



CL-6P

6.5", In-ceiling two-way closed back co-axial passive speaker

| Speakers



The CL-6P – premium sound high performance, 2-way passive closed back ceiling speaker.

The CL-6P is a plenum rated high-performance ceiling speaker that provides exceptional sound with high SPL. The speaker was designed with present mid-range optimized for speech clarity and background music. The speaker supports both 8Ω low impedance as well as several 70V/100V high impedance modes. The high performance makes it ideal for high-end conferencing spaces and where premium sound quality is essential. Features front-access wiring for easy installation and troubleshooting. Both black & white magnetic grills are included in the box

FEATURES

Premium sound with high SPL

Plenum rated UL2043 & UL1480A

Low-impedance (8Ω) / high-impedance (70V/100V)

Power ratings: 30 W continuous pink noise / 45 W continuous program

Sensitivity (1W@1m, free field): 88dB SPL

Maximum SPL (@1m): Continuous: 103dB SPL / Peak: 105dB SPL

TAA compliant option

Industrial design: black & white bezel-less magnetic grills included in the box, Low profile - light weight, front-access wiring

Eco-friendly mono-material packaging

Included in the Box - 1 speaker (single unit), 2 speakers are packed in a single master box

Installation kit including C-ring and bolts (mounting rails are not included and should be purchased separately)

2 magnetic grills (1 white and 1 black per speaker)

4-pin pluggable Euroblock connector, 28-12AWG

Cutout template

Accessories (bracket bolts, UL cable passthrough, Silicon cable passthrough, zip tie for securing the speaker cable)

Quick Start Guide



TECHNICAL SPECIFICATIONS

DESCRIPTION: 6.5", 2-way coaxial passive speaker with Transformer tap for both low-impedance (8 Ω) and high-impedance (70V/100V) modes. White & Black magnetic grills included in the box

Audio

Driver:

LF Driver: 165 mm (6.5 in) high output driver with polypropylene cone and rubber surround

HF Driver: 19 mm (0.75 in) liquid cooled soft-dome tweeter

Frequency characteristics

Frequency Range (-10dB): 70Hz–20kHz

Frequency Response (± 3 dB) 80Hz–18kHz

Dispersion angle: 106 deg. conical dispersion (1 kHz to 4 kHz)

Power ratings

@ 8 Ω Low impedance: 30W continuous pink noise / 45W continuous program

@ 100 V High impedance: 30W/15W/7.5W

@ 70 V High impedance: 30W/15W/7.5W/3.8W

Sound Pressure Level (SPL)

Sensitivity (1W@1m, free field) 88dB SPL

Maximum SPL: Continuous: 103dB SPL / Peak: 105dB SPL

MECHANICAL

Installation

Type: In-ceiling speaker installation with brackets and C-ring

Mounting: 4-point screw down Dog-Ear clamp, up to 60mm / 2.36" ceiling thickness

Connectors: 4-pin pluggable Euroblock connector, 28–12AWG

Cutout: Cutout template included in the box

Weight per single speaker: 3.75kg (8.3lbs)

Dimensions

Depth (ceiling clearance): 220mm / 8.66"

Back enclosure outer diameter: 250mm / 9.84"

Cutout diameter: 252mm / 9.92"

Grill diameter: 282mm / 11.1"

Shipping

Packed in Pairs

Shipping dimensions (pair + accessories) 720mm x 350mm x 306mm/ 28.4" x 13.8" x 12.1"

Shipping weight (pair + accessories): 11.6kg (25.6lbs)

Packaging Eco-friendly mono-material packaging made entirely from recyclable carton, designed for durability and ease of recycling

Material

Grill: Black/White Powder Coated Steel, Magnetic, with cloth, paintable

Baffle: V-0 Flame Retardant

Back enclosure: powder-coated steel

Environmental

Operating Temperature: -5° to +50°C (23° to 122°F)

Storage Temperature: -10° to +55°C (14° to 131°F)

Humidity: 30% to 85%, RHL non-condensing

REGULATORY

Safety

UL 2043 Certified: Plenum rated for safe use in air-handling spaces, meeting fire and smoke standards

UL1480A Certified: Meets safety standards for fire-protective signaling in commercial spaces

Environmental

: RoHS, REACH, WEEE

In the Box

1 speaker (single unit), 2 speakers are packed in a single master box

Installation kit including and C-ring and bolts (mounting rails are not included and should be purchased separately)

2 magnetic grills (1 white and 1 black per speaker)

4-pin pluggable Euroblock connector, 28-12AWG

Cutout template

Accessories (bracket bolts, UL cable passthrough, Silicon cable passthrough, zip tie for securing the speaker cable)

Quick Start Guide