



# CS55

Dual cone 5 ¼" in-ceiling speaker

## ► Features

- High-quality ceiling loudspeaker
- 5 ¼" dual cone driver
- Fast-con™ connections
- 100V multitap transformer & 8 Ohm bypass
- Wide 140° conical coverage
- Quick-fit installation system
- Paintable to blend in

## ► Applications

- Hotels
- Restaurants & pubs
- Corporate offices
- Retail stores & warehouses
- Public buildings
- Airports & train stations
- ...



The CS series loudspeakers are high-quality in-ceiling loudspeakers, delivering exceptional sound quality and value for a wide variation of applications, ranging from paging and announcements to background music systems in a wide range of business applications, including hotels, restaurants and pubs, corporate offices, retail stores, etc.

The CS55 in-ceiling loudspeaker features a 5 ¼" dual cone driver with a continuous power handling of 10 Watt and a maximum power handling of 20 Watt. The dual cone construction makes the CS55 the perfect match for a wide variation of general purpose indoor applications, ranging from paging and announcement systems to background music systems.

A multi-tapping line transformer fitted with Fast-con™ allows fast and smooth connections to 100 Volt public address or low impedance systems. The mounting of the loudspeaker into the ceiling is achieved with a Quickfix mechanism, offering a great installers convenience and lifetime stability.

The construction of the speaker's housing is made from high-quality ABS, while the front is covered by a solid powder-coated steel grill. It comes available in different colours, while custom painting is possible so it completely blends into any environment.

## ► Specifications

SYSTEM SPECIFICATIONS		
Speaker type	Dual cone	
Max. power	20 W	
RMS power	10 W	
Impedance	8 Ohm <i>16 Ohm version also available (CS55D)</i>	
Line transformer power taps	6 Watt / 1667 Ohm	
	3 Watt / 3333 Ohm	
	1.5 Watt / 6667 Ohm	
Sensitivity (1W/1m)	93 dB	
Sound pressure (Max W/1m)	109 dB	
Frequency response (± 3 dB)	70 Hz - 14 kHz	
Frequency range (-10 dB)	55 Hz - 16 kHz	
Conical dispersion (1)	140°	
PRODUCT FEATURES		
Dimensions (Diameter x Depth)	Ø 202.5 x 67 mm	
Weight net	0.75 Kg	
Connection	Multi-tap Fast-con™ connections	
Drivers	Dual cone 5 ¼"	
Construction	High quality ABS housing	
Grill type	Finely perforated steel grill	
Cut-out measurement	Ø 165 mm	
Built-in Depth	62 mm	
Mounting & handling	Quick-fit installation system (4-screw)	
Available colours	CS55	White (NCS S1000-N)
	CS55/W	White (RAL9010)
	CS55/B	Black (RAL9005)
SHIPPING & ORDERING		
Packaging	Cardboard box	
Shipping weight & volume	0.82 Kg - 0.0040 Cbm	
(1) Half space (flush mounted in ceiling), average 100 Hz to 10 kHz at -6 dB		
*AUDAC reserves the right to change specifications without notice: this is part of our policy to continuously improve our products.		

## ► Architects' and Engineers' Specifications

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The ceiling mount loudspeaker shall be a dual-cone type equipped with a 5 ¼" low frequency driver and fitted with a line transformer allowing it to be used on both low impedance (8 Ohm) and 100 Volt distributed lines.

It shall have an RMS power handling of 10 Watt with a maximum power handling of 20 Watt and the frequency response ( $\pm 3$  dB) shall range from 70 Hz to 14 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 109 dB. The nominal dispersion shall be a 140° conical coverage pattern at -6dB (average 100 Hz - 10 kHz).

The loudspeaker shall be switchable between 8 Ohm and constant voltage operation, and shall be fitted with a multi-tapping line transformer with tapings for 6 Watt, 3 Watt and 1.5 Watt including an 8 Ohm bypass. Fast and smooth connection of the system shall be possible using a Fast-con™ multi-tapping connector.

The speakers frame shall be constructed in high quality ABS material which comes available in both white (RAL9010) and black (RAL9005) colours and is fitted with a removable steel grill allowing custom painting to make it blend-in with any environment. Mounting of the speaker into the ceiling shall be possible using a 4-screw Quick-fix installation system.

The speaker shall have a diameter of 202.5 mm, a depth of 67 mm and the weight shall not exceed 0.75 kg. The speaker shall fit in a mounting hole with a cutout diameter of 165 mm and a build-in depth of 62 mm.

## ► Technical drawing

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