CVS4 Micro

LISTED
UL-1480,
UL-2043

Product Description

The CVS4 Micro is a full bandwidth ceiling speaker system comprising a 100mm (4.00”) mid bass driver with a coaxially mounted 19mm (0.75”) high frequency section mounted in a vented, injection moulded, paintable front baffle manufactured from UV/weather resistant UL94V-0 ABS material.

CVS4 Micro is perfect for those demanding applications where above-ceiling space is limited thanks to its shallow back can with a depth of less than 4” (98.3mm), while still delivering a combination of excellent sonic quality for music and speech reinforcement and exceptional reliability.

With a frequency range of 90Hz-22kHz, continuous program power capacity of 80W and sensitivity of 87dB (1w/1m), the CVS4 Micro is suited for medium volume BGM and business/conferencing applications where even coverage and low-distortion, high quality natural sound is required. The mineral loaded polypropylene cone material and nitrile rubber surround of the 4” driver enhance durability and long-term reliability.

The CVS4 Micro is equipped with a low insertion loss 15W line transformer easily configurable to the following settings via front baffle mounted rotary tapping switch:

70V systems: 15W / 7.5W / 3.75W / 1.9W OFF & low Impedance operation
100V systems: 15W / 7.5W / 3.75W OFF & low Impedance operation

Coming supplied with an integral steel back can (measuring just 98.3mm from front of ceiling to back of can) with side access termination box, the CVS4 Micro satisfies the vast majority of installation application requirements where Tannoy’s excellent CVS4 simply won’t fit. 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 100mm (4.00") mineral loaded woofer with rubber surround and 19mm (0.75") soft dome diffraction loaded tweeter
- High power & high sensitivity with 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 15W line transformer
- Ferrofluid cooled neodymium HF
- Packaged with tile rails and C-ring for quick & easy installation and simple stocking logistics
- Shallow back can for limited rear space (98.3mm)

Applications

- Multi-zone foreground music & paging systems
- Boardrooms & offices
- Business music systems
- Airports
- Reception / waiting rooms
- Houses of worship
- Retail outlets / shopping malls
- Lounges / bars
- Cruise ships
- Courtrooms
- Convention centres
- Hotels

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Tannoy adopts a policy of continuous improvement and product specification is subject to change

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TECHNICAL SPECIFICATIONS

System

Frequency Response (-3dB) (1)	110Hz - 19kHz
Frequency Range (-10dB) (1)	90Hz - 22kHz
System Sensitivity (1W @1m) (2)	87dB (1W = 2.45V for 6 Ohms)
Nominal Coverage Angle	90 degrees conical
Coverage Angle (1kHz to 6kHz)	102 degrees
Directivity Factor (Q)	5.6 averaged 1kHz to 6kHz
Directivity Index (DI)	7.1 averaged 1kHz to 6kHz
Rated Maximum SPL (2)	
Average	103dB
Peak	109dB
Power Handling (3)	
Average	40W
Programme	80W
Peak	160W
Rec Amplifier Power	80W @ 6 Ohms
Nominal Impedance	6 Ohms
Transformer Taps (via front rotary switch)	
70V	15W / 7.5W / 3.75W / 1.9W / OFF & low impedance operation
100V	15W / 7.5W / 3.75W / OFF & low impedance operation

Distortion

1% Full Power	2nd Harmonic	3rd Harmonic
250Hz	0.231%	0.112%
1kHz	0.229%	0.253%
10kHz	0.163%	0.025%

10% Full Power	2nd Harmonic	3rd Harmonic
250Hz	0.99%	0.169%
1kHz	0.816%	0.323%
10kHz	0.444%	0.027%

Crossover Point	2.7kHz

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

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	100mm (4.00”) Mineral Loaded
High Frequency	19mm (0.75)

Physical

Enclosure	
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 Options

Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22mm
Connectors	Removable locking connector with screw terminals with “loop through” facility.
Safety Agency Rating	UL-1480, UL-2043, CE
Hole Cutout Diameter	180mm
Dimensions Bezel diameter	213mm (8.39”)
Front of ceiling to rear of back can	98.3mm (3.87”)
Front of ceiling to cable entry centre	46.5mm (1.83”)
NET Weight	2kg
Included Accessories	C Ring, tile bridge, paint mask, cutout template, grille
Optional Accessories	Plaster (mud) ring

Ordering Information

PART NUMBER	MODEL NAME	COLOUR	PACKED QUANTITY
8001 4960	**CVS4 Micro**	**WHITE**	**2**

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