



## Product description

The Tannoy CVS 8 is a full bandwidth large-format in-ceiling speaker system of class-leading performance and exceptional value. The design comprises of 200 mm (8.00") 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 new device is currently pending UL Listed status (UL-1480 and UL-2043).

The mineral loaded polypropylene cone material and nitrile rubber surround provide durability and long-term reliability, minimising system maintenance costs and future disruption to any facility. This compact unit is specifically designed for applications requiring the combination of music and speech reinforcement at higher SPLs with consistent functionality and full bandwidth sound quality. Typical applications include shopping malls, large conference facilities, hotel lobbies and ballrooms, and larger bars and high-end restaurants where higher BGM specifications are often specified and demanded.

The CVS 8 is equipped with a low insertion loss 60 W line transformer easily configurable to the following settings via front baffle mounted rotary tapping switch:

**70 V systems: 60 W / 30 W / 15 W / 7.5 W / OFF & low impedance operation**

**100 V systems: 60 W / 30 W / 15 W / OFF & low impedance operation**

## Features

- Coaxially mounted 200 mm (8.00") 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 60 W line transformer
- Ferrofluid cooled neodymium HF
- Packaged with tile rails and C-ring for quick & easy installation and simple stocking logistics

The CVS 8 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.

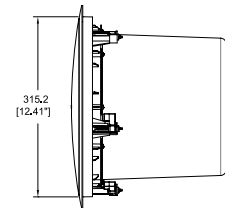
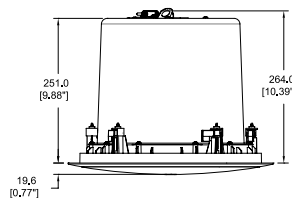
## Physical data

<b>Bezel diameter:</b>	355.6 mm (14.00")
<b>Front of ceiling to rear of back can:</b>	251.0 mm (9.88")
<b>Front of ceiling to top of safety loop:</b>	264.0 mm (10.39")
<b>Hole cutout diameter:</b>	320.0 mm (12.6")

<b>Net Weight:</b>	5.3 kg (11.68 lbs)
<b>Enclosure:</b>	Blind Mount (BM)
<b>Finish:</b>	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 8

### Performance

<b>System</b>	CVS 8
<b>Frequency response (-3 dB) <sup>(1)</sup></b>	79 Hz - 21 kHz
<b>Frequency range (-10 dB) <sup>(1)</sup></b>	60 Hz - 24 kHz
<b>System sensitivity (1 W @ 1 m) <sup>(2)</sup></b>	93 dB (1 W = 2.45 V for 8 ohms)
<b>Nominal Coverage Angle</b>	90 degrees conical
<b>Coverage Angle (1 kHz to 6 kHz)</b>	84 degrees conical
<b>Directivity factor (Q)</b>	14.7 averaged 1 kHz to 6 kHz
<b>Directivity Index (DI)</b>	11.7 averaged 1 kHz to 6 kHz
<b>Power Handling <sup>(3)</sup></b>	
Average	60 W
Programme	120 W
Peak	240 W
<b>Recommended Amplifier Power</b>	120 W @ 6 ohms
<b>Nominal Impedance</b>	6 ohms
<b>Rated maximum SPL <sup>(2)</sup></b>	
Average	111 dB
Peak	117 dB
<b>Transformer Taps (via front rotary switch)</b>	
70 V	60 W (83 Ω) / 30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / OFF & low impedance operation
100 V	60 W (165 Ω) / 30 W (330 Ω) / 15 W (660 Ω) / OFF & low impedance operation
<b>Crossover Point</b>	6 kHz

### Distortion

10% full power		Harmonics	
		2nd	3rd
	<b>250 Hz</b>	1.10%	0.25%
	<b>1 kHz</b>	0.55%	0.70%
	<b>10 kHz</b>	0.52%	0.03%
<b>1% full power</b>			
	<b>250 Hz</b>	0.33%	0.25%
	<b>1 kHz</b>	0.15%	0.63%
	<b>10 kHz</b>	0.12%	0.03%

### Transducers

<b>Low Frequency</b>	200 mm (8.00") mineral loaded cone material
<b>High Frequency</b>	19 mm (0.75") coaxially mounted

### Physical

<b>Enclosure</b>	Blind Mount (BM)
Back can	Painted steel
Baffle	Reflex loaded UL 94V-0 rated ABS
Grille	Steel, with weather resistant coating
<b>Safety Features</b>	Safety ring located at rear of enclosure for load bearing safety bond
<b>Clamping Design</b>	Security toggle clamp
<b>Back Can</b>	
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
<b>Dimensions</b>	
Bezel diameter	355.6 mm (14.00")
Front of ceiling to rear of back can	251.0 mm (9.88")
Front of ceiling to top of safety loop	264.0 mm (10.39")
Hole cutout diameter	320 mm (12.6")
<b>Net Weight (ea)</b>	5.3 kg (11.68 lbs)
<b>Included Accessories</b>	C-Ring, tile-bridge kit, paint mask, cut-out template
<b>Optional Accessories</b>	Plaster (mud) ring
<b>Packed Quantity</b>	2

### Ordering Information

<b>Part Number</b>	<b>Colour</b>
8001 6290	White / Paintable
<b>8001 6440</b>	<b>Zinc Plated Steel</b>
<b>Plaster (Mud) Ring (CVS 8)</b>	



#### 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](http://www.tannoy.com)

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