

C-640

6.5" Coaxial Ceiling Speaker

60 W • 8 Ω / 100 V / 70 V • 90 dB • 85 Hz – 20 kHz

Ø 275

mm cut-out (270–280)

110

dB SPL

176

mm embedded depth



6.5" Coaxial
+ 1" Dome



60 W
240 W Peak



8 Ω / 100 V / 70 V
Power Tapping



8 × N42
Magnetic Grille



Front
Wiring



Flush Mount
176 mm Depth

Key Features

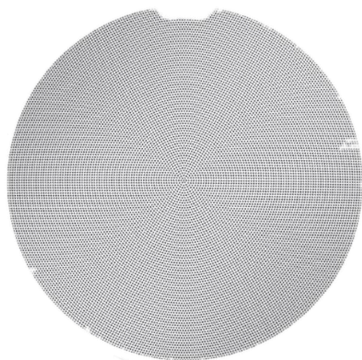
- ✓ 6.5" coaxial driver with 1" dome tweeter for wide, even coverage.
- ✓ High sound pressure level output and large dynamic range.
- ✓ Selectable input: 8 Ω low impedance or 100 V / 70 V line.
- ✓ 100 V taps: 40 / 20 / 10 / 5 W • 70 V taps: 20 / 10 / 5 / 2.5 W.
- ✓ Front wiring design for convenient system installation.
- ✓ Grille held by 8 high-strength N42 magnets.
- ✓ Compact embedded depth of 176 mm, suitable for narrow ceiling voids.
- ✓ Metal mesh grille and iron back can for a durable build.

Specifications

Model	C-640
Description	6.5" Coaxial Ceiling Speaker
Speaker Unit	1 × 6.5" + 1 × 1" dome, coaxial design
Input Mode	8 Ω / 100 V / 70 V
Rated Power (8 Ω)	60 W (240 W peak)
Power Taps (100 V)	40 / 20 / 10 / 5 W
Power Taps (70 V)	20 / 10 / 5 / 2.5 W
Frequency Response	85 Hz – 20 kHz
Sensitivity (1 W / 1 m)	90 dB
Max. SPL (rated band)	110 dB
Grille Material	Metal mesh, magnetic (8 × N42)
Back Can Material	Iron
Dimensions (Ø × H)	Ø 316 × 197 mm
Cut-out Diameter	Ø 270 – 280 mm



Front View



With magnetic grille



Grille removed

Installation Dimensions

Ø 316 mm

Outer Diameter

Ø 270 – 280 mm

Cut-out Diameter

197 mm

Total Height

176 mm

Embedded Depth

10 – 50 mm

Ceiling Thickness

Tender Specification

The ceiling loudspeaker shall use a 6.5" coaxial driver with a 1" dome tweeter. It shall accept 8 Ω low-impedance or 100 V / 70 V line input, rated at 60 W (240 W peak) at 8 Ω , with 100 V taps of 40 / 20 / 10 / 5 W and 70 V taps of 20 / 10 / 5 / 2.5 W. Frequency response shall be 85 Hz – 20 kHz, with a sensitivity of 90 dB (1 W / 1 m) and an SPL of 110 dB. It shall have front wiring, a metal mesh grille retained by 8 N42 magnets, and an iron back can. Outer diameter shall be Ø 316 mm, cut-out Ø 270 – 280 mm, total height 197 mm and embedded depth 176 mm, for ceiling thickness of 10 – 50 mm.