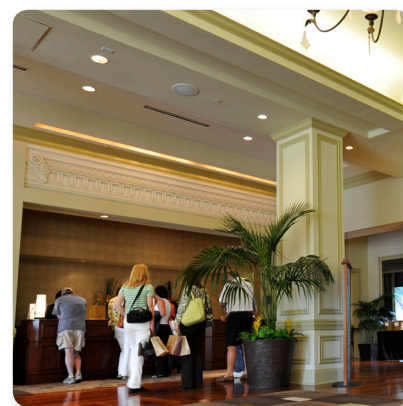


CMS 603ICT BM

6" Full Range Ceiling Loudspeaker with
ICT Driver for Installation Applications
(Blind Mount)

- Full range ceiling loudspeaker for installation applications
- 60 Watts continuous, 240 Watts peak power
- 6" ICT (Inductive Coupling Technology) point source driver for extended frequency range
- Blind Mount version supplied with acoustically enhanced zinc plated steel back can
- Integrated single unit construction for ease of installation
- High durability design for constant heavy usage in demanding applications
- UL 1480 certified for general signalling systems
- UL 2043 certified for air-handling spaces
- Multiple transformer taps for 70 V and 100 V line systems or 16 Ohm direct input
- Low insertion loss 60 W line transformer with easily accessible tapping switch
- Optimised for LAB GRUPPEN low impedance LUCIA amplifiers with up to 8 CMS series loudspeakers per channel
- Semi matt white finish fits unobtrusively in any environment
- Powder coated UV resistant perforated steel mesh grille with dust protection
- Removable magnetic grille for custom painting

The CMS 603ICT BM is a wide bandwidth 240-Watt high sensitivity loudspeaker that utilises our third generation Ceiling Monitor System technology (CMS 3.0). Thanks to an all-new proprietary 6" ICT (Inductive Coupling Technology) point source driver with extended frequency range, the UL certified CMS 603ICT BM delivers consistent broadband directivity with enhanced intelligibility. ICT drivers provide exceptional long-term reliability – and are ideal for constant-usage applications.



Optimised for Installation

Specifically designed with a self-aligning 4 way clamp system for fast, simple and cost effective installation, CMS 603ICT BM features an acoustically enhanced zinc plated steel back can with removable locking screw terminal connector and loop-thru functionality. A low-insertion loss 60 W transformer with convenient front panel tap switching, paintable powder coated steel mesh grille with dust protection, two tile support rails and one C-ring are all included. An Arco style grille, which conceals the entire unit for aesthetic purposes, and plaster (mud) ring are available separately.

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- Optional ARCO designer grilles available for minimal architectural impact
- Self-aligning 4 way clamp mounting system
- Mounting C-ring and ceiling tile rails included
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

LAB GRUPPEN Ready

CMS 603ICT BM is finished in semi matt white and optimised for use with [LAB GRUPPEN LUCIA](#) amplifiers, which accommodate up to 8 CMS Series loudspeakers per channel.



You Are Covered

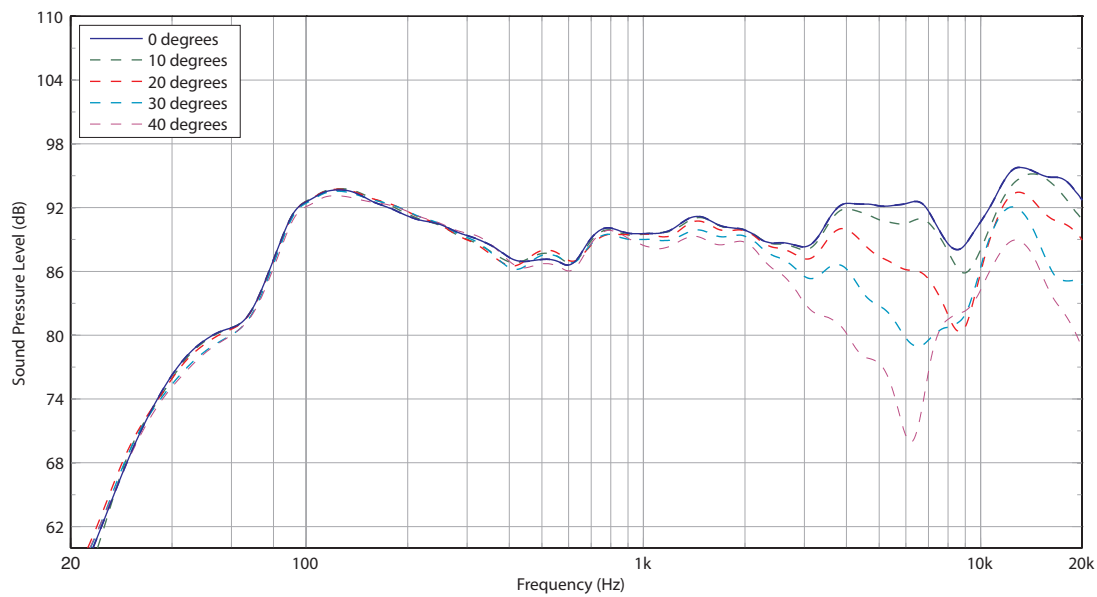
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).

Item Group / Mixers (Line Color)

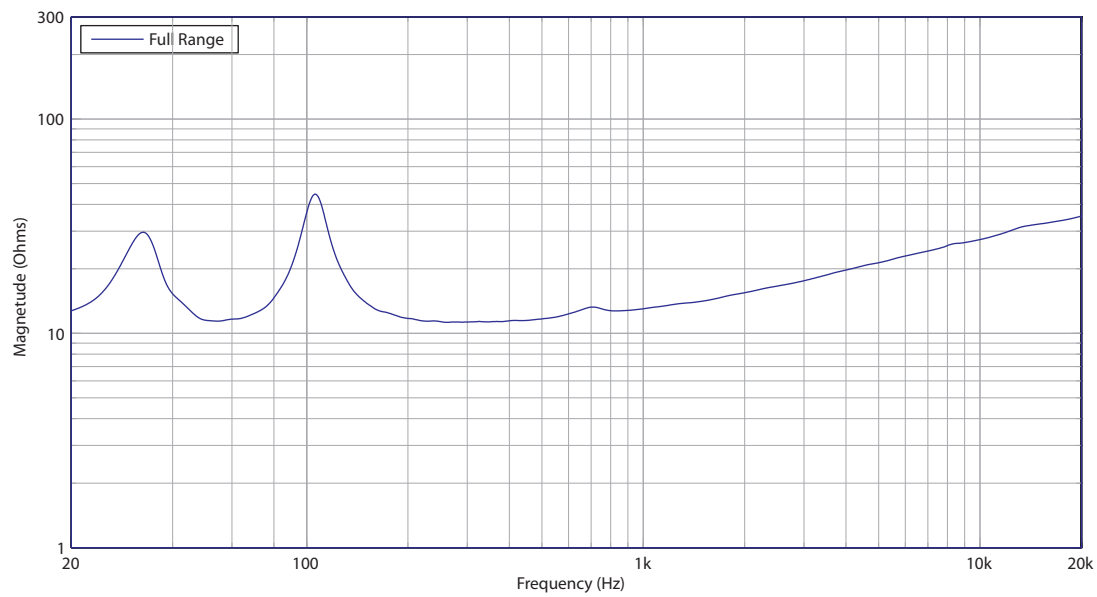
CMS 603ICT BM

6" Full Range Ceiling Loudspeaker with
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Frequency Response Sensitivity 1 W / 1 m



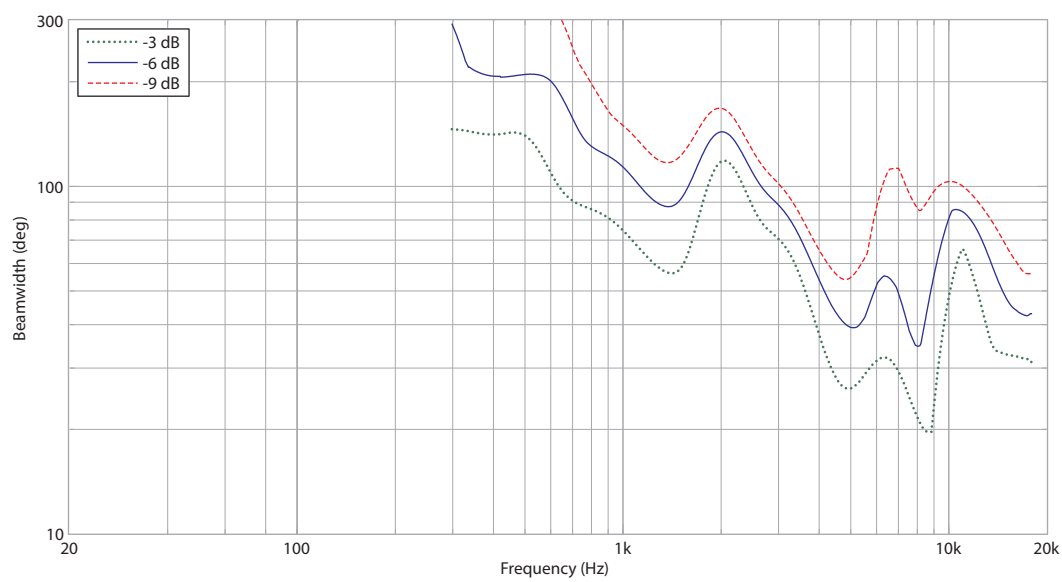
Impedance



CMS 603ICT BM

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Horizontal Beamwidth

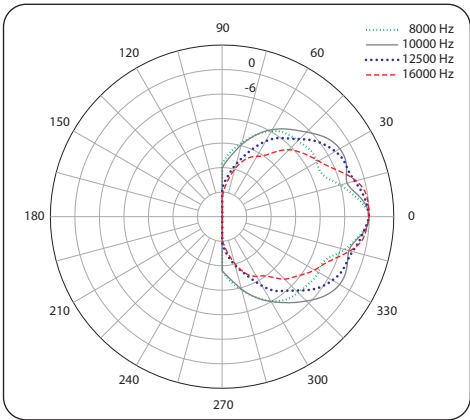
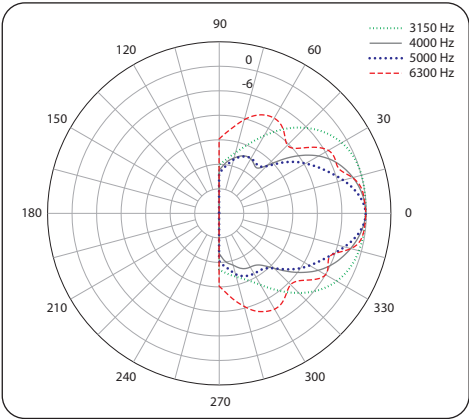
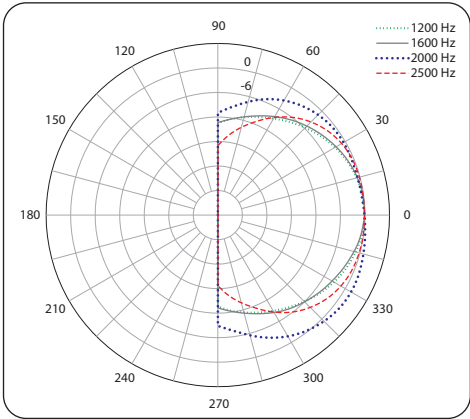
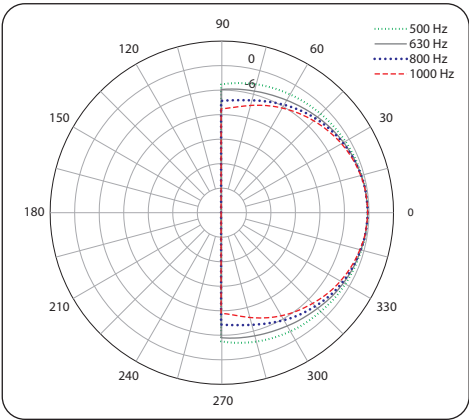
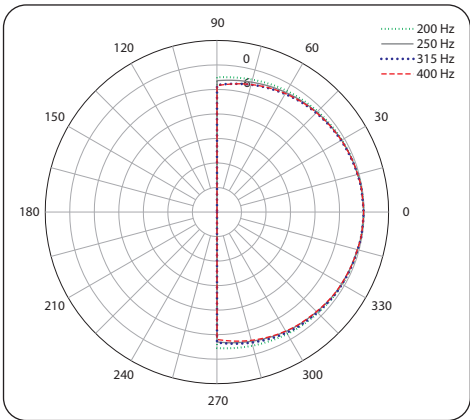


Item Group / Mixers (Line Color)

CMS 603ICT BM

6" Full Range Ceiling Loudspeaker with
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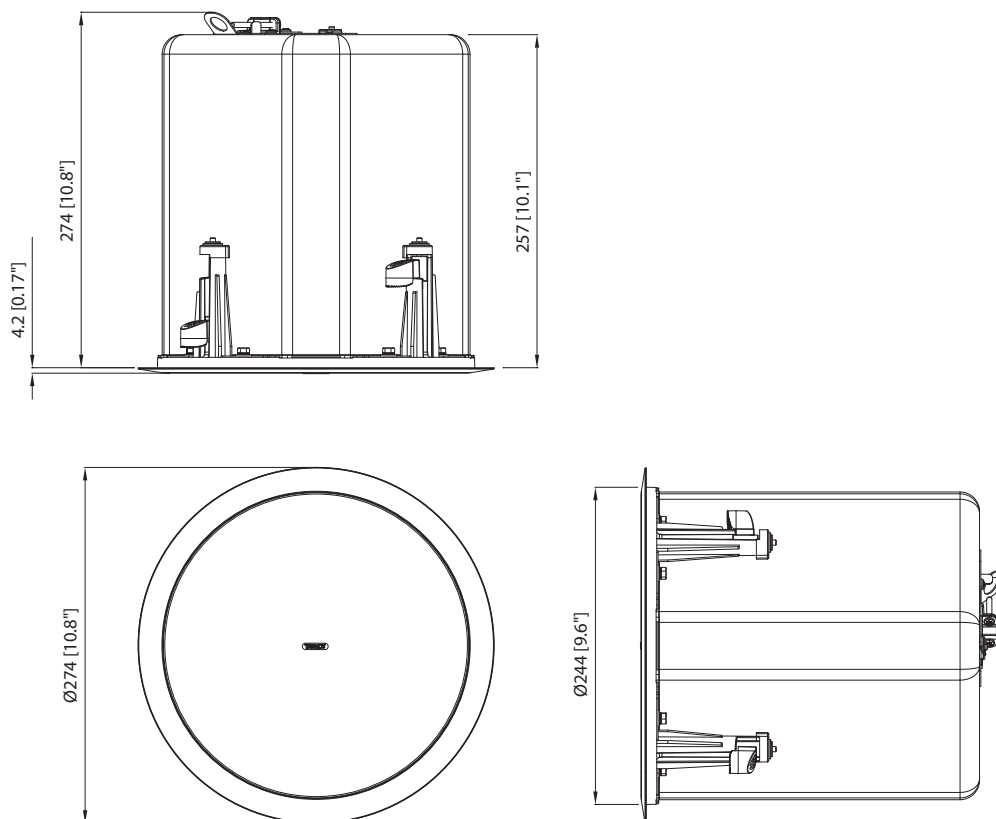
Polar Plots



CMS 603ICT BM

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Dimensions



CMS 603ICT BM

6" Full Range Ceiling Loudspeaker with
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Technical Specifications

Performance

Frequency response (-3 dB) ⁽¹⁾	78 Hz - 22 kHz
Frequency range (-10 dB) ⁽¹⁾	51 Hz - 24 kHz
System sensitivity (1 W @ 1 m) ⁽²⁾	91 dB (1 W = 4 V for 16 Ohms)
Nominal Coverage Angle	90 degrees conical
Coverage Angle (1 kHz to 6 kHz)	92 degrees
Directivity Factor (Q)	7.1 averaged 1 kHz to 6 kHz
Directivity Index (DI)	7.9 averaged 1 kHz to 6 kHz
Power Handling ⁽³⁾	
Average	60 W
Programme	120 W
Peak	240 W
Recommended Amplifier Power	120 W @ 16 Ohms
Nominal Impedance (Lo, Z)	16 Ohms
Rated maximum SPL	
Average	109 dB
Peak	115 dB
Transformer Taps (via front rotary switch)	
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
Crossover	7 kHz inductively coupled

Transducers

Low Frequency	165 mm (6.50") mineral loaded polypropylene
High Frequency	ICT aluminium dome

Physical

Enclosure	
Backcan	Zinc plated 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
CMS 603ICT LS	UL 1480 UUMW certification for Life Safety applications
Clamping Design	Security toggle clamp Min / Max clamping range 9.5 mm (0.37") / 60 mm (2.36") Recommended clamp torque: 1.5 Nm
Backcan Options	Complete with fixed backcan
Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22 mm
Connectors	Removable locking connector with screw terminals with "loop through" facility
Compliance	UL-1480, UL-2043, CE
Dimensions	
Bezel diameter	274.0 mm (10.79")
Front of ceiling to rear of backcan	256.5 mm (10.10")
Front of ceiling to top of safety loop	273.8 mm (10.78")
Hole cutout diameter (all models)	253 mm (9.96")
Net Weight (ea)	5.4 kg (11.9 lbs)
Included Accessories	C-Ring, tile-bridge kit, paint mask, cut-out template, grille
Optional Accessories	Plaster (mud) ring, Arco grille
Packed Quantity	2

Notes:

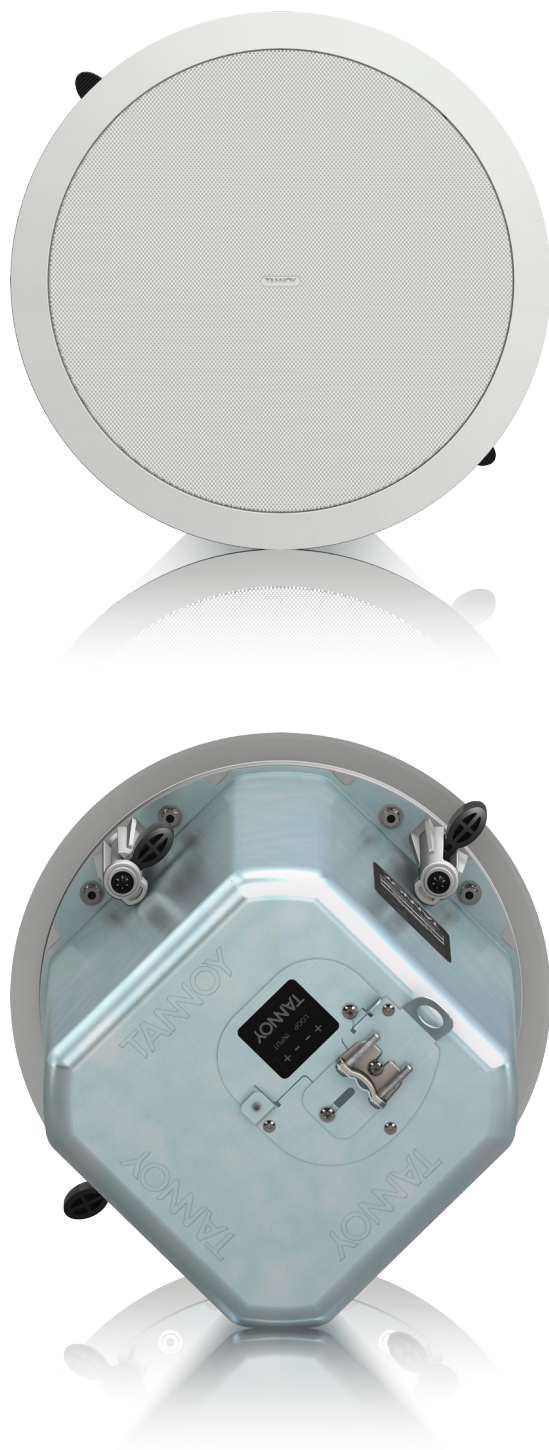
1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
2. Unweighted pink noise input, measured at 1 metre on axis
3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease Data for CMS 603ICT BM can be downloaded from www.tannoypro.com.

TANNOY operates a policy of continuous research and development. The introduction of new materials or manufacturing methods may introduce variations in actual performance; however, actual performance always will 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.

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MADE IN CHINA

SUSPENDING THIS
SYSTEM SHOULD ONLY
BE DONE BY QUALIFIED
PERSONS FOLLOWING
SAFE INSTALLATION
STANDARDS

 Type:G
US 3PHS
LISTED

SPEAKER: CMS 603ICT BM	
WIRING	PASSIVE
1+ / 2-	INPUT
3- / 4+	LINK
INPUT	POWER
70 V LINE	7.5, 15, 30, 60 W
100 V LINE	15, 30, 60 W
16 Ω	120 W PROGRAM

REFER TO INSTALLATION WIRING DIAGRAM IN QUICK START GUIDE

TANNOY

DESIGNED AND ENGINEERED IN THE U.K.

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