CEILING MONITOR SYSTEMS

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TANNOY®

CMS8 TDC

The Tannoy CMS8 TDC is a premium quality ceiling monitor system based around a 203mm (8") point source, constant directivity Dual Concentric™ transducer.

The drive unit of the CMS8 TDC is the same drive unit used in Tannoy reference-quality studio monitors. It incorporates the latest generation design features including a dual magnet assembly, HF Tulip WaveGuide™ and an injection molded polypropylene LF cone. The high frequency (HF) and low frequency (LF) sources are coincidentally aligned to a point source. The result is a smooth, uniform frequency response over a wide area of coverage unachievable with discrete, two-way designs in the vertical plane where massive cancellations appear off axis at the crossover frequency.

The CMS8 TDC is designed for pre-mount applications. The can is pre-installed, so access to the ceiling cavity is required. The transformer settings (60, 30, 15, 7.5) are commissioned by connecting the input wire to the appropriate terminal during baffle installation.

The TEQ 880 and TEQ 880PL are optimally tuned enclosures: rubber coated, heavily damped back boxes that deliver superior low frequency extension. The TEQ 880 has knockouts for easy straight-through wiring, while the TEQ 880PL is sealed for installations requiring a plenum rated back box. The high quality, minimalist crossover network of the CMS8 TDC in conjunction with the THP 60 Watt transformer produces a high sensitivity, low loss system with wide, dynamic range.

The CMS8 TDC is available as the CMS8 TDC-8 for use in 8Ω operation and as the CMS8 TDC-60, supplied with a THP 60 Watt transformer.

REAR DETAIL

ENCLOSURE DETAIL

BAFFLE INSTALLATION

DRIVER DETAIL

DUAL™ CONCENTRIC

CEILING MONITOR SYSTEMS

TECHNICAL SPECIFICATIONS

CMS8 TDC

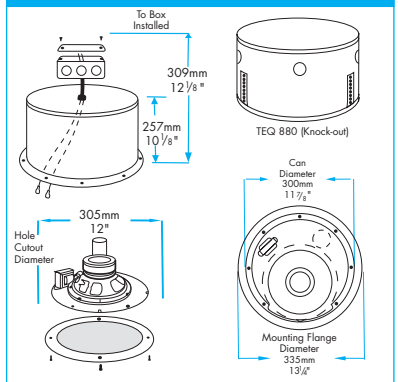
SYSTEM

System Type		Ceiling Monitor Loudspeaker
Frequency Response +/- 3dB(1)		47Hz - 20kHz
	-10dB	37Hz
Recommended Amplifier Power		20 - 180 Watt / 8Ω
Power Handling(2)	Average	90 Watt
	Programme	180 Watt
	Peak	360 Watt
Sensitivity 2.83 Volts @ 1 meter(3)		94dB (half space)
Maximum SPL	THP 60 Transformer	111dB (average)
	Low Impedance	113dB (average) 119dB (peak)
Impedance	Nominal	8Ω
Wattage Tap Selections		60, 30, 15, 7.5 Watts
Dispersion	See Beamwidth Plot	90° Conical
Driver Complement		1 x 203mm (8") Dual Concentric™
Crossover		2kHz - passive

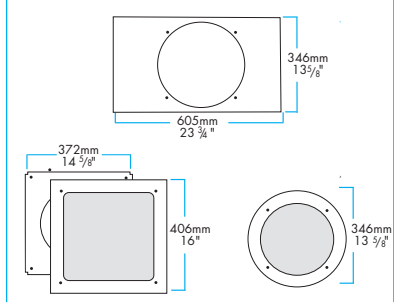
CONSTRUCTION

Enclosure		28 litres, vented
Finish		White grille - paintable
Connectors	TEQ 880PL	Rear accessible junction box
	TEQ 880	Speed clip
Dimensions	Can Height	257mm (10 1/8")
	Baffle Diameter	300mm (11 7/8")
	Cutout Size	305mm (12")
Weight (each)	CMS8 TDC-60 with TEQ 880PL	9.2kg (20lbs 6oz)
Shipping	Quantity	1
	CMS8 TDC	4.7kg (10lbs 5oz)
	CMS8 TDC-60	5.6kg (12lbs 6oz)
	Pack Dimensions	178 x 368 x 368mm (7 x 14 1/2 x 14 1/2")
Accessories (Optional)	TRG 6/8	Round Grille
	TSG 6/8	Square Grille
	TTB 6/8	Tile Bridge
	TEQ 880	Back Can
	TEQ 880PL	Back Can - Plenum Rated

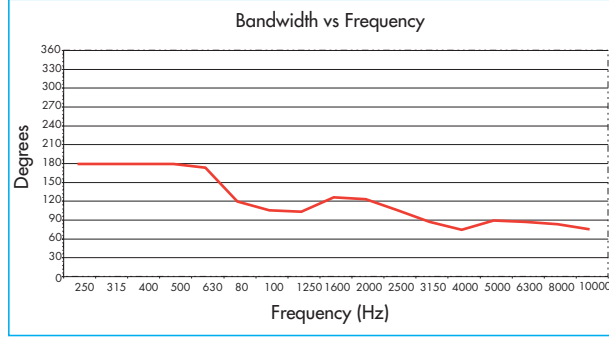
SIDE & TOP ELEVATION



ACCESSORIES



BEAMWIDTH PLOT



NOTES: (1) Average over stated bandwidth. Measured at 1 meter on axis. (2) Long term power handling capacity as defined in EIA standard RS - 426A.
(3) Unweighted pink noise input, measured at 1 meter in an anechoic chamber

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

APPLICATIONS

- Foreground music & paging systems
- Public address systems
- Reception / waiting rooms
- Airports, convention centers, hotels
- Business music systems
- Boardrooms & offices
- Cruise ships
- Retail outlets
- Houses of worship
- Multi room stereo systems

FEATURES

- 8" point source Dual Concentric™ driver
- 90° controlled conical dispersion for optimum coverage and forward gain
- Low insertion loss, 60 Watt line transformer - for a more powerful and dynamic performance
- Optimally tuned enclosure for extended LF response
- Pre-mount back can - baffle installed separately
- Wide, constant directivity dispersion
- High sensitivity
- Magnetic fluid cooled HF
- Quick and easy installation
- Five year loudspeaker warranty

ARCHITECTURAL SPECIFICATIONS

The Ceiling Monitor system shall consist of a 203mm (8") full range, single point source Dual Concentric™ transducer; a cascaded first order high frequency; first order low frequency with positive acoustic polarity frequency dividing system.

The system shall be powered by the THP 60 high performance transformer offering 25 Volt, 70.7 Volt * and 100 Volt operation with 60,30,15,7.5 Watt taps available.

Performance of the ceiling monitor shall meet or exceed the following criteria: The system shall have a conical coverage pattern of 60° at 8kHz and 90° at 2kHz. Frequency response measured on axis shall be 47Hz to 20kHz +/- 3dB. Sensitivity shall be 94dB for 2.83 Volts @ 1 meter with minimal insertion loss accounted for.

The driver impedance and maximum power handling (without transformer) shall be 8Ω and 180 Watts respectively.

The enclosure shall be an optimally tuned, vented enclosure utilizing square grille, round grille and tile bridge options and shall not exceed the following dimensions: 257 x 300 mm or 10 1/8 x 11 7/8" (HxW) including back can.

The Ceiling Monitor System shall be the Tannoy...CMS8 TDC.

* 70 Volt Version only

TANNOY® | DUAL™ CONCENTRIC

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