

GROUND ZERO[®]

GERMAN ENGINEERING

Datasheet

GZRW 12XSPL



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GroundZeroAudioCom

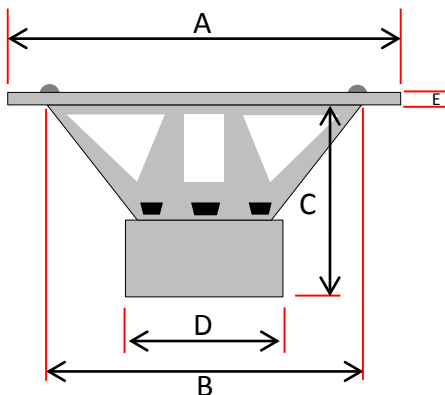
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TECHNICAL SPECIFICATIONS

Product name	GZRW 12XSPL
Product type	Subwoofer driver
Outer diameter	311 mm / 12.24"
Mounting diameter	288 mm / 11.34"
Mounting depth	166 mm / 6.54"
Magnet dimension	(2x) 170 x 20 mm
Total weight	9.0 kg
Voice coil diameter	75 mm / 3" round wire
Voice coil winding height	35 mm / 1.38"
Voice coil wire material	Copper
Voice coil former material	Aluminum
Top plate / height	10 mm / 0.39"
Linear excursion (one direction)	18 mm / 0.70"
Effective Xmax	45 mm / 1.78"
Top Plate and T-Yoke color	Black
Basket material	Steel
Basket color	Yellow
Spider material	(2x) POLYCOT
Surround type	High-roll sandwich foam
Cone material	Reinforced paper
Dustcap material	Convex IMPP with 3-D logo
Magnet cover	PVC

Gasket material	Foam
Terminal type	Black-chromed push terminal
Power handling	1500WSPL (1000 WRMS)*
Impedance	2x 2 ohms
$R_{e(Serial)}$	3,88 ohms
R_{es}	36.0 ohms
F_s	31.8 Hz
Q_{ms}	7.028
Q_{es}	0.758
Q_{ts}	0.684
R_{ms}	9.347 kg/s
C_{ms}	0.076 mm/N
M_{ms}	328.5 gr
BL	18.34 N/A
SPL (1w/1m)	82.8 dB
V_{AS}	27.2 L / 0.96 cu.ft
L_e	3.377 mH
S_d	502,73 cm ²
Recommended frequency range	35 – 100 Hz
Recommended amplifier power	800 – 1500 WRMS (@ 4 / 1 ohms)

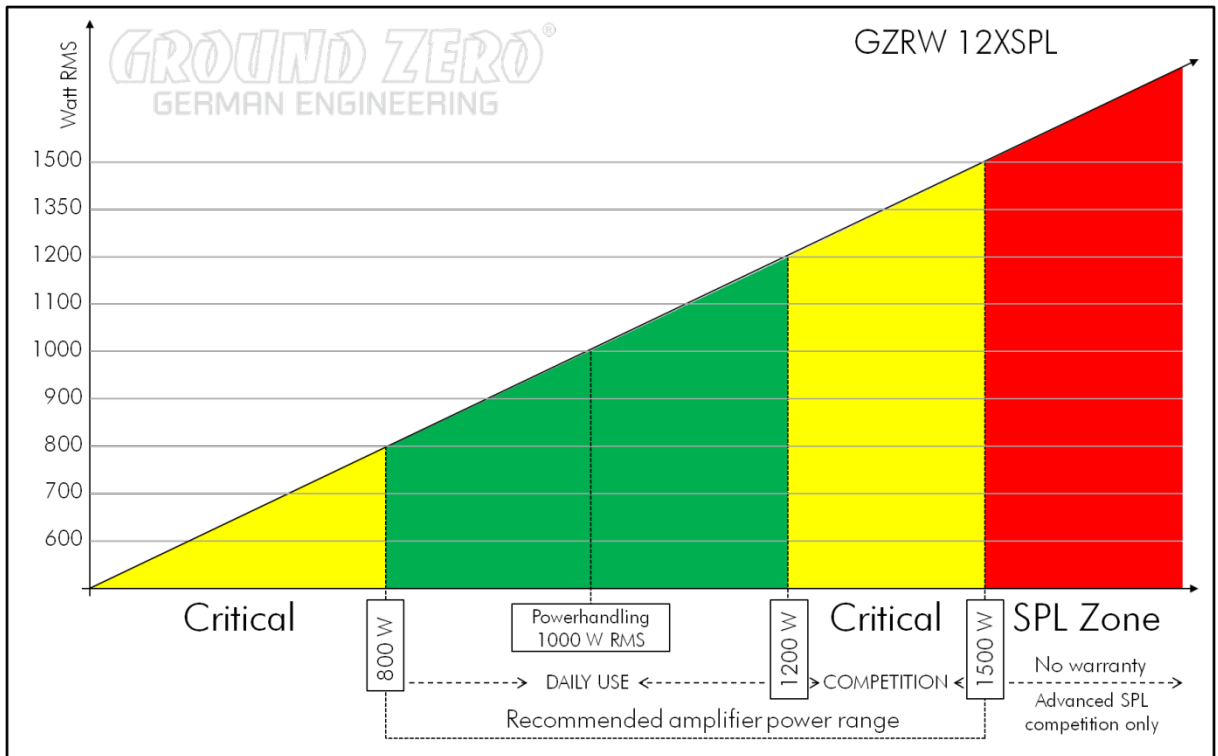
* max. power handling is only for recommended enclosure applicable



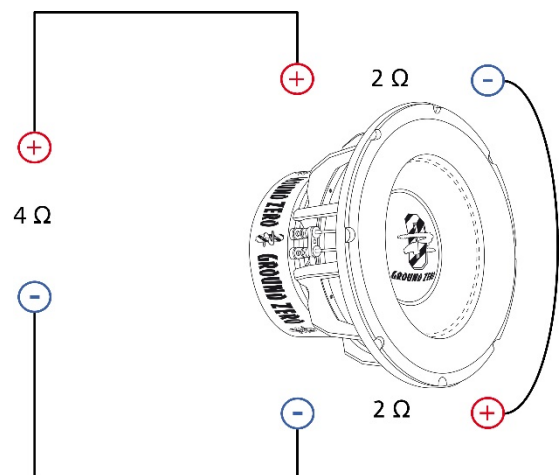
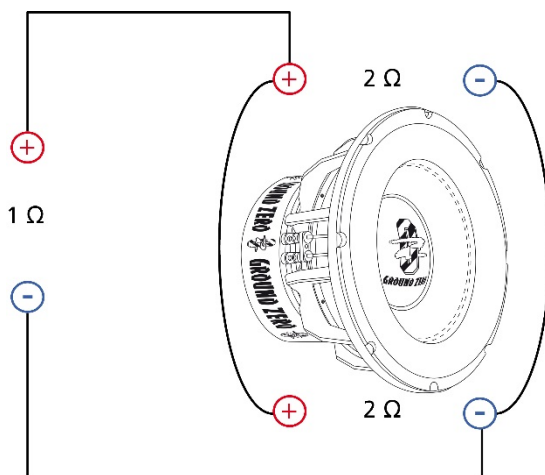
A	311 mm / 12.24"
B	288 mm / 11.34"
C	166 mm / 6.54"
D	190 mm / 7.48"
E	6 mm / 0.24"



POWER RECOMMENDATION



WIRING OPTIONS



ENCLOSURE RECOMMENDATION

Bassreflex / vented (Grün / green)	70 Liter netto / 2.47 cu.ft. net <i>Recommended enclosure !</i>
Port (dimensions)	100 mm / 4"
Portlänge / port length	160 mm / 6.3"
F ₃ (-3 dB)	28 Hz

Bassreflex / vented (Orange / orange)	50 Liter netto / 1.77 cu.ft. net <i>Minimum volume</i>
Port (dimensions)	100 mm / 4"
Portlänge / port length	220 mm / 8.66"
F ₃ (-3 dB)	30 Hz

Bandpass 4th order (Blau / blue)	16 Liter netto geschlossen / 0.56 cu.ft. net sealed 40 Liter netto ventiliert / 1.41 cu.ft. net vented <i>limited frequency range</i>
Port (diameter)	100 mm / 4"
Portlänge / port length	290 mm / 11.42"
F _b (tuning frequency)	55 Hz
Bandbreite / bandwidth (-3dB)	31 – 92 Hz

Geschlossen / sealed (rot / red)	40 Liter netto / 1.41 cu.ft. net <i>Recommended enclosure volume</i>
Q _{tc} / F ₃ (-3 dB)	0.89 / 34 Hz

Geschlossen / sealed (violett / violet)	30 Liter netto / 1.06 cu.ft. net <i>Minimum enclosure volume</i>
Q _{tc} / F ₃ (-3 dB)	0.94 / 36 Hz

