10	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 mm
ZGS-10/10/0.4	10	10 kV	0.4 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 mm
ZGS-10/6/0.4	10	6 kV	0.4 kV	Dyn11 (IEC)	AN	748	1870	2.5	4	≤35 dB(A)	H (180°C)	IEC 60076	55 kg	280×240×290 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) †
ZGS-15/0.48/0.208	15	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	75 kg	320×270×320 mm
ZGS-15/0.48/0.24	15	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	75 kg	320×270×320 mm
ZGS-15/0.22/0.12	15	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-15/0.38/0.22	15	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-15/0.66/0.38	15	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-15/0.4/0.22	15	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-15/10/0.4	15	10 kV	0.4 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-15/6/0.4	15	6 kV	0.4 kV	Dyn11 (IEC)	AN	1001	2502	2.2	4	≤36 dB(A)	H (180°C)	IEC 60076	75 kg	320×270×320 mm
ZGS-20/0.48/0.208	20	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	90 kg	350×300×350 mm
ZGS-20/0.48/0.24	20	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	90 kg	350×300×350 mm
ZGS-20/0.22/0.12	20	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-20/0.38/0.22	20	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-20/0.66/0.38	20	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-20/0.4/0.22	20	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-20/10/0.4	20	10 kV	0.4 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-20/6/0.4	20	6 kV	0.4 kV	Dyn11 (IEC)	AN	1232	3080	2	4	≤36 dB(A)	H (180°C)	IEC 60076	90 kg	350×300×350 mm
ZGS-25/0.48/0.208	25	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	110 kg	375×320×370 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) †
ZGS-25/0.48/0.24	25	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	110 kg	375×320×370 mm
ZGS-25/0.22/0.12	25	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-25/0.38/0.22	25	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-25/0.66/0.38	25	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-25/0.4/0.22	25	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-25/10/0.4	25	10 kV	0.4 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-25/6/0.4	25	6 kV	0.4 kV	Dyn11 (IEC)	AN	1452	3630	1.9	4	≤37 dB(A)	H (180°C)	IEC 60076	110 kg	375×320×370 mm
ZGS-30/0.48/0.208	30	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	130 kg	400×340×390 mm
ZGS-30/0.48/0.24	30	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	130 kg	400×340×390 mm
ZGS-30/0.22/0.12	30	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-30/0.38/0.22	30	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-30/0.66/0.38	30	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-30/0.4/0.22	30	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-30/10/0.4	30	10 kV	0.4 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-30/6/0.4	30	6 kV	0.4 kV	Dyn11 (IEC)	AN	1650	4125	1.8	4	≤37 dB(A)	H (180°C)	IEC 60076	130 kg	400×340×390 mm
ZGS-40/0.48/0.208	40	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	165 kg	425×360×420 mm
ZGS-40/0.48/0.24	40	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	165 kg	425×360×420 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) †
ZGS-40/0.22/0.12	40	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-40/0.38/0.22	40	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-40/0.66/0.38	40	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-40/0.4/0.22	40	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-40/10/0.4	40	10 kV	0.4 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-40/6/0.4	40	6 kV	0.4 kV	Dyn11 (IEC)	AN	2035	5088	1.6	4	≤38 dB(A)	H (180°C)	IEC 60076	165 kg	425×360×420 mm
ZGS-50/0.48/0.208	50	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	200 kg	450×380×450 mm
ZGS-50/0.48/0.24	50	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	200 kg	450×380×450 mm
ZGS-50/0.22/0.12	50	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-50/0.38/0.22	50	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-50/0.66/0.38	50	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-50/0.4/0.22	50	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-50/10/0.4	50	10 kV	0.4 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-50/6/0.4	50	6 kV	0.4 kV	Dyn11 (IEC)	AN	2387	5968	1.5	4	≤38 dB(A)	H (180°C)	IEC 60076	200 kg	450×380×450 mm
ZGS-63/0.48/0.208	63	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	240 kg	475×400×475 mm
ZGS-63/0.48/0.24	63	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	240 kg	475×400×475 mm
ZGS-63/0.22/0.12	63	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 mm
ZGS-63/0.38/0.22	63	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 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) †
ZGS-63/0.66/0.38	63	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 mm
ZGS-63/0.4/0.22	63	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 mm
ZGS-63/10/0.4	63	10 kV	0.4 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 mm
ZGS-63/6/0.4	63	6 kV	0.4 kV	Dyn11 (IEC)	AN	2827	7068	1.5	4	≤39 dB(A)	H (180°C)	IEC 60076	240 kg	475×400×475 mm
ZGS-80/0.48/0.208	80	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	295 kg	510×430×510 mm
ZGS-80/0.48/0.24	80	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	295 kg	510×430×510 mm
ZGS-80/0.22/0.12	80	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-80/0.38/0.22	80	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-80/0.66/0.38	80	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-80/0.4/0.22	80	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-80/10/0.4	80	10 kV	0.4 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-80/6/0.4	80	6 kV	0.4 kV	Dyn11 (IEC)	AN	3355	8388	1.4	4	≤40 dB(A)	H (180°C)	IEC 60076	295 kg	510×430×510 mm
ZGS-100/0.48/0.208	100	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	350 kg	550×460×550 mm
ZGS-100/0.48/0.24	100	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	350 kg	550×460×550 mm
ZGS-100/0.22/0.12	100	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 mm
ZGS-100/0.38/0.22	100	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 mm
ZGS-100/0.66/0.38	100	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 mm
ZGS-100/0.4/0.22	100	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 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) †
ZGS-100/10/0.4	100	10 kV	0.4 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 mm
ZGS-100/6/0.4	100	6 kV	0.4 kV	Dyn11 (IEC)	AN	3938	9845	1.3	4	≤40 dB(A)	H (180°C)	IEC 60076	350 kg	550×460×550 mm
ZGS-125/0.48/0.208	125	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	420 kg	570×475×570 mm
ZGS-125/0.48/0.24	125	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	420 kg	570×475×570 mm
ZGS-125/0.22/0.12	125	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-125/0.38/0.22	125	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-125/0.66/0.38	125	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-125/0.4/0.22	125	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-125/10/0.4	125	10 kV	0.4 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-125/6/0.4	125	6 kV	0.4 kV	Dyn11 (IEC)	AN	4620	11550	1.2	6	≤41 dB(A)	H (180°C)	IEC 60076	420 kg	570×475×570 mm
ZGS-160/0.48/0.208	160	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	520 kg	600×500×600 mm
ZGS-160/0.48/0.24	160	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	520 kg	600×500×600 mm
ZGS-160/0.22/0.12	160	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 mm
ZGS-160/0.38/0.22	160	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 mm
ZGS-160/0.66/0.38	160	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 mm
ZGS-160/0.4/0.22	160	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 mm
ZGS-160/10/0.4	160	10 kV	0.4 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 mm
ZGS-160/6/0.4	160	6 kV	0.4 kV	Dyn11 (IEC)	AN	5522	13805	1.2	6	≤42 dB(A)	H (180°C)	IEC 60076	520 kg	600×500×600 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) †
ZGS-200/0.48/0.208	200	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	620 kg	650×540×650 mm
ZGS-200/0.48/0.24	200	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	620 kg	650×540×650 mm
ZGS-200/0.22/0.12	200	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-200/0.38/0.22	200	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-200/0.66/0.38	200	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-200/0.4/0.22	200	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-200/10/0.4	200	10 kV	0.4 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-200/6/0.4	200	6 kV	0.4 kV	Dyn11 (IEC)	AN	6490	16225	1.1	6	≤42 dB(A)	H (180°C)	IEC 60076	620 kg	650×540×650 mm
ZGS-250/0.48/0.208	250	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	750 kg	700×580×700 mm
ZGS-250/0.48/0.24	250	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	750 kg	700×580×700 mm
ZGS-250/0.22/0.12	250	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-250/0.38/0.22	250	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-250/0.66/0.38	250	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-250/0.4/0.22	250	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-250/10/0.4	250	10 kV	0.4 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-250/6/0.4	250	6 kV	0.4 kV	Dyn11 (IEC)	AN	7623	19058	1	6	≤43 dB(A)	H (180°C)	IEC 60076	750 kg	700×580×700 mm
ZGS-315/0.48/0.208	315	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	900 kg	750×620×750 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) †
ZGS-315/0.48/0.24	315	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	900 kg	750×620×750 mm
ZGS-315/0.22/0.12	315	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-315/0.38/0.22	315	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-315/0.66/0.38	315	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-315/0.4/0.22	315	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-315/10/0.4	315	10 kV	0.4 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-315/6/0.4	315	6 kV	0.4 kV	Dyn11 (IEC)	AN	8998	22495	1	6	≤44 dB(A)	H (180°C)	IEC 60076	900 kg	750×620×750 mm
ZGS-400/0.48/0.208	400	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1100 kg	800×660×800 mm
ZGS-400/0.48/0.24	400	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1100 kg	800×660×800 mm
ZGS-400/0.22/0.12	400	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-400/0.38/0.22	400	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-400/0.66/0.38	400	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-400/0.4/0.22	400	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-400/10/0.4	400	10 kV	0.4 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-400/6/0.4	400	6 kV	0.4 kV	Dyn11 (IEC)	AN	10681	26702	1	6	≤44 dB(A)	H (180°C)	IEC 60076	1100 kg	800×660×800 mm
ZGS-500/0.48/0.208	500	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1300 kg	850×700×850 mm
ZGS-500/0.48/0.24	500	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1300 kg	850×700×850 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) †
ZGS-500/0.22/0.12	500	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-500/0.38/0.22	500	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-500/0.66/0.38	500	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-500/0.4/0.22	500	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-500/10/0.4	500	10 kV	0.4 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-500/6/0.4	500	6 kV	0.4 kV	Dyn11 (IEC)	AN	12551	31378	0.9	6	≤45 dB(A)	H (180°C)	IEC 60076	1300 kg	850×700×850 mm
ZGS-630/0.48/0.208	630	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1600 kg	900×750×950 mm
ZGS-630/0.48/0.24	630	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1600 kg	900×750×950 mm
ZGS-630/0.22/0.12	630	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-630/0.38/0.22	630	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-630/0.66/0.38	630	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-630/0.4/0.22	630	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-630/10/0.4	630	10 kV	0.4 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-630/6/0.4	630	6 kV	0.4 kV	Dyn11 (IEC)	AN	14817	37042	0.9	6	≤46 dB(A)	H (180°C)	IEC 60076	1600 kg	900×750×950 mm
ZGS-800/0.48/0.208	800	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1950 kg	1000×820×1000 mm
ZGS-800/0.48/0.24	800	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	1950 kg	1000×820×1000 mm
ZGS-800/0.22/0.12	800	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 mm
ZGS-800/0.38/0.22	800	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 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) †
ZGS-800/0.66/0.38	800	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 mm
ZGS-800/0.4/0.22	800	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 mm
ZGS-800/10/0.4	800	10 kV	0.4 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 mm
ZGS-800/6/0.4	800	6 kV	0.4 kV	Dyn11 (IEC)	AN	17600	44000	0.8	6	≤46 dB(A)	H (180°C)	IEC 60076	1950 kg	1000×820×1000 mm
ZGS-1000/0.48/0.208	1000	0.48 kV	0.208 kV	Delta-Wye (IEEE Std)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	2300 kg	1050×880×1100 mm
ZGS-1000/0.48/0.24	1000	0.48 kV	0.24 kV	Delta-Wye (IEEE Std)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEEE C57 / ANSI C84.1	2300 kg	1050×880×1100 mm
ZGS-1000/0.22/0.12	1000	0.22 kV	0.12 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 mm
ZGS-1000/0.38/0.22	1000	0.38 kV	0.22 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 mm
ZGS-1000/0.66/0.38	1000	0.66 kV	0.38 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 mm
ZGS-1000/0.4/0.22	1000	0.4 kV	0.22 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 mm
ZGS-1000/10/0.4	1000	10 kV	0.4 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 mm
ZGS-1000/6/0.4	1000	6 kV	0.4 kV	Dyn11 (IEC)	AN	20669	51672	0.8	6	≤47 dB(A)	H (180°C)	IEC 60076	2300 kg	1050×880×1100 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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