Ceiling Speakers

Model List

- HC 631 | High Quality Coaxial Ceiling Speaker
- HC 631E | High Quality Coaxial Ceiling Speaker
- HC 831 | High Quality Coaxial Ceiling Speaker
- HC 831E | 8" Ceiling Sub-woofer
- HC 851 | High Quality Coaxial Ceiling Speaker
- HC 851E | High Quality Coaxial Ceiling Speaker

Product Introduction

Introducing the H-Series Music Ceiling Speakers, a versatile and scalable family of high-fidelity loudspeakers engineered to meet the dynamic demands of the modern AV and background music (BGM) industry. This comprehensive series includes the 6-inch HC 631, the 8-inch HC 831, and the high-power 8-inch HC 851, providing a complete toolkit for system designers. Each model is available in two formats: a standard open-back version for easy, cost-effective installation, and an 'E' version featuring an integrated enclosure for superior acoustic control and predictable performance. With options for both high-impedance (70V/100V) and low-impedance (8Ω) operation, the H-Series delivers exceptional audio quality and installation flexibility, making it the ideal choice for a wide array of environments, from hotels and restaurants to conference rooms and auditoriums.

Key Features

- Professional 8-inch ceiling subwoofer designed for distributed audio systems.
- Adds foundational depth and richness to commercial audio installations.
- Features a contemporary rimless grille for seamless architectural integration.
- Delivers impactful low-frequency performance while remaining visually discreet.
- Perfect complement to smaller satellite ceiling speakers for enhanced bass.
- Rated input of 50W RMS and peak power handling of 100W.
- Offers a frequency response of 80Hz - 6kHz for deep bass reproduction.
- Achieves a sensitivity of 88dB (1W/1m) and 100dB maximum peak SPL.
- Constructed from durable ABS material with spring clip terminals for connection.
- Complies with the EN IEC 62368-1 safety standard for reliable operation.

HC 631

HC 631E

HC 831

HC 831E

HC 851

HC 851E

For further specifications or application details, please contact us. Specifications may change without prior notice. Technical modifications reserved.

Ceiling Speakers

Technical Specification

	HC 631	HC 631E	HC 831	HC 831E
Power Handling (RMS)	45W	45W	40W	40W
Peak Power Handling	90W (Calculated)	90W (Calculated)	80W (Calculated)	80W (Calculated)
Power Taps (100V)	30W, 15W, 7.5W	30W, 15W, 7.5W	30W, 15W, 7.5W	30W, 15W, 7.5W
Power Taps (70V)	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W	15W, 7.5W, 3.8W
Impedance	8Ω	8Ω	8Ω	8Ω
Frequency Response	60Hz - 18kHz	60Hz - 18kHz	70Hz - 19kHz	70Hz - 19kHz
Frequency Range (-10 dB)	35Hz - 20kHz	35Hz - 20kHz	55Hz - 20kHz	55Hz - 20kHz
Sensitivity (1W/1m)	92dB	92dB	96dB	96dB
Maximum Peak SPL	107dB	107dB	108dB	108dB
Coverage Angle	130°	130°	120°	120°
Speaker Component	160 mm (6.3”) 2-Way Coaxial	160 mm (6.3”) 2-Way Coaxial	200 mm (8”) 2-Way Coaxial	200 mm (8”) 2-Way Coaxial
Safety	EN 62368-1	EN 62368-1	EN 62368-1	EN 62368-1
Dust & Water Protection	NA	NA	NA	NA
Material & Finish	Frame: ABS, Grille: Steel Mesh	Enclosure: ABS, Frame: ABS, Grille: Steel Mesh	Frame: ABS, Grille: Steel Mesh	Enclosure: Steel, Frame: ABS, Grille: Steel Mesh
Connectors	Flying Lead	Spring Clip Terminals	Flying Lead	Spring Clip Terminals
Cutout Dimension (Ø)	205 mm	232 mm	255 mm	255 mm
Dimensions (Ø x D)	230 x 75 mm	260 x 178 mm	275 x 95 mm	275 x 180 mm
Weight	1 kg	2 kg	2.3 kg	3.3 kg

	HC 851	HC 851E
Power Handling (RMS)	50W	50W
Peak Power Handling	100W (Calculated)	100W (Calculated)
Power Taps (100V)	50W, 25W, 12.5W	50W, 25W, 12.5W
Power Taps (70V)	25W, 12.5W, 6.25W	25W, 12.5W, 6.25W
Impedance	8Ω	8Ω
Frequency Response	70Hz - 19kHz	65Hz - 19kHz
Frequency Range (-10 dB)	55Hz - 20kHz	55Hz - 20kHz
Sensitivity (1W/1m)	94dB	94dB
Maximum Peak SPL	106dB	106dB
Coverage Angle	120°	120°
Speaker Component	275 mm (10.8”) 2-Way Coaxial	275 mm (10.8”) 2-Way Coaxial
Safety	EN 62368-1	EN 62368-1
Dust & Water Protection	NA	NA
Material & Finish	Frame: ABS, Grille: Steel Mesh	Enclosure: Steel, Frame: ABS, Grille: Steel Mesh
Connectors	Flying Lead	Spring Clip Terminals
Cutout Dimension (Ø)	245 mm	245 mm
Dimensions (Ø x D)	275 x 105 mm	275 x 175 mm
Weight	2.5 kg	3.2 kg

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