CENA8

SpringFit™ 8" ceiling speaker

Highlights:

- Eye catching complete family
- Fastest possible installation time with unique Springfit™ innovation
- High intelligibility and sound accuracy
- SnapConnect™ enabling a fast and reliable connection

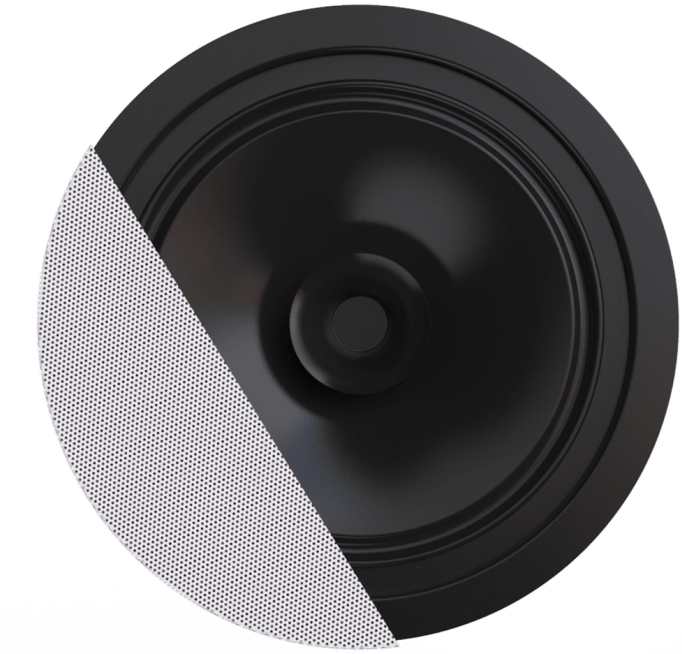
Product information:

The unbeatable one. The CENA series are full-range ceiling speakers, designed to offer an unmatched solution for large scale public address projects. The SpringFit™ fixation offers the fastest possible installation time of any speaker available on the market, while the borderless grill design is absolutely unseen for any ceiling speaker in this segment. With the selection of high-quality cone materials, exceptional intelligibility and background music performance are guaranteed. The CENA Series are equipped with SnapConnect™, a faster, more reliable and safer choice for fixed installations, accepting solid and stranded wires with sections up to 4.0 mm².

The CENA812 features a 8” broadband driver with a continuous power handling of 20 Watt (RMS) and maximum power handling of 40 Watt. It is fitted with a multi-tapping 100V line transformer with tappings for 12W and 6W.

Applications:

- Corporate
- Retail
- Bars & Restaurants



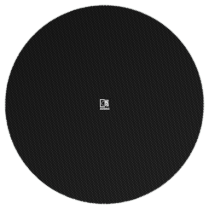


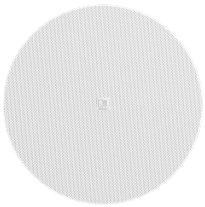












Impedance:

Ω 8 Ohm Ω 16 Ohm

We reserve the right to change specifications without notice, this is part of our policy to continually improve our products.

Voltage:

100 Volt

System specifications:

Peak power handling		80 W
Program power handling		40 W
Continuous power (AES)		20 W
Sensitivity (1W/1m)		99 dB
Speaker type		Broadband
Impedance		8 Ω (CENA812)
		16 Ω (CENA820D)
Connection		Screw terminal
		SnapConnect™
Drivers		Dual cone
		8”
Sound Pressure (Max. W/1m)	@ 100 V	112 dB
Frequency	Response (± 3 dB)	100 Hz - 15 kHz
	Range (-10 dB)	60 Hz - 18 kHz
Line Transformer Tappings	1	12 W / 833 Ω
	2	6 W / 1667 Ω
Dispersion	Conical	130°

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Product Features:

Cut-out measurement	207 mm (Ø)
Dimensions	232 x 81 mm (Ø x D)
Construction	ABS
Front finish	borderless finely perforated steel grill
Built-in depth	77 mm
Mounting	SpringFit™ mounting system
Colours	White (RAL9003) (CENA812/W)
	Black (RAL9005) (CENA812/B)
Operating temperature	-15 °C ~ 55 °C
Weight	1.06 kg

Variants:

- CENA820DI/W - White version - 16Ω (RAL9016)
- CENA812I/W - White version - 100V (RAL9016)
- CENA812/B - Black version - 100V
- CENA820D/W - White version - 16Ω

Shipping & Ordering:

Packaging	Cardboard box

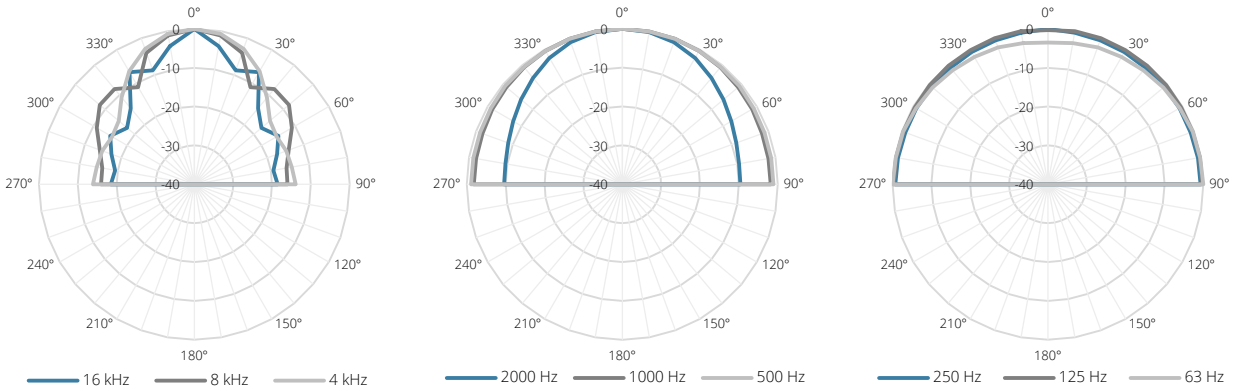
Architects' and Engineers' Specifications:

The ceiling mount loudspeaker shall be a full-range type equipped with an 8" broadband driver and fitted with a line transformer allowing it to be used on 100 Volt distributed line systems. It shall have an RMS power handling of 20 Watt with a maximum power handling of 40 Watt and the frequency response (±3 dB) shall range from 100 Hz to 15 kHz. The sensitivity shall be 99 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 112 dB. The loudspeaker shall be fitted with a multitapping line transformer with tappings for 12 Watt and 6 Watt. Fast and safe connection of the system shall be possible usingSnapConnect™. The speakers frame shall be constructed in high quality ABS material and the front shall be finished through a borderless and finely perforated steel grill. It shall come available in both white (RAL9003) and black (RAL9005) colours and custom painting shall make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a SpringFit™ installation system. The speaker shall have a diameter of 232 mm, a depth of 81 mm and the weight shall not exceed 1.06 kg. The speaker shall fit in a mounting hole with a cutout diameter of 207 mm and a build-in depth of 78 mm.

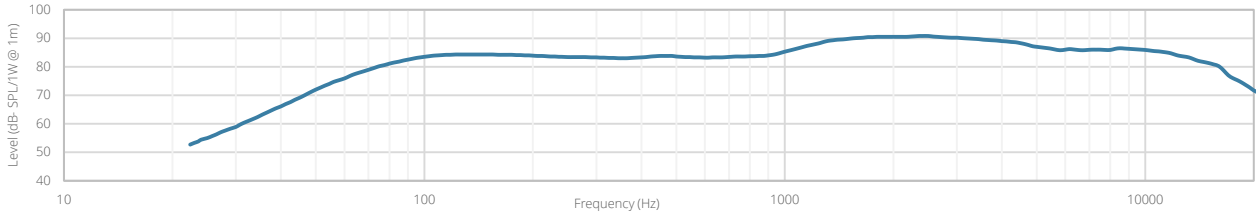
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Acoustical data graphs:

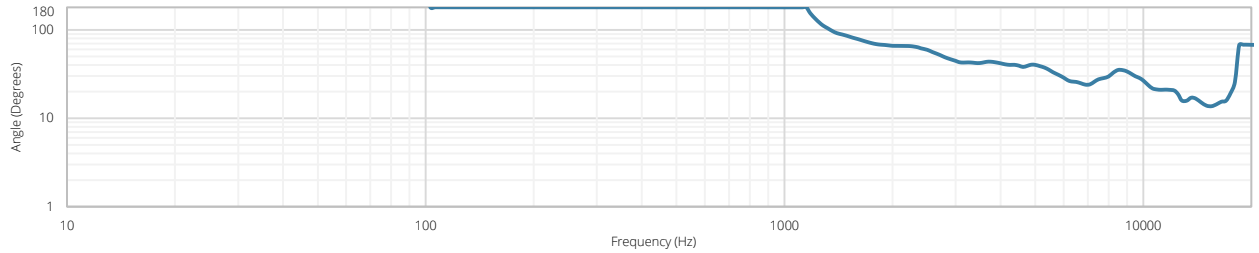
Polars:



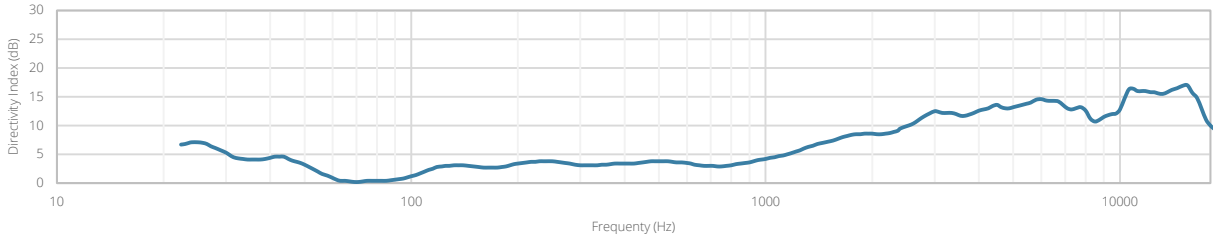
Sensitivity:



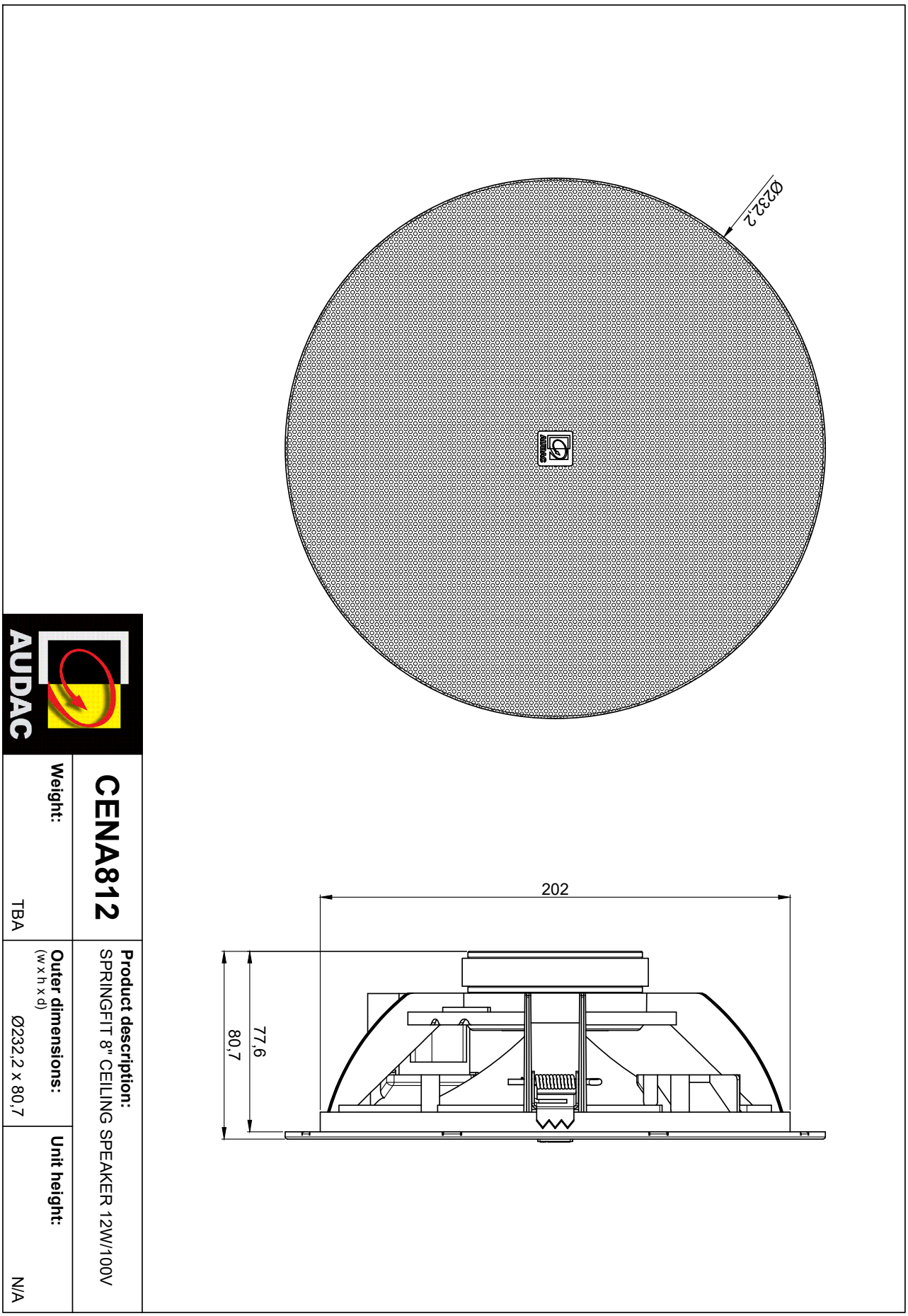
Beamwidth (-3dB):



Directivity index:



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