



Product description

The Tannoy CVS 4 is a full bandwidth ceiling speaker system comprising a 100 mm (4.00") mid bass driver with a coaxially mounted 19 mm (0.75") high frequency section mounted in a vented, injection moulded, paintable front baffle manufactured from UV/weather resistant UL94V-0 ABS material.

The mineral loaded polypropylene cone material and nitrile rubber surround enhance durability and long-term reliability. This compact unit is specifically designed for all applications requiring the combination of excellent sonic quality for music and speech reinforcement and exceptional reliability.

The CVS 4 is equipped with a low insertion loss 30 W line transformer easily configurable to the following settings via front baffle mounted rotary tapping switch:

70 V systems: 30 W / 15 W / 7.5 W / 3.75 W / OFF & low impedance operation

100 V systems: 30 W / 15 W / 7.5 W / OFF & low impedance operation

The CVS 4 is supplied with an integral painted steel back can, with recessed termination box, to satisfy the vast majority of installation application requirements. The removable locking connector has screw terminals for secure wire termination and "loop through" facility. Strain relief is provided by a clamping mechanism for use with plenum rated cable or conduit. Security toggle clamps make for quick and easy installation, while two tile support rails and one C-ring are also included in the package. A plaster (mud) ring is available as an optional accessory.

Features

- Coaxially mounted 100 mm (4.00") mineral loaded woofer with rubber surround and 19 mm (0.75") soft dome diffraction loaded tweeter
- High power & high sensitivity with extended frequency response and very low distortion
- Wide, controlled constant directivity dispersion for optimum coverage
- UV/weather resistant UL94V-0 ABS front baffle
- Easily accessible tapping switch on front baffle
- Low insertion loss 30 W line transformer
- Ferrofluid cooled neodymium HF
- Packaged with tile rails and C-ring for quick & easy installation and simple stocking logistics

Physical data

Bezel diameter: 213.0 mm (8.39")

Front of ceiling to rear of back can: 202.5 mm (7.97")

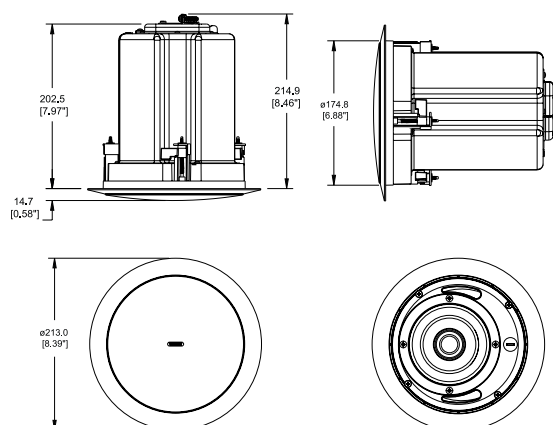
Front of ceiling to top of safety loop: 214.9 mm (8.46")

Hole cutout diameter: 180.0 mm (7.09")

Net Weight: 3.8 kg (8.38 lbs)

Enclosure: Blind Mount (BM)

Finish: White / Paintable



Applications

- Multizone Foreground Music & Paging Systems
- Boardrooms & Offices
- Business Music Systems
- Airports, Convention Centres, Hotels
- Reception / Waiting Rooms
- Houses of Worship
- Retail Outlets / Shopping Malls
- Lounges / Bars
- Cruise Ships
- Courtrooms

Technical Data Sheet

Specifications

CVS 4

Performance

System	CVS 4
Frequency response (-3 dB) ⁽¹⁾	85 Hz - 19 kHz
Frequency range (-10 dB) ⁽¹⁾	77 Hz - 22 kHz
System sensitivity (1 W @ 1 m) ⁽²⁾	87 dB (1 W = 2.45 V for 6 ohms)
Nominal Coverage Angle	90 degrees conical
Coverage Angle (1 kHz to 6 kHz)	102 degrees conical
Directivity factor (Q)	5.6 averaged 1 kHz to 6 kHz
Directivity Index (DI)	7.1 averaged 1 kHz to 6 kHz
Power Handling ⁽³⁾	
Average	40 W
Programme	80 W
Peak	160 W
Recommended Amplifier Power	80 W @ 6 ohms
Nominal Impedance	6 ohms
Rated maximum SPL ⁽²⁾	
Average	103 dB
Peak	109 dB
Transformer Taps (via front rotary switch)	
70 V	30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / 3.75 W (1320 Ω) / OFF & low impedance operation
100 V	30 W (330 Ω) / 15 W (660 Ω) / 7.5 W (1320 Ω) / OFF & low impedance operation
Crossover Point	2.7 kHz

Distortion

10% full power	Harmonics		
	250 Hz	2nd	3rd
	1 kHz	0.231%	0.112%
	10 kHz	0.229%	0.253%
		0.163%	0.025%
1% full power	250 Hz	0.99%	0.169%
	1 kHz	0.816%	0.027%
	10 kHz	0.444%	0.07%

Transducers

Low Frequency	100 mm (4.00") mineral loaded cone material
High Frequency	19 mm (0.75") coaxially mounted

Physical

Enclosure	Blind Mount (BM)
Back can	Painted steel
Baffle	Reflex loaded UL 94V-0 rated ABS
Grille	Steel, with weather resistant coating
Safety Features	Safety ring located at rear of enclosure for load bearing safety bond
Clamping Design	Security toggle clamp
Back Can	
Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22 mm
Connectors	Removable locking connector with screw terminals with "loop through" facility
Safety Agency Ratings	UL-1480, UL-2043, CE
Dimensions	
Bezel diameter	213.0 mm (8.39")
Front of ceiling to rear of back can	202.5 mm (7.97")
Front of ceiling to top of safety loop	214.9 mm (8.46")
Hole cutout diameter	180 mm (7.09")
Net Weight (ea)	3.8 kg (8.38 lbs)
Included Accessories	C-Ring, tile-bridge kit, paint mask, cut-out template
Optional Accessories	Plaster (mud) ring
Packed Quantity	2

Ordering Information

Part Number	Colour
8001 4230	White / Paintable
8001 4180	Zinc Plated Steel
Plaster (Mud) Ring (CVS 4)	



Notes:

1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
2. Unweighted pink noise input, measured at 1 metre on axis
3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease™ Data can be downloaded from www.tannoy.com

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