



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

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.

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

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

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TECHNICAL SPECIFICATIONS

System	CVS 8	
Frequency Response (-3dB) ⁽¹⁾	79 Hz - 21 kHz	
Frequency Range (-10dB) ⁽¹⁾	60 Hz - 24 kHz	
System Sensitivity (1W @1m) ⁽²⁾	93 dB (1W = 2.45 V for 6 Ohms)	
Nominal Coverage Angle	90 degrees conical	
Coverage Angle (1kHz to 6kHz)	84 degrees conical	
Directivity Factor (Q)	14.7 averaged 1 kHz to 6 kHz	
Directivity Index (DI)	11.7 averaged 1 kHz to 6 kHz	
Rated Maximum SPL ⁽²⁾	111 dB (average) 117 dB (peak)	
Power Handling ⁽³⁾		
Average	60 W	
Programme	120 W	
Peak	240 W	
Recommended Amplifier Power	120 W @ 6 Ohms	
Nominal Impedance	6 Ohms	
Transformer Taps (via front rotary switch)		
70 V	60 W / 30 W / 15 W / 7.5 W / OFF & low impedance operation	
100 V	60 W / 30 W / 15 W / OFF & low impedance operation	
Distortion		
1% Full Power	2nd Harmonic	3rd Harmonic
250 Hz	0.33%	0.25%
1 kHz	0.15%	0.63%
10 kHz	0.12%	0.03%
10% Full Power	2nd Harmonic	3rd Harmonic
250 Hz	1.10%	0.25%
1 kHz	0.55%	0.70%
10 kHz	0.52%	0.03%
Crossover Point	6 kHz	

Notes

(1) 1. Average over stated Bandwidth. Measured in an IEC baffle in an Anechoic Chamber

(2) Unweighted Pink noise input, measured at 1 m 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

Full independent verification of published specifications carried out by NWAA Labs, Washington can also be obtained from the downloads section of www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

Transducers

Low Frequency	Coaxial 200 mm (8.00") mineral loaded cone material
High Frequency	19 mm (0.75")

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
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Clamping Design	Security toggle clamp
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Back Can

Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22mm
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Connectors	Removable locking connector with screw terminals with "loop through" facility
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Safety Agency Ratings	UL-1480, UL-2043, CE
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Hole Cutout Diameter	320 mm (12.6")
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Dimensions	
Bezel diameter	355.6 mm (14.00")

Front of ceiling to rear of back can	251.0 mm (9.88")
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Front of ceiling to top of safety loop	264.0 mm (10.39")
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Net Weight (ea)	5.3 kg (11.68 lbs)
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Included Accessories	C-ring, Tile bridge, paint mask, cutout template, grille
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Optional Accessories	Plaster (mud) ring
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Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 6290	CVS 8	WHITE / PAINTABLE	2

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