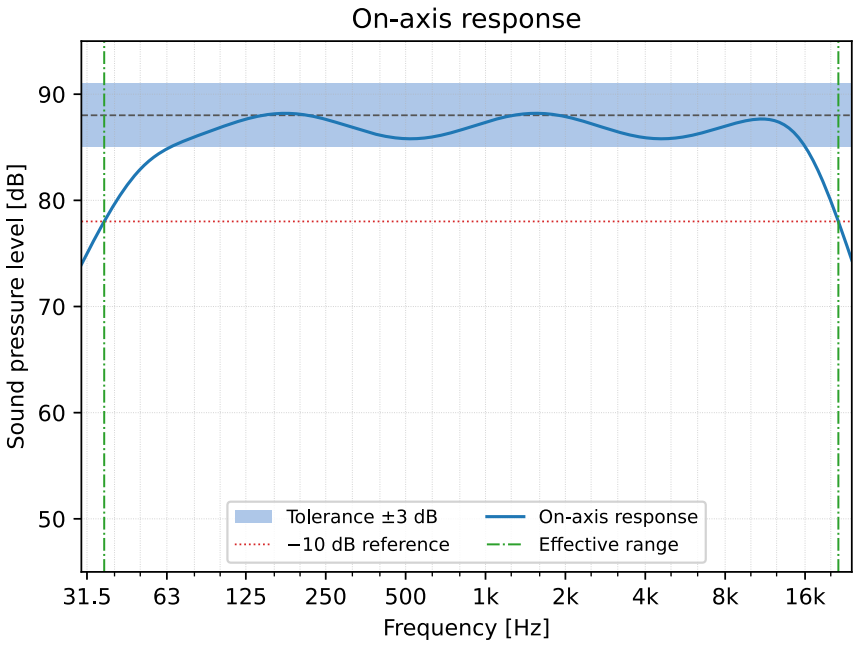
Loudspeaker characteristics

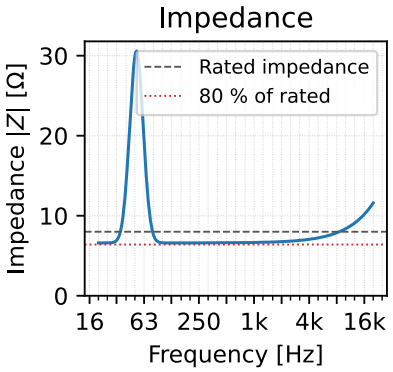
IEC 60268-5 measurement of loudspeaker rated characteristics per IEC 60268-5:2003+A1:2007; frequency and polar graphs to IEC 60263:1982.

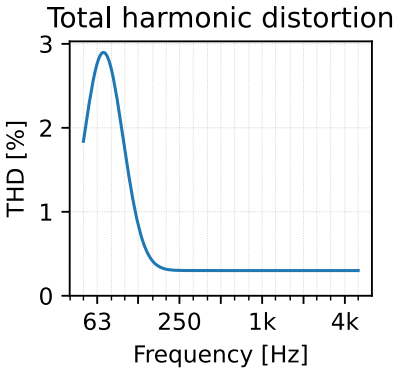
Client:	Example client	Manufacturer:	Example audio
Description:	Two-way bookshelf loudspeaker, 165 mm woofer	Test room:	Anechoic chamber (example)
Mounting:	Free field, on the tweeter axis at 1 m	Date of test:	2026-07-20
Temperature [°C]:	21	Relative humidity [%]:	45
Ambient pressure [kPa]:	101.3		

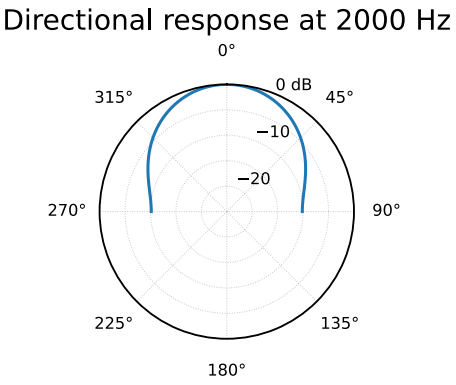
Rated characteristics

Rated impedance	8 Ω
Characteristic sensitivity	87.1 dB
Effective frequency range	37–21361 Hz
Rated frequency range	45–22000 Hz
Resonance frequency	52 Hz
Rated noise power	80 W
Rated sinusoidal power	120 W
Minimum impedance	6.6 Ω
Directivity index at 2000 Hz	8.3 dB









Characteristic sensitivity 87.1 dB (1 W / 1 m); effective frequency range 37–21361 Hz

Result vs requirement: Characteristic sensitivity 87.1 dB, required ≥ 84 dB → **PASS**

Laboratory: Phonometry reference example
Report no.: EXAMPLE-60268-5
Date: 2026-07-20
Operator: phonometry Signature: _____

■ The results relate only to the tested specimen.

Generated by phonometry.