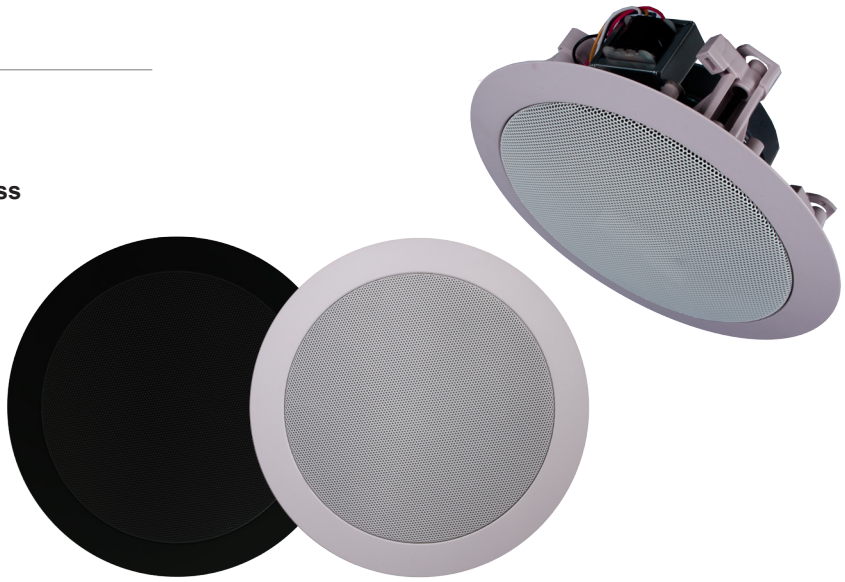
CS55

Dual cone 5¼" 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 ***16 Ohm version also available (CS55D)***	
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

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 (±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 tappings 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