CENA5

SpringFit™ 5" ceiling speaker

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 CENA506 features a 5" broadband driver with a continuous power handling of 10 Watt (RMS) and maximum power handling of 20 Watt. They are fitted by multi-tapping 100V line transformers with tappings for 6W and 3W.

Impedance:

Ω 8 Ohm

Ω 16 Ohm

Voltage:

100 V

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

System specifications:

Max. Power		20 W
RMS Power		10 W
Sound Pressure (Max. W/1m)	@ 100 V	103 dB
Sensitivity (1W/1m)		93 dB
Speaker type		Broadband
Impedance		8 Ω (CENA506)
		16 Ω (CENA510D)
Frequency	Response (± 3 dB)	100 Hz - 15 kHz
	Range (-10 dB)	80 Hz - 18 kHz
Line Transformer Tappings	1	6 W / 1667 Ω
	2	3 W / 3333 Ω
Dispersion	Conical	155°
Connection		Screw terminal
Drivers		5″ Full Range

Product Features:

Cut-out measurement	150 mm (Ø)
Dimensions	180 x 57 mm (Ø x D)
Construction	ABS
Front finish	Borderless finely perforated steel grill
Built-in depth	57 mm
Mounting	SpringFit™ mounting system
Colours	White (RAL9003) (CENA506/W)
	Black (RAL9005) (CENA506/B)
Operating temperature	-15 °C ~ 55 °C

Variants:

- CENA506/W - White version - 8Ω and 100V
- CENA506/B - Black version - 8Ω and 100V
- CENA510D/W - White version - 16Ω

Shipping & Ordering:

Packaging	Cardboard box

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Architects' and Engineers' Specifications:

The ceiling mount loudspeaker shall be a full-range type equipped with a 5" 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 10 Watt with a maximum power handling of 20 Watt and the frequency response (±3 dB) shall range from 100 Hz to 15 kHz. The sensitivity shall be 93 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 103 dB. The nominal dispersion shall be a 155° conical coverage pattern at -6dB (average 100 Hz - 10 kHz). The loudspeaker shall fitted with a multi-tapping line transformer with tappings for 6 Watt and 3 Watt. Fast and safe connection of the system shall be possible using SnapConnect™. 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 180 mm, a depth of 60 mm and the weight shall not exceed 0.66 kg. The speaker shall fit in a mounting hole with a cutout diameter of 150 mm and a build-in depth of 57 mm.

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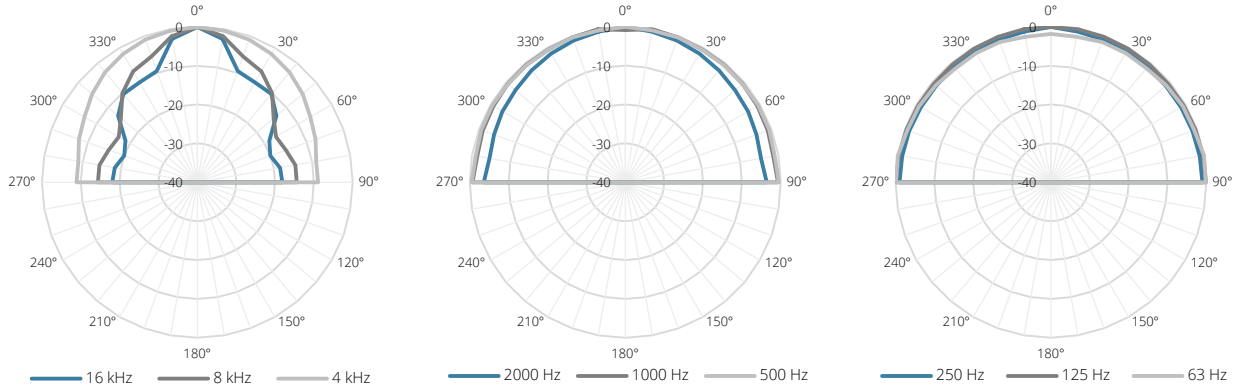
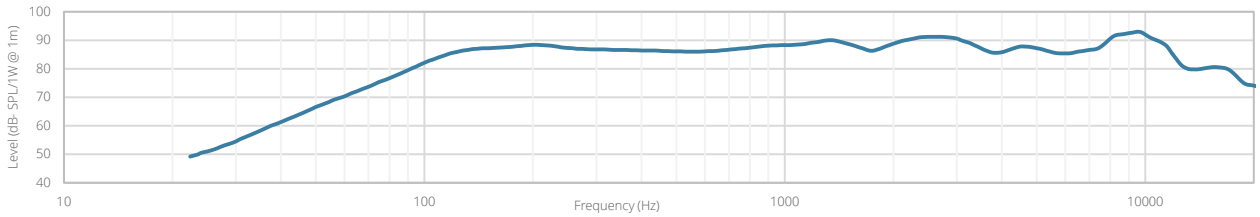
Acoustical data graphs:

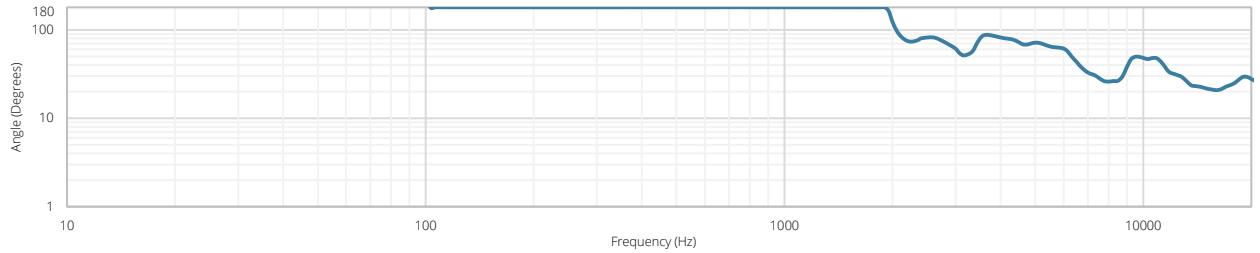
Polars:



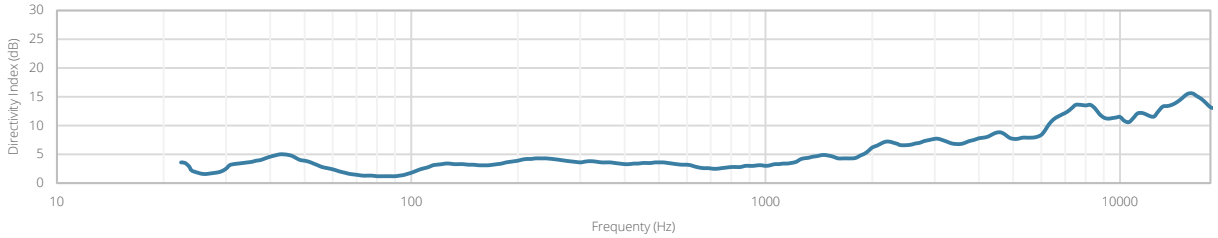
Sensitivity:



Beamwidth (-3dB):



Directivity index:



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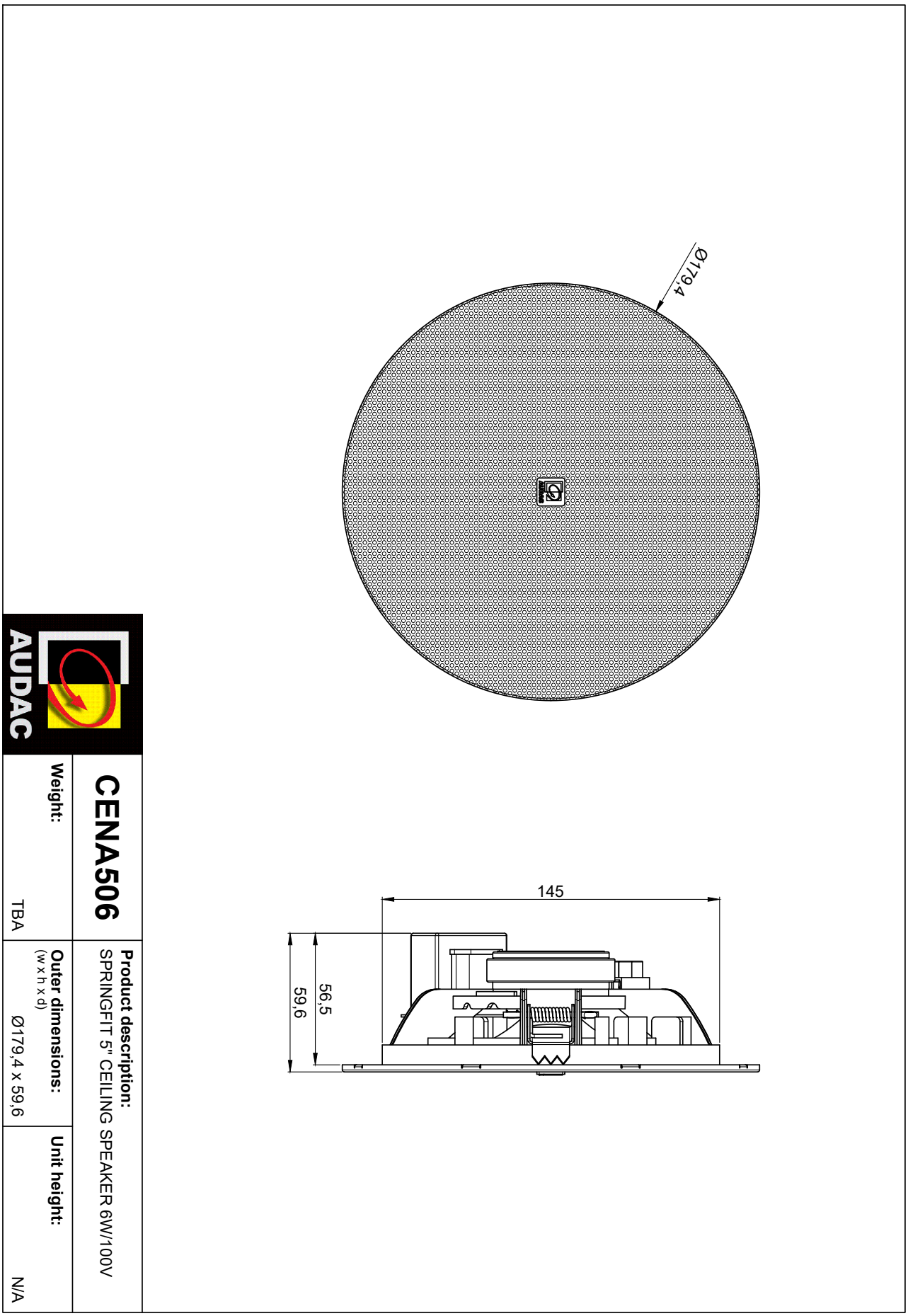

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