GAMMA GS 12 SLIM

300 mm SHALLOW SUBWOOFER



The **GS 12 SLIM** is the 300 mm shallow subwoofer of the GAMMA series. With a mounting depth of 100 mm it fits under seats, in side panels and in slim enclosures where a conventional 12-inch driver has no room. Two 2 Ω voice coils allow a 4 Ω or 1 Ω connection. Rated at 500 W RMS, mounting ring with grille included.

MEASURED DATA AND SPECIFICATIONS

Electrical

Nominal impedance	Z_N	2 × 2	Ω
DC resistance (series)	R_e	3.39	Ω
Resonance frequency	f_s	22.4	Hz
Inductance 10 kHz	L_e	1.47	mH

Q factors

Mechanical Q factor	Q_{ms}	4.16
Electrical Q factor	Q_{es}	0.39
Total Q factor	Q_{ts}	0.35

Mechanical

Moving mass	M_{ms}	216.7	g
Effective piston area	S_d	556	cm²
Mechanical resistance	R_{ms}	7.35	kg/s
Compliance	C_{ms}	0.232	mm/N
Force factor	Bl	16.35	Tm
Equivalent air volume	V_{as}	100.7	l

Sensitivity

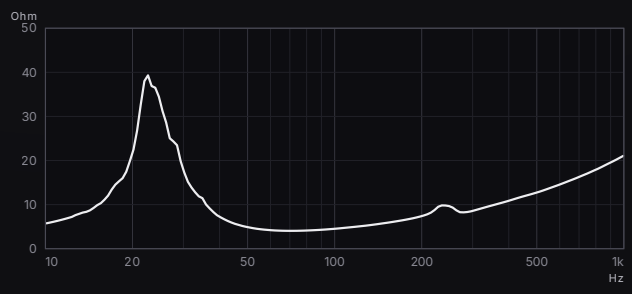
Sensitivity 1 W / 1 m	SPL	86.6	dB
Sensitivity 2.83 V / 1 m	SPL	90.3	dB

Installation and construction

Power handling RMS	500	W
Power handling max.	650	W
Outer diameter	314	mm
Cut-out diameter	285	mm
Bolt circle, 8 holes	299	mm
Mounting depth	100	mm
Magnet diameter	155	mm
Voice coil	64 mm (2.5″), dual	
Mounting ring with grille	included	
Net weight	5.7	kg

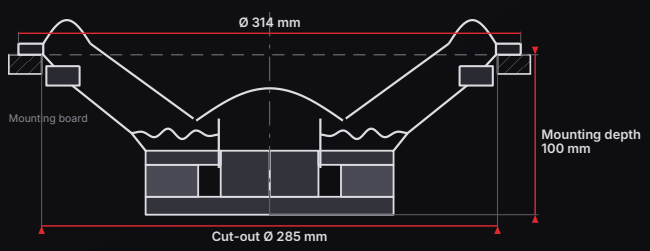
IMPEDANCE

free air, coils in series



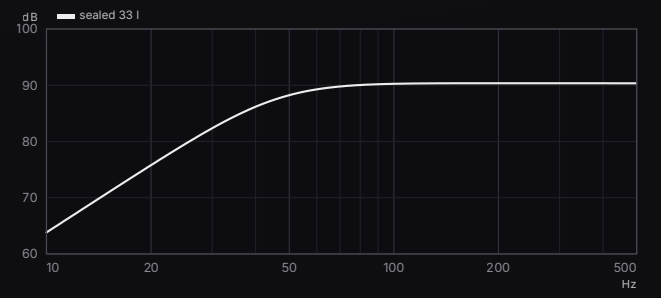
DIMENSIONS

dimensions in mm



RECOMMENDED ENCLOSURES

calculated · 2.83 V / 1 m



ENCLOSURE DATA

	sealed only
Volume incl. driver and port	33 l
Cut-off −3 dB	45 Hz
Subsonic 24 dB/oct.	20 Hz

Response calculated in half space, without vehicle. In the vehicle the cabin adds further low bass.

- Thiele-Small parameters with both voice coils in series (4 Ω connection).
- Two voice coils of 2 Ω each: 4 Ω in series, 1 Ω in parallel.