

Excerpt from comparison test of four 8" and 10" subwoofer boxes

Ground Zero GZRB 20SPL



BEST IN TEST
Upper Class 125 - 250 €
CAR & HiFi 5/2020

The brand new GZRB 20SPL comes with a newly developed 20 chassis, whose "SPL" abbreviation already hints at where this journey is going. At Ground Zero they know how to make small woofers loud, we remember quite well the GZHW-20 with an aluminium cone, which has set standards at that time. Our GZRB belongs to a cheaper line and is equipped with a steel basket. But the paper cone is very stiff and the motor is more than adequate with its powerful pole plates, double ferrite and 50-millimeter double voice coil. Mechanically there are 30 millimeters stroke in it, also more than 10 are electric, which is very remarkable for a small woofer. The housing is made of 16 mm MDF and breathes through a large reflex tube with trumpet openings on both sides. The woofer is mounted on the baffle with a decorative ring made of plastic and is effectively protected by three wire brackets.

Sound

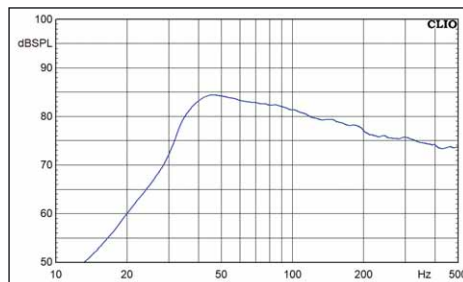
When the GZRB 20SPL is playing, the listener is immediately rewarded with a great satisfaction. The woofer offers everything you want from a good subwoofer. It plays harmoniously and well balanced across all bass frequencies, but can also show some teeth. When playing techno or fast bass lines in the higher frequencies, the Ground Zero plays highly agile and clean. It is not overloaded

with long deep bass and remains good in control. The best part is, however, the amount of power that comes out of the small 8". The GZRB 20SPL delivers some levels that you can hardly imagine when you see this small box.

Elmar Michels



The GZRB 20SPL scores the most points with its extremely powerful motor with 2-inch long stroke coil and solid pole plates



The Ground Zero performs down to deepest frequencies, on the other hand it delivers only 83 dB with 1 W

Ground Zero GZRB 20SPL

Distributor	Ground Zero, Egmatung	
Hotline	08095 873830	
Internet	ground-zero-audio.com	

Sound	50 %	1,0	■■■■■
Low frequency extension	12,5 %	1,0	■■■■■
Sound pressure	12,5 %	1,0	■■■■■
Sound purity	12,5 %	1,0	■■■■■
Dynamics	12,5 %	1,0	■■■■■

Lab	30 %	1,7	■■■■■
Frequency response	10 %	1,0	■■■■■
Efficiency	10 %	3,0	■■■■■
Max. SPL	10 %	1,0	■■■■■

Build quality	20 %	1,0	■■■■■
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Specifications

Basket diameter	21,2 cm
Mounting diameter	18,2 cm
Mounting depth	13,3 cm
Magnet diameter	10,3 cm
Box width	44,5 cm
Box height	24,5 cm
Box depth	28,5 cm
Weight	11,5 kg

Nominal impedance	2 x 2 Ohm
DC resistance Rdc	3,82 Ohm
Coil inductivity Le	2,49 mH
Coil diameter	50 mm
Membrane surface	196 cm ²
Resonance frequency fs	41 Hz
Mechanical Q-Factor Qms	4,65
Electrical Q-factor Qes	0,38
Overall Q-factor Qts	0,35
Equivalent volume Vas	7,5 l
Moved mass Mms	107 g
Rms	5,93 kg/s
Cms	0,14 mm/N
B x l	16,68 Tm
SPL 1 W, 1 m	83 dB
Recommended power	250 – 600 W
Test cabinet	BR 22,5 l
Reflex tunnel (d x l)	7 x 20 cm

Rating

Price			230 Euro
Sound	50 %	1,0	■■■■■
Lab	30 %	1,7	■■■■■
Build quality	20 %	1,0	■■■■■

Ground Zero GZRB 20SPL

Absolute Top Class
Top Class
Upper Class

1,2

Price-Performance:
very good

CAR & HiFi

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"Great sound from a tiny box."