



The **Tannoy CMS50 ICT** and **CMS50T ICT** (transformer) Ceiling Monitor Systems are suited for high level music and speech reinforcement applications requiring exceptional sonic quality with uncompromised reliability. Both versions are designed for quick, simple and cost effective installation in new and existing buildings, even including line voltage switching from the front baffle (CMS50T ICT). This versatile design has addressed the two most common failures of background music and sound reinforcement systems, which are firstly the tweeter, and secondly the crossover. With the revolutionary design of the ICT™ drive unit, neither of the above applies, assuring years of trouble free use. ICT™ or Inductive Coupling Technology utilises a wireless electromagnetic tweeter that does not require a crossover and can not be burned out from heavy or abusive use.

The ICT™ dome is at the heart of this 5" ceiling transducer which utilises a moulded plastic cone and nitril rubber surround to further enhance it's durability and long term reliability. The ICT driver is housed in a steel ceiling enclosure that has been optimally tuned to achieve maximum bass response and tonal balance.

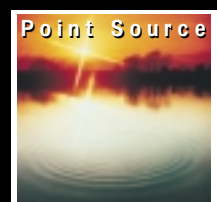


APPLICATIONS

- High level music and speech reinforcement
- Foreground Music / Paging Systems
- Reception / Waiting rooms
- Live Theatre Under Balcony or Fill
- Houses of Worship
- Lounges, Bars, Boutiques
- Boardrooms & Offices
- Airports, Convention Centres, Hotels

FEATURES

- ICT Transducer for greater durability and longevity.
- Phase coherent design – superior vocal articulation and music quality.
- No crossover required – better phase, impedance and sensitivity response.
- 90° controlled conical dispersion for optimum coverage & forward gain.
- Higher power handling for higher output.
- Low insertion loss 30 W Line Transformer – for a more powerful dynamic performance (CMS50T ICT).
- Extended bandwidth for high fidelity.
- Front baffle switch for line voltage settings (CMS50T ICT).



TECHNICAL SPECIFICATIONS

System Type	Vented, full range ICT™ loudspeaker system
Frequency Response (1)	± 3dB 85Hz - 22kHz
Power Handling(2)	50 watt @ 8Ω (CMS50 ICT) 30 watt with transformer (CMS50T ICT)
Sensitivity (1) 2.83 volt @ 1m	90 dB (Anechoic) 93dB (Half-space)
Maximum SPL (3) @ 1m	105 dB with THP 30 Transformer (Anechoic) 108 dB with THP 30 Transformer (Half-space) 107 dB 8Ω (Anechoic) 110 dB 8Ω (Half-space)
Impedance	Nominal: 6.0 Ω Minimum: 4.0 Ω (CMS50 ICT)
DI Averaged (PCQ)	7.8, 500 Hz – 16 kHz
@ 500 Hz (ISO)	3.52
@ 1kHz (ISO)	4.44
@ 2kHz (ISO)	3.40
@ 4kHz (ISO)	10.30
@ 8kHz (ISO)	10.81
@ 16kHz(ISO)	11.95
Q Averaged (PCQ)	7.5, 500 Hz - 16 kHz
@ 500Hz (ISO)	2.25
@ 1kHz (ISO)	2.78
@ 2kHz (ISO)	2.19
@ 4kHz (ISO)	10.73
@ 8kHz (ISO)	12.06
@ 16kHz (ISO)	15.67
Driver Complement	1 x 5" (130mm) full range, ICT™ Point Source
Enclosure	4.3 litres, vented with integral steel back can
Finish	White
Connectors	Barrier strip with removable plug
System Weight (each unpacked)	3.11 kg (6.64lbs) CMS50T ICT
Dimensions	Can height: 187mm (7.36"), 204mm (8.03") incl. tie-back ring Baffle Diameter: 240mm (9.45") Hole cutout size: 210mm (8.27")
Accessories	C Ring (optional) Tile Bridge (optional) Plaster Ring (optional)

NOTES:

(1) Average over stated bandwidth. Measured at 1m on axis, in an anechoic chamber.
(2) Long term power handling capacity as defined in EIA standard RS - 426A. (3) Unweighted pink noise input, measured at 1m.
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 reserve the right to alter without prior notice.
Please verify the latest specifications when dealing with critical applications.

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