

# Quick Start Guide



## CMS 3.0 Series

CMS803DC BM/PI/Q / CMS803 PI BACKCAN  
8" Full Range Ceiling Loudspeaker with Dual Concentric Driver

CMS603DC BM/PI / CMS603ICT BM/PI/LS / CMS603 PI BACKCAN  
6" Full Range Ceiling Loudspeaker with Dual Concentric or ICT Driver

CMS503DC BM/PI/LP / CMS503ICT BM/PI/LP / CMS503 PI BACKCAN  
5" Full Range Ceiling Loudspeaker with Dual Concentric or ICT Driver

CMS403DCE / CMS403ICTE  
4" Full Range Ceiling Loudspeaker with Dual Concentric or ICT Driver and adjustable "eyeball" design

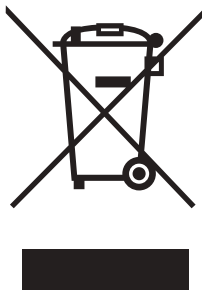
## **EN** Safety Instruction

- 1.** Read these instructions.
- 2.** Keep these instructions.
- 3.** Heed all warnings.
- 4.** Follow all instructions.
- 5.** Do not use this apparatus near water.
- 6.** Clean only with dry cloth.
- 7.** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8.** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9.** Use only attachments/accessories specified by the manufacturer.



- 10.** Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus

combination to avoid injury from tip-over.



- 11.** Correct disposal of this product: This symbol indicates that this product must not be disposed of with household waste, according to the WEEE Directive (2012/19/EU) and your national law. This product should be taken to a collection center licensed for the recycling of waste electrical and electronic equipment (EEE). The mishandling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the efficient use of natural resources. For more information about where you can take your waste equipment for recycling, please contact your local city office, or your household waste collection service.

- 12.** Do not install in a confined space, such as a book case or similar unit.
- 13.** Do not place naked flame sources, such as lighted candles, on the apparatus.

# Introduction

Thank you for purchasing this Tannoy Ceiling Monitor System product. Designed for both speech and music program material, the Tannoy CMS range provides exceptional sonic quality and long-term reliability in all ceiling mount applications. The CMS 3.0 DC series features new 16 ohm Dual Concentric drivers for improved performance and prolonged service life.

## Unpacking

Every Tannoy product is carefully inspected before shipment. After unpacking, please inspect your product to ensure no damage has occurred in transit. In the unlikely event of damage, please notify your dealer and retain all shipping materials as your dealer may require return shipment.

All CMS loudspeakers are shipped in pairs and provided with the following accessories as standard: C-ring, tile-bridge kit, cut-out template and paint mask. A plaster (mud) ring is available as an optional accessory.

## Safety Notices

Some regional construction codes require the use of a secondary method of securing loudspeakers in the ceiling to provide security of a backup support. A secondary support line should be attached from the safety loop on the rear of the product to a source point on the ceiling. For PI models, the secondary support line should be attached from the back of the driver chassis to a source point on the ceiling. Please consult the relevant construction codes in your region.

When using a power driver to install the product, it is essential to use the correct torque level settings to avoid over-tightening and damage to the ceiling material or clamps. Recommended torque setting: 1.5 Nm

Tannoy will not be held responsible for any damages caused by the improper installation of these loudspeakers.

The CMS 603 ICT LS is UL-1480, category UUMW, for use with non-DC supervised systems.

Electrical Safety Notice: To comply with the standard UL-1480, metal-clad flexible conduit (BX) is required for connection to the terminal block for proper earth grounding.

In order to comply with UL regulations, the PI backcan must always be used with the CMS PI models.

# Product Feature Identification

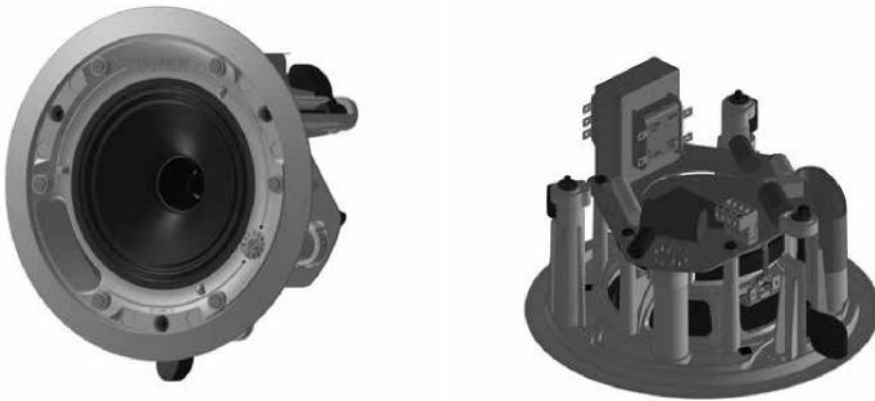
IMPORTANT NOTE: Drawings for each loudspeaker below are generic and apply to the loudspeaker types specified. Some variations will be apparent in some models, but differences are not critical for installation purposes except as noted.

## Blind Mount



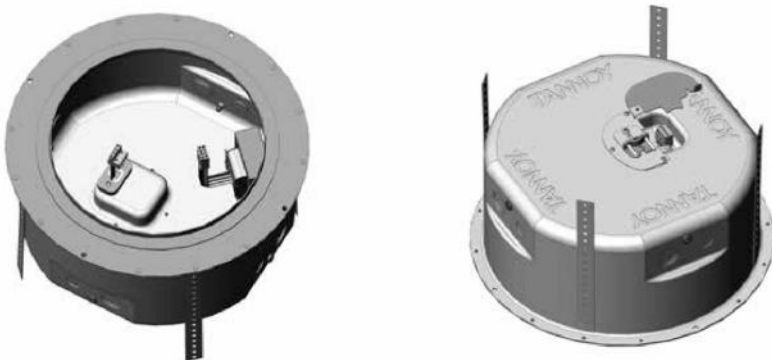
The blind-mount models are supplied with a pre-fitted backcan. Above applies to all models as well any others that do NOT have a "PI" suffix.

## Pre-install



A pre-install (PI) unit is shown without the optional pre-install backcan.

## Pre-install backcan

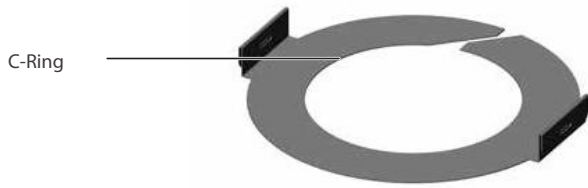


## Optional pre-install (PI) backcan for PI models.

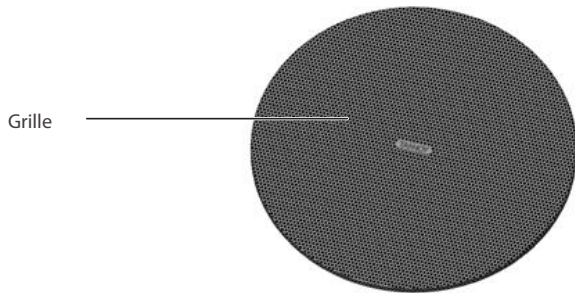
NOTE: The CMS 603DC / ICT PI and CMS 803DC models have the transformer pre-attached to the inside of the backcan. The CMS 503DC / ICT PI has the transformer pre-attached to the loudspeaker assembly.

# Accessories

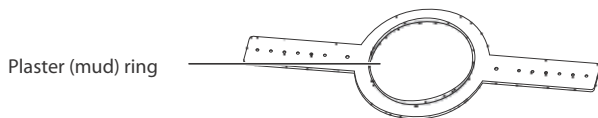
## Standard Accessories



Note: A tile-bridge kit must always be used when installing into suspended ceiling tiles



## Optional Accessories



# Installation Guide for Suspended Ceilings

1. Remove the ceiling tile from its frame and place it on a flat surface. Position the cutout template (self adhesive backed) on the tile. (Fig.1)



Fig.1

2. Cut out the hole in the ceiling tile using a pad saw following the broken line indicated on the template (Fig.2)

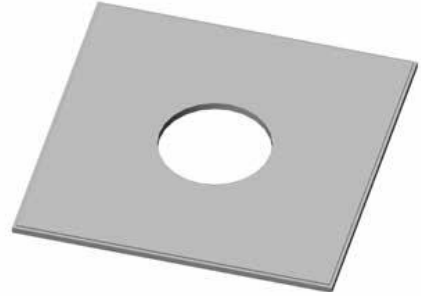


Fig.2

3. Place the C-Ring and tile-bridge on top of the ceiling panel, aligning the C-Ring over the hole, and screw the C-Ring to the tile bridge using the fixings provided. (Fig.3)
4. Go to the 'Wiring and Setting Up' chapter.

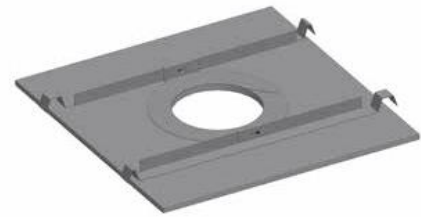


Fig.3

5. Slide the speaker assembly through the hole. Turn the screws (denoted "Screw Fix") clockwise on the front of the speaker to extend the mounting wings. Tighten the screws until a firm grip is achieved. (NOTE: Screws have a PoziDriv head; use of a PoziDriv driver is recommended). If using a power driver, Tannoy recommends a torque setting of 1.5 Nm. (Fig.4)

**DO NOT OVERTIGHTEN!**



Fig.4

6. Attach the nylon safety to the hooks on the front baffle before attaching the grille by presenting it to the speakers and allowing the magnets to pull it into position (Fig.5). (With the CMS 403DCe/ICTe, the grille is already fitted to the product.)



Fig.5

## NOTE ON INSTALLATION OF CMS 403DCe/ICTe:

Before tightening the screws in step 5, swivel the speaker in the desired direction. When the screws are tightened, the speaker will lock into position. Replace the front trim to conceal the mounting screws.

# Installation Guide for Sheetrock (Plasterboard) Ceilings

1. Position the cutout template (self adhesive backed) on the ceiling. (Fig.1)



Fig.1

2. Cut out the hole in the ceiling using a pad saw following the broken line indicated on the template then slide the C-Ring into the ceiling, aligning it over the cut-out hole. (Fig.2)
3. Go to the 'Wiring and Setting Up' chapter, then return to point 4 below.

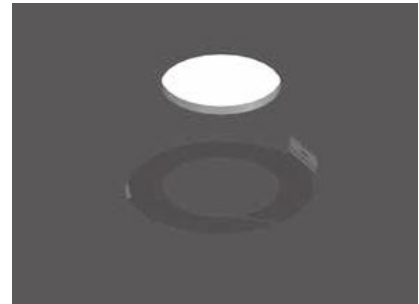


Fig.2

4. Slide the speaker assembly through the hole. Turn the screws (denoted "Screw Fix") clockwise on the front of the speaker to extend the mounting wings. Tighten the screws until a firm grip is achieved. (NOTE: Screws have a PoziDriv head; use of a PoziDriv driver is recommended). If using a power driver, Tannoy recommends a torque setting of 1.5 Nm. (Fig.3)

**DO NOT OVERTIGHTEN!**



Fig.3

5. Attach the nylon safety to the hooks on the front baffle before attaching the grille by presenting it to the speakers and allowing the magnets to pull it into position (Fig.4). (With the CMS 403DCe/ICTe, the grille is already fitted to the product.)



Fig.4

## NOTE ON INSTALLATION OF CMS 403DCe/ICTe:

Before tightening the screws in step 4, swivel the speaker in the desired direction. When the screws are tightened, the speaker will lock into position. Replace the front trim to conceal the mounting screws.

# Installation Guide for Optional Plaster Ring

An optional plaster (mud) ring bracket is available from Tannoy. This bracket is designed to be pre-installed into newly constructed, non-suspended ceilings.

1. Nail or screw the plaster ring to the joists. (Fig.1)

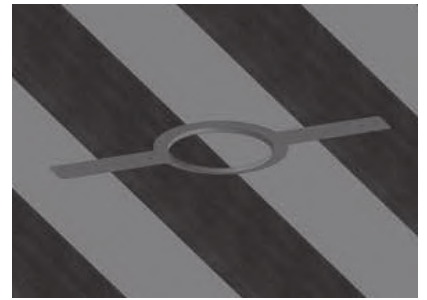


Fig.1

2. Lay the speaker wiring to where the speaker will be fitted and complete the plastering work on the ceiling. (Fig.2)
3. Go to the 'Wiring and Setting Up' chapter, then return to point 4 below.

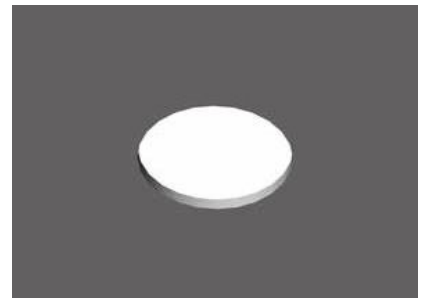


Fig.2

4. Slide the speaker assembly through the hole. Turn the screws (denoted "Screw Fix") clockwise on the front of the speaker to extend the mounting wings. Tighten the screws until a firm grip is achieved. (Note: Screws have a PoziDriv head; use of a PoziDriv driver is recommended). If using a power driver, Tannoy recommends a torque setting of 1.5 Nm. (Fig.3)

**DO NOT OVERTIGHTEN!**



Fig.3

5. Attach the nylon safety to the hooks on the front baffle before attaching the grille by presenting it to the speakers and allowing the magnets to pull it into position (Fig.4). (With the CMS 403DCe/ICTe, the grille is already fitted to the product.)



Fig.4

## NOTE ON INSTALLATION OF CMS 403DCe/ICTe:

Before tightening the screws in step 4, swivel the speaker in the desired direction. When the screws are tightened, the speaker will lock into position. Replace the front trim to conceal the mounting screws.



# Installation Guide for Optional Pre-Installation Backcan (PI Models Only)

An optional pre-install backcan is available for all pre-install (PI) models. The backcan is designed for pre-installation in newly constructed, non-suspended ceilings.

NOTE: The CMS 603DC/ICT and CMS 803DC models have the transformer pre-attached to the inside of the backcan; the CMS 503DC/ICT models have the transformer pre-attached to the loudspeaker assembly.

1. Attach the backcan to a safe and secure fixing point. This can be done in a number of ways:

**METHOD 1:** Fix the backcan to a secure fixing point by using suitable fixings with the 4 fixing holes provided on the PI backcan. (Fig.1)



Fig.1

**METHOD 2:** Secure the backcan to a safe and secure fixing point using suitable fixings with the flexible straps that are attached to the PI backcan. (Fig.2)



Fig.2

**METHOD 3:**

- a. Attach the PI backcan to the optional pre-mount ring (plaster ring) using the fixings provided with the pre-mount ring. (Fig.3)



Fig.3

- b. Next, secure the wings of the pre-mount ring to a safe and secure fixing point by using suitable fixings. (Fig.4)



Fig.4

**Please turn over**

# Installation Guide for Optional Pre-Installation Backcan (PI Models Only)

2. Attach the conduit to the installed backcan. This can be done in two ways:

**METHOD 1:** You can use the clamp at the back of the pre-install backcan. The product will accept a squeeze connector with a thread size of up to 22 mm: To remove the cable clamp, simply unscrew the threaded washer (under the wiring cover) which holds the cable clamp in place and replace it with a conduit squeeze connector. (Fig.5)

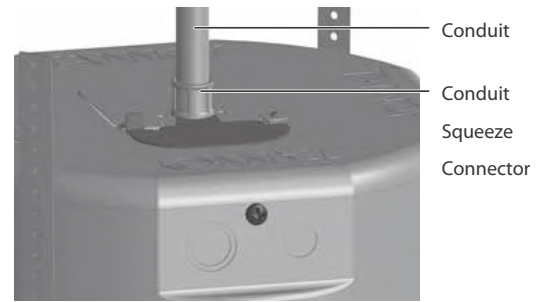


Fig.5

**METHOD 2:** You can use any of the three knock-out points at the sides of the PI backcan (19 mm, 22 mm or 28 mm diameter). (Fig.6)



Fig.6

3. If conduit is not chosen as the wiring method, run an approved speaker cable to the installed can. Terminate in the top mounted cable clamp or with an approved cable connector in one of the three knock-out points at the sides of the PI backcan.

4. Cut hole in the proper location in the ceiling using a pad saw. Place the pre-install backcan over the hole. (Fig.7)

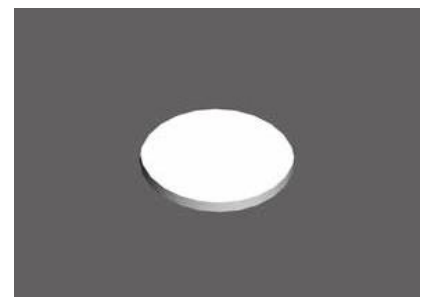


Fig.7

5. Go to the 'Wiring and Setting Up' chapter, then return to point 6 below.

6. Slide the speaker assembly through the hole. Turn the screws (denoted "Screw Fix") clockwise on the front of the speaker to extend the mounting wings. Tighten the screws until a firm grip is achieved. (NOTE: Screws have a PoziDriv head; use of a PoziDriv driver is recommended). If using a power driver, Tannoy recommends a torque setting of 1.5 Nm. (Fig.8)

**DO NOT OVERTIGHTEN!**



Fig.8

7. Attach the nylon safety to the hooks on the front baffle before attaching the grille by presenting it to the speakers and allowing the magnets to pull it into position. (Fig.9)



Fig.9

# Wiring and Setting Up

1. Open the wiring cover (if applicable) and locate the Euro-type connector plug and socket at the back of the speaker. (Fig.1)

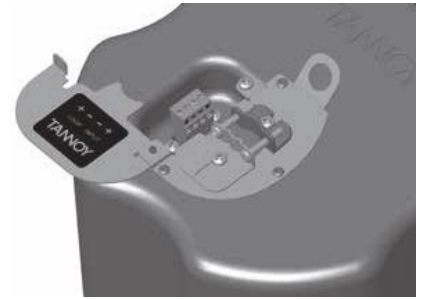


Fig.1

2. For connection to an amplifier, use Pins 1 and 2 (Fig.2):
  - Pin 1 is positive
  - Pin 2 is negative

For connection to additional speakers in a distributed line, Pins 3 and 4 are in parallel where:

- Pin 3 is negative
  - Pin 4 is positive
3. Close the wiring cover and tighten both screws on the cable clamp (if applicable).
  4. Use the rotary switch on the front of the unit to select low impedance (LoZ) mode or high impedance (70 V or 100 V) for distributed applications.



Fig.2

**THE SPEAKER IS SUPPLIED IN LOW IMPEDANCE MODE. NEVER CONNECT THE SPEAKER TO A 70/100 VOLT AMPLIFIER WHILE IT IS SET FOR LOW IMPEDANCE.**

CMS 403DCe/ICTe and CMS 503DC/ICT models (all variants) use a 30 W transformer. In distributed line applications, the transformer can be tapped at 30 W, 15 W and 7.5 W, with an additional 3.75 W tap for 70 V line systems. (Fig.3)



Fig.3

CMS 603DC/ICT and CMS 803DC models (all variants) use a 60 W transformer. In distributed line applications, the transformer can be tapped at 60 W, 30 W and 15 W, with an additional 7.5 W tap for 70 V line systems. (Fig.4)



Fig.4

# Painting

If desired, the grille and baffle panel may be painted to match the surrounding décor.

Painting the baffle:

- Carefully mask off the driver assembly using the paint mask provided to ensure that the paint does not come into contact with the cone and roll surround.
- Apply several thin coats of paint – this will provide a better finish than one overly thick coat.

Painting the grille:

- Carefully remove the acoustically transparent grille cloth from the reverse side of the grille.
- Paint the grille and then replace the grille cloth - several thin coats of paint will provide a better finish than one overly thick coat.
- Re-bond the grille cloth to the grille over the entire area using a light spray-adhesive to avoid audible resonances.

# Introducción

Gracias por comprar este producto de sistema de monitor de techo Tannoy. Diseñada para material de programas de voz y música, la gama Tannoy CMS proporciona una calidad de sonido excepcional y una fiabilidad a largo plazo en todas las aplicaciones de montaje en el techo. La serie CMS 3.0 DC presenta nuevos controladores concéntricos duales de 16 ohmios para un rendimiento mejorado y una vida útil prolongada.

## Desembalaje

Cada producto Tannoy se inspecciona cuidadosamente antes del envío. Después de desembalarlo, inspeccione su producto para asegurarse de que no se hayan producido daños durante el transporte. En el improbable caso de daños, notifique a su distribuidor y conserve todos los materiales de envío, ya que su distribuidor puede requerir el envío de devolución.

Todos los altavoces CMS se envían en pares y se suministran con los siguientes accesorios de serie: anillo en C, kit de puente de baldosas, plantilla recortada y máscara de pintura. Un anillo de yeso (barro) está disponible como accesorio opcional.

## Avisos de seguridad

Algunos códigos de construcción regionales requieren el uso de un método secundario para asegurar los altavoces en el techo para brindar la seguridad de un soporte de respaldo. Se debe conectar una línea de soporte secundaria desde el lazo de seguridad en la parte posterior del producto hasta un punto de origen en el techo. Para los modelos PI, la línea de soporte secundaria debe conectarse desde la parte posterior del chasis del controlador a un punto de origen en el techo. Consulte los códigos de construcción relevantes en su región.

Al utilizar un controlador de potencia para instalar el producto, es esencial utilizar los ajustes de nivel de torsión correctos para evitar apretar demasiado y dañar el material del techo o las abrazaderas. Ajuste de par recomendado: 1,5 Nm

Tannoy no se hace responsable de los daños causados por la instalación incorrecta de estos altavoces.

El CMS 603 ICT LS es UL-1480, categoría UUMW, para uso con sistemas supervisados sin CC.

Aviso de seguridad eléctrica: Para cumplir con la norma UL-1480, se requiere un conducto flexible revestido de metal (BX) para la conexión al bloque de terminales para una conexión a tierra adecuada.

Para cumplir con las regulaciones de UL, el backcan PI siempre debe usarse con los modelos CMS PI.

### NOTA DE SEGURIDAD:

Para cumplir con las regulaciones de seguridad contra incendios relevantes (es decir, BS 5839: 1998), se requiere que en caso de incendio, esa falla del circuito al que está conectado el altavoz no ocurra antes de que se complete la evacuación del edificio. Las medidas adecuadas incluyen: - a) uso de bloques de terminales (para la conexión al primario) con un punto de fusión de no menos de 650 °C, por ejemplo construidos con materiales cerámicos; b) uso de bloques de terminales de punto de fusión más bajo pero protegidos con aislamiento térmico; c) uso de bloques de terminales de manera que, al fundir, no se produzca un circuito abierto o un cortocircuito.

# Painting

If desired, the grille and baffle panel may be painted to match the surrounding décor.

Painting the baffle:

- Carefully mask off the driver assembly using the paint mask provided to ensure that the paint does not come into contact with the cone and roll surround.
- Apply several thin coats of paint – this will provide a better finish than one overly thick coat.

Painting the grille:

- Carefully remove the acoustically transparent grille cloth from the reverse side of the grille.
- Paint the grille and then replace the grille cloth - several thin coats of paint will provide a better finish than one overly thick coat.
- Re-bond the grille cloth to the grille over the entire area using a light spray-adhesive to avoid audible resonances.

# CMS Series Model Dimensions

## CMS 803DC BM

Hole Cut-out Size: 295 mm

Tamaño de corte del orificio: 295 mm

Taille de la découpe du trou: 295 mm

Lochausschnitt Größe: 295 mm

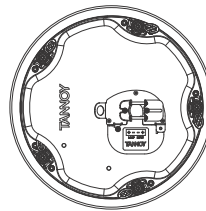
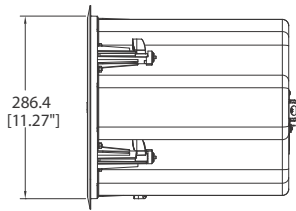
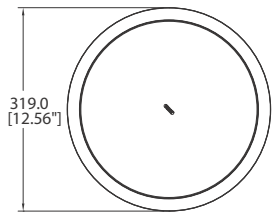
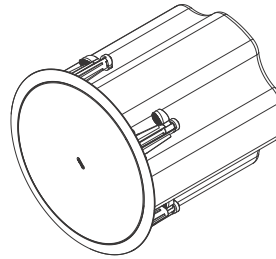
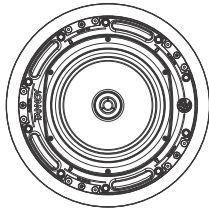
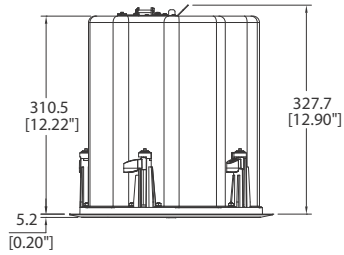
Tamanho do recorte do furo: 295 mm

Dimensione del ritaglio del foro: 295 mm

Gat uitgesneden grootte: 295 mm

Hålsskuren storlek: 295 mm

Rozmiar wycięcia w otworze: 295 mm



## CMS 803DC PI

Hole Cut-out Size: 295 mm

Tamaño de corte del orificio: 295 mm

Taille de la découpe du trou: 295 mm

Lochausschnitt Größe: 295 mm

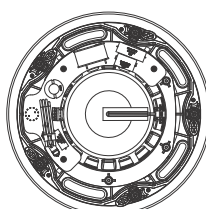
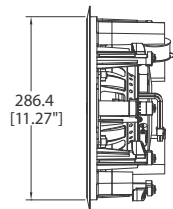
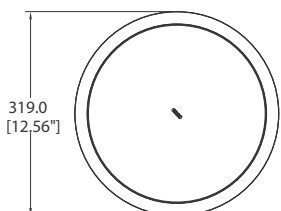
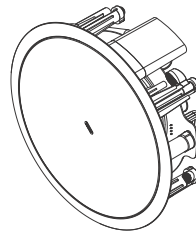
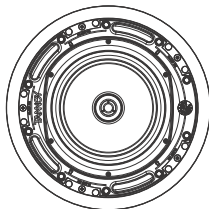
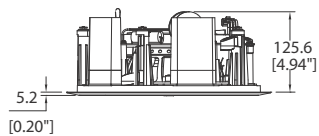
Tamanho do recorte do furo: 295 mm

Dimensione del ritaglio del foro: 295 mm

Gat uitgesneden grootte: 295 mm

Hålsskuren storlek: 295 mm

Rozmiar wycięcia w otworze: 295 mm

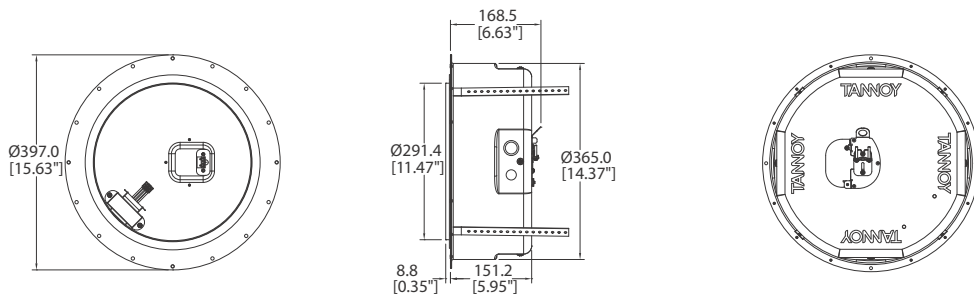
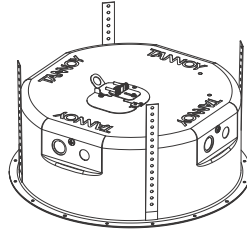
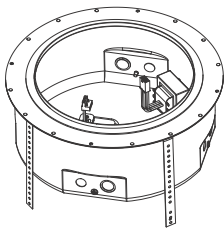




# CMS Series Model Dimensions

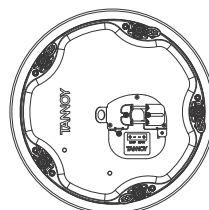
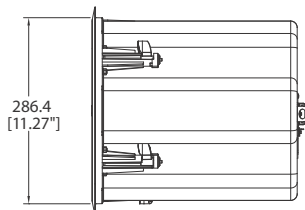
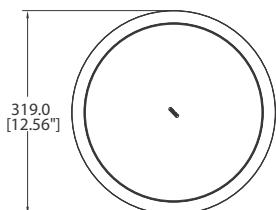
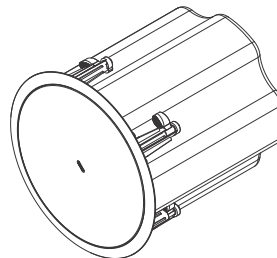
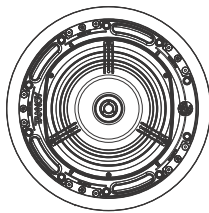
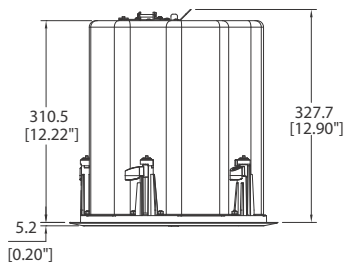
## CMS 803DC PI BACKCAN

Hole Cut-out Size: 295 mm  
Tamaño de corte del orificio: 295 mm  
Taille de la découpe du trou: 295 mm  
Lochausschnitt Größe: 295 mm  
Tamanho do recorte do furo: 295 mm  
Dimensione del ritaglio del foro: 295 mm  
Gat uitgesneden grootte: 295 mm  
Hålsskuren storlek: 295 mm  
Rozmiar wycięcia w otworze: 295 mm



## CMS 803DCQ

Hole Cut-out Size: 295 mm  
Tamaño de corte del orificio: 295 mm  
Taille de la découpe du trou: 295 mm  
Lochausschnitt Größe: 295 mm  
Tamanho do recorte do furo: 295 mm  
Dimensione del ritaglio del foro: 295 mm  
Gat uitgesneden grootte: 295 mm  
Hålsskuren storlek: 295 mm  
Rozmiar wycięcia w otworze: 295 mm



# CMS Series Model Dimensions

## CMS 603DC BM

Hole Cut-out Size: 253 mm

Tamaño de corte del orificio: 253 mm

Taille de la découpe du trou: 253 mm

Lochausschnitt Größe: 253 mm

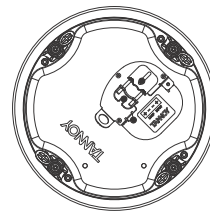
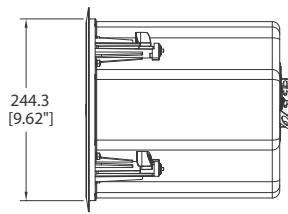
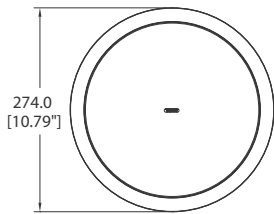
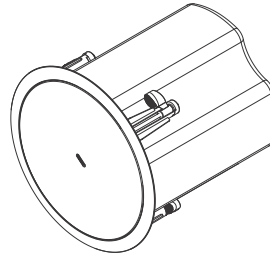
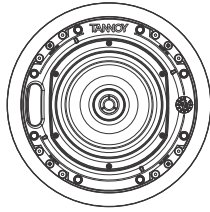
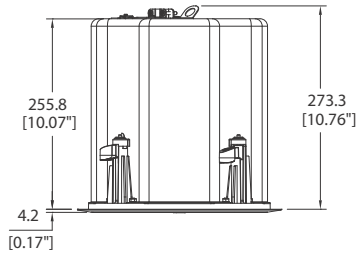
Tamanho do recorte do furo: 253 mm

Dimensione del ritaglio del foro: 253 mm

Gat uitgesneden grootte: 253 mm

Hålsskuren storlek: 253 mm

Rozmiar wycięcia w otworze: 253 mm



## CMS 603ICT BM

Hole Cut-out Size: 253 mm

Tamaño de corte del orificio: 253 mm

Taille de la découpe du trou: 253 mm

Lochausschnitt Größe: 253 mm

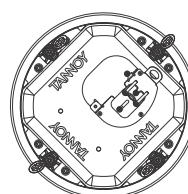
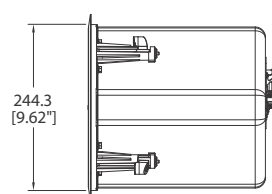
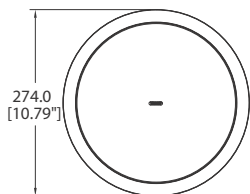
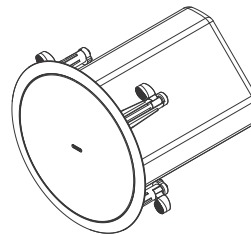
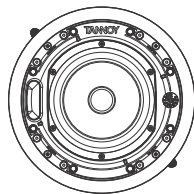
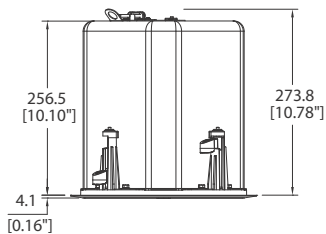
Tamanho do recorte do furo: 253 mm

Dimensione del ritaglio del foro: 253 mm

Gat uitgesneden grootte: 253 mm

Hålsskuren storlek: 253 mm

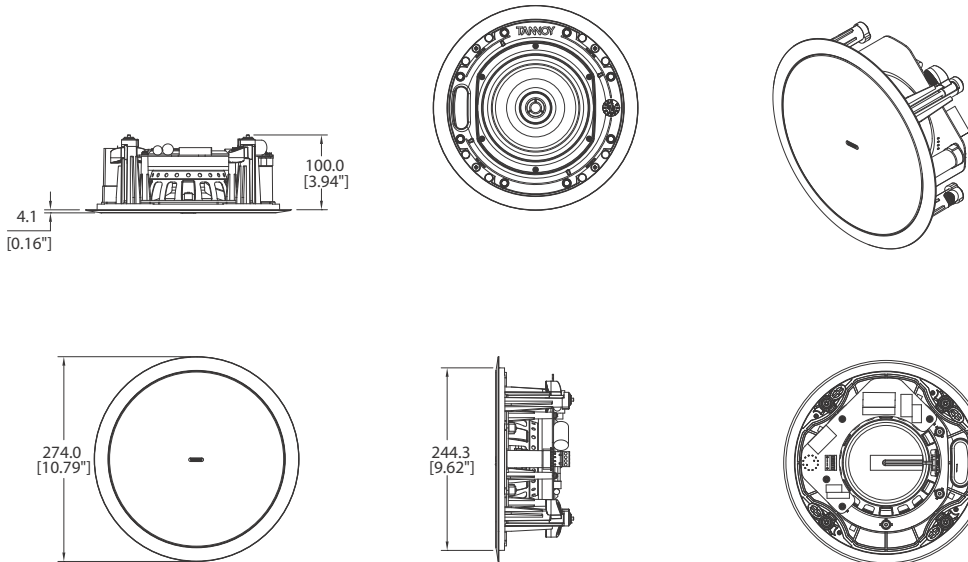
Rozmiar wycięcia w otworze: 253 mm



# CMS Series Model Dimensions

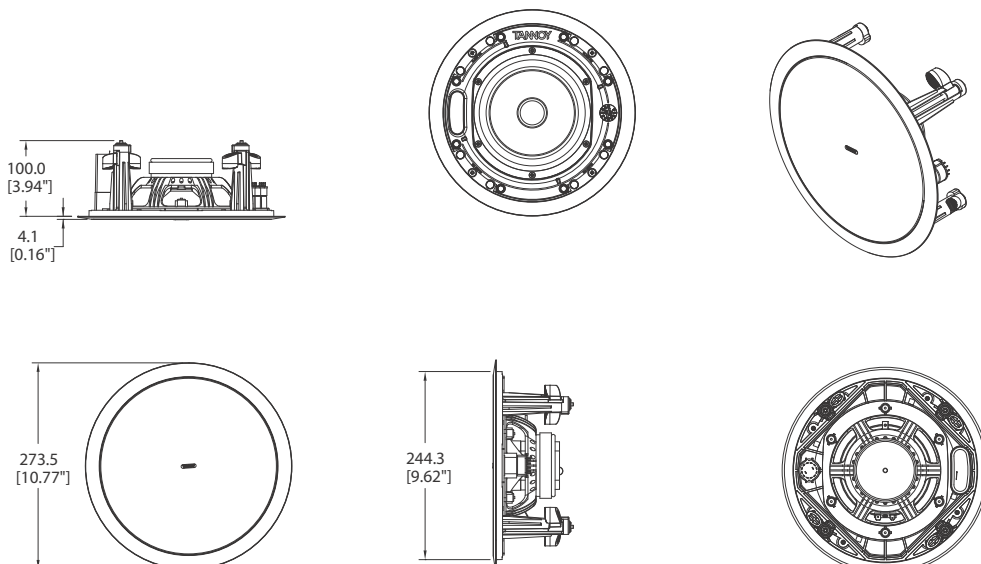
## CMS 603DC PI

Hole Cut-out Size: 253 mm  
Tamaño de corte del orificio: 253 mm  
Taille de la découpe du trou: 253 mm  
Lochausschnitt Größe: 253 mm  
Tamanho do recorte do furo: 253 mm  
Dimensione del ritaglio del foro: 253 mm  
Gat uitgesneden grootte: 253 mm  
Hålsskuren storlek: 253 mm  
Rozmiar wycięcia w otworze: 253 mm



## CMS 603ICT PI

Hole Cut-out Size: 253 mm  
Tamaño de corte del orificio: 253 mm  
Taille de la découpe du trou: 253 mm  
Lochausschnitt Größe: 253 mm  
Tamanho do recorte do furo: 253 mm  
Dimensione del ritaglio del foro: 253 mm  
Gat uitgesneden grootte: 253 mm  
Hålsskuren storlek: 253 mm  
Rozmiar wycięcia w otworze: 253 mm



# CMS Series Model Dimensions

## CMS 603DC PI BACKCAN

Hole Cut-out Size: 253 mm

Tamaño de corte del orificio: 253 mm

Taille de la découpe du trou: 253 mm

Lochausschnitt Größe: 253 mm

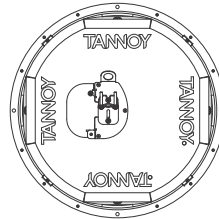
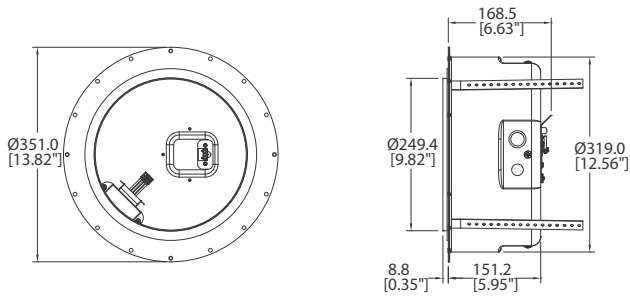
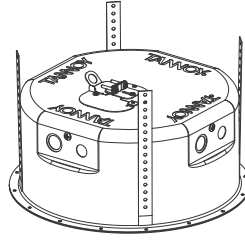
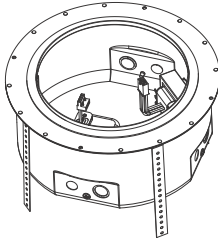
Tamanho do recorte do furo: 253 mm

Dimensione del ritaglio del foro: 253 mm

Gat uitgesneden grootte: 253 mm

Hålsskuren storlek: 253 mm

Rozmiar wycięcia w otworze: 253 mm



## CMS 603ICT PI BACKCAN

Hole Cut-out Size: 253 mm

Tamaño de corte del orificio: 253 mm

Taille de la découpe du trou: 253 mm

Lochausschnitt Größe: 253 mm

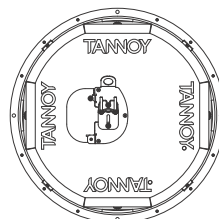
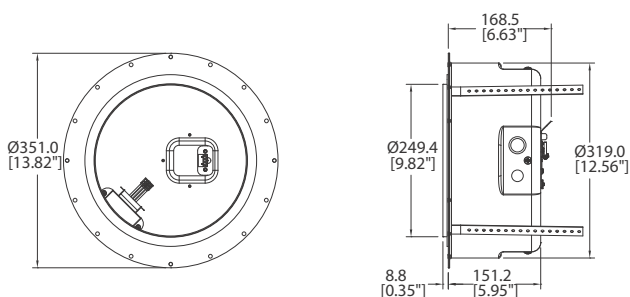
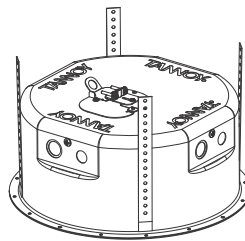
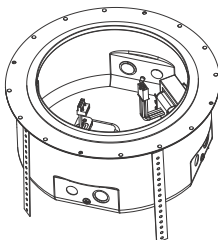
Tamanho do recorte do furo: 253 mm

Dimensione del ritaglio del foro: 253 mm

Gat uitgesneden grootte: 253 mm

Hålsskuren storlek: 253 mm

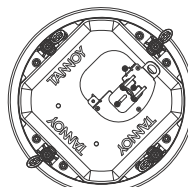
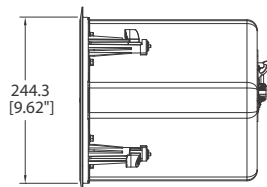
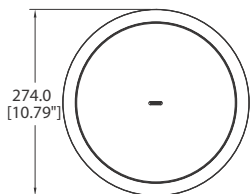
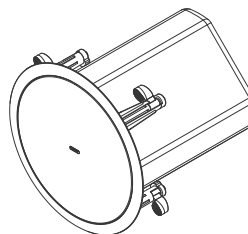
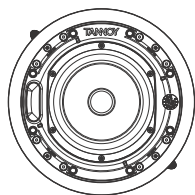
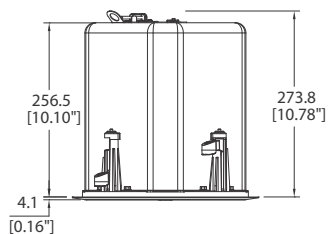
Rozmiar wycięcia w otworze: 253 mm



# CMS Series Model Dimensions

## CMS 603ICT LS

Hole Cut-out Size: 253 mm  
Tamaño de corte del orificio: 253 mm  
Taille de la découpe du trou: 253 mm  
Lochsausschnitt Größe: 253 mm  
Tamanho do recorte do furo: 253 mm  
Dimensione del ritaglio del foro: 253 mm  
Gat uitgesneden grootte: 253 mm  
Hålsskuren storlek: 253 mm  
Rozmiar wycięcia w otworze: 253 mm



# CMS Series Model Dimensions

## CMS 503DC BM

Hole Cut-out Size: 190 mm

Tamaño de corte del orificio: 190 mm

Taille de la découpe du trou: 190 mm

Lochausschnitt Größe: 190 mm

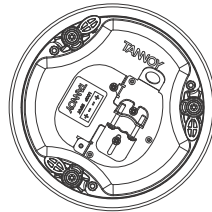
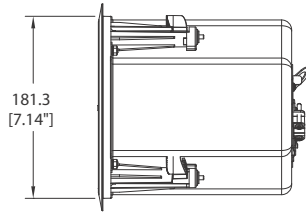
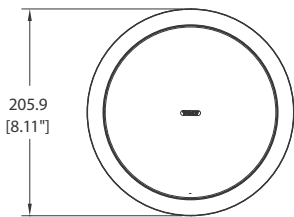
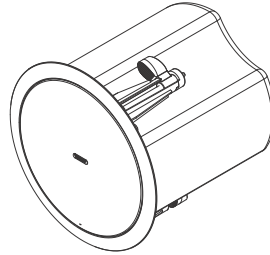
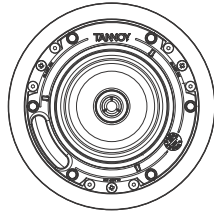
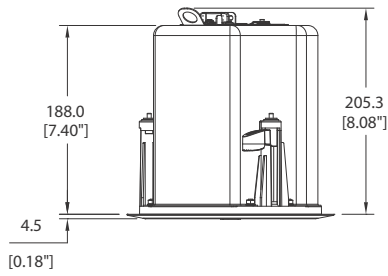
Tamanho do recorte do furo: 190 mm

Dimensione del ritaglio del foro: 190 mm

Gat uitgesneden grootte: 190 mm

Hålsskuren storlek: 190 mm

Rozmiar wycięcia w otworze: 190 mm



## CMS 503ICT BM

Hole Cut-out Size: 190 mm

Tamaño de corte del orificio: 190 mm

Taille de la découpe du trou: 190 mm

Lochausschnitt Größe: 190 mm

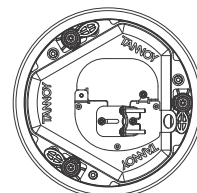
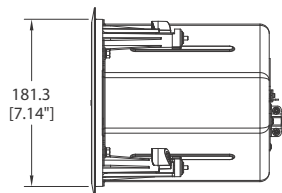
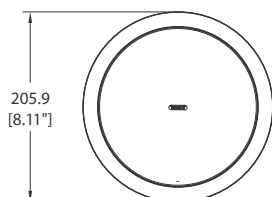
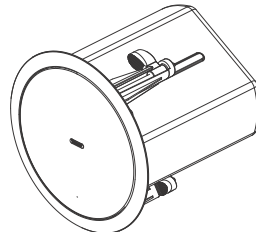
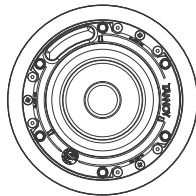
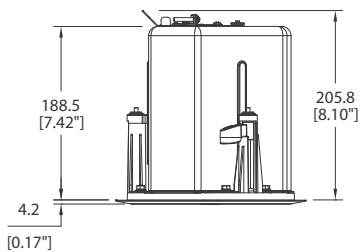
Tamanho do recorte do furo: 190 mm

Dimensione del ritaglio del foro: 190 mm

Gat uitgesneden grootte: 190 mm

Hålsskuren storlek: 190 mm

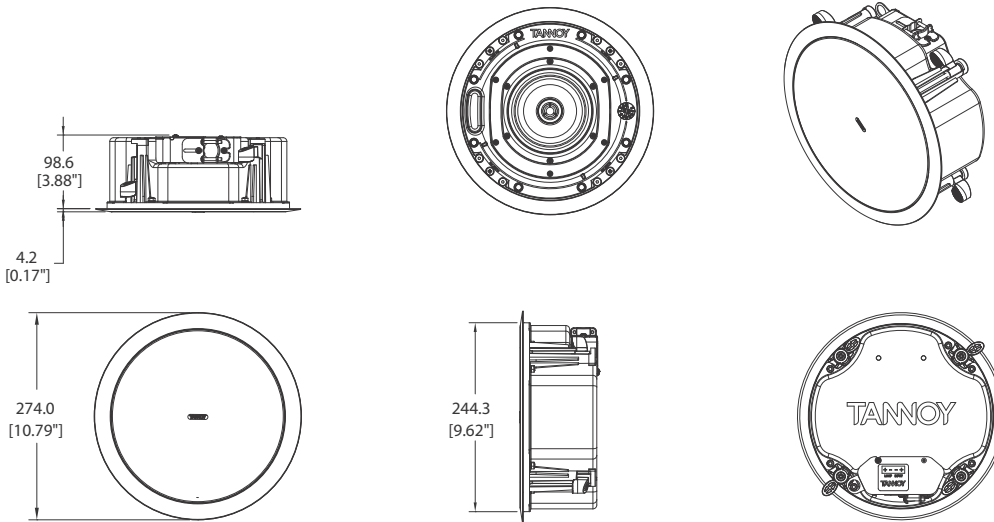
Rozmiar wycięcia w otworze: 190 mm



# CMS Series Model Dimensions

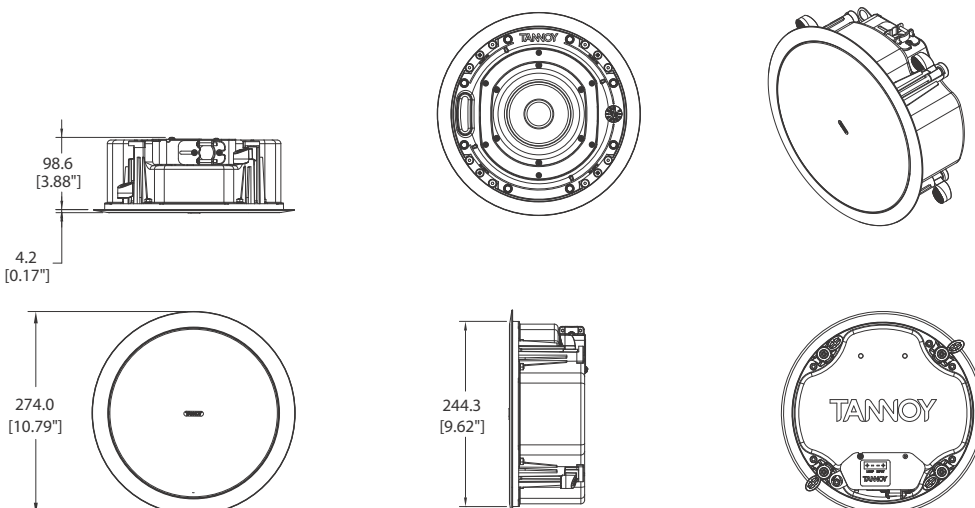
## CMS 503DC LP

Hole Cut-out Size: 253 mm  
Tamaño de corte del orificio: 253 mm  
Taille de la découpe du trou: 253 mm  
Lochausschnitt Größe: 253 mm  
Tamanho do recorte do furo: 253 mm  
Dimensione del ritaglio del foro: 253 mm  
Gat uitgesneden grootte: 253 mm  
Hålsskuren storlek: 253 mm  
Rozmiar wycięcia w otworze: 253 mm



## CMS 503ICT LP

Hole Cut-out Size: 253 mm  
Tamaño de corte del orificio: 253 mm  
Taille de la découpe du trou: 253 mm  
Lochausschnitt Größe: 253 mm  
Tamanho do recorte do furo: 253 mm  
Dimensione del ritaglio del foro: 253 mm  
Gat uitgesneden grootte: 253 mm  
Hålsskuren storlek: 253 mm  
Rozmiar wycięcia w otworze: 253 mm



# CMS Series Model Dimensions

## CMS 503DC PI

Hole Cut-out Size: 190 mm

Tamaño de corte del orificio: 190 mm

Taille de la découpe du trou: 190 mm

Lochausschnitt Größe: 190 mm

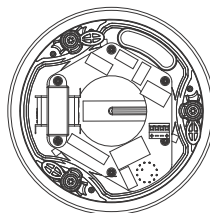
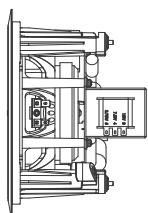
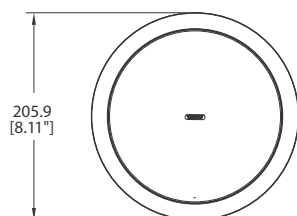
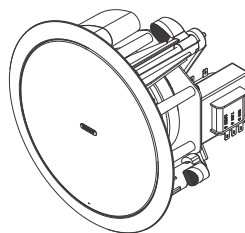
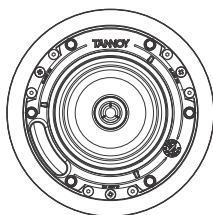
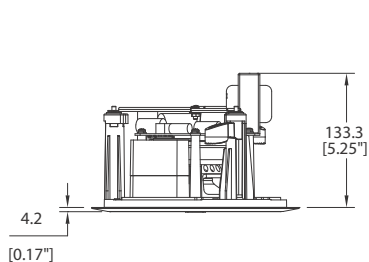
Tamanho do recorte do furo: 190 mm

Dimensione del ritaglio del foro: 190 mm

Gat uitgesneden grootte: 190 mm

Hålsskuren storlek: 190 mm

Rozmiar wycięcia w otworze: 190 mm



## CMS 503ICT PI

Hole Cut-out Size: 190 mm

Tamaño de corte del orificio: 190 mm

Taille de la découpe du trou: 190 mm

Lochausschnitt Größe: 190 mm

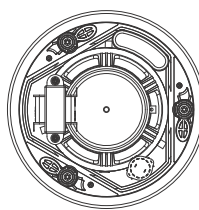
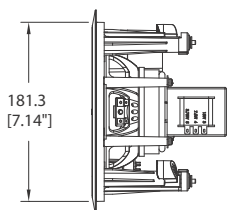
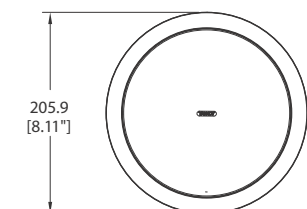
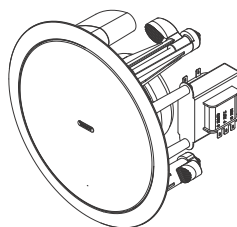
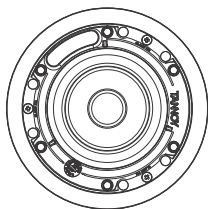
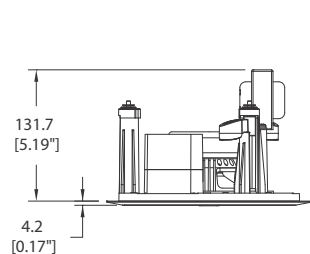
Tamanho do recorte do furo: 190 mm

Dimensione del ritaglio del foro: 190 mm

Gat uitgesneden grootte: 190 mm

Hålsskuren storlek: 190 mm

Rozmiar wycięcia w otworze: 190 mm

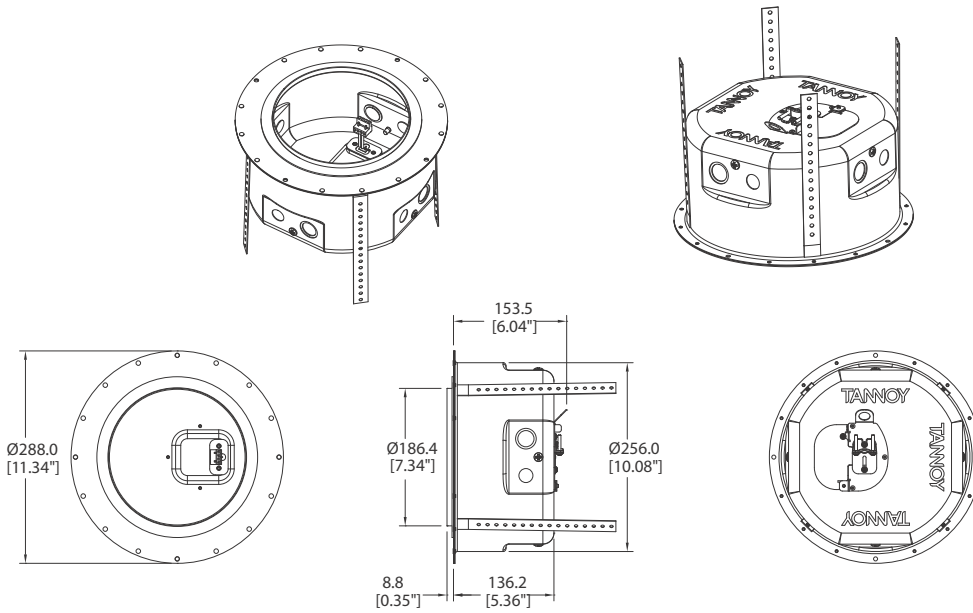




# CMS Series Model Dimensions

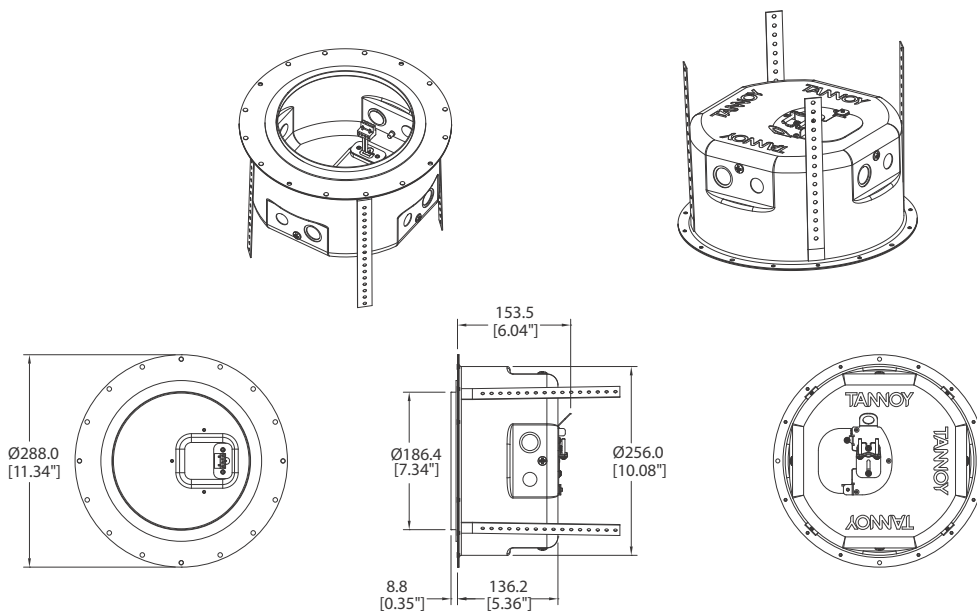
## CMS 503DC PI BACKCAN

Hole Cut-out Size: 190 mm  
Tamaño de corte del orificio: 190 mm  
Taille de la découpe du trou: 190 mm  
Lochausschnitt Größe: 190 mm  
Tamanho do recorte do furo: 190 mm  
Dimensione del ritaglio del foro: 190 mm  
Gat uitgesneden grootte: 190 mm  
Hålsskuren storlek: 190 mm  
Rozmiar wycięcia w otworze: 190 mm



## CMS 503ICT PI BACKCAN

Hole Cut-out Size: 190 mm  
Tamaño de corte del orificio: 190 mm  
Taille de la découpe du trou: 190 mm  
Lochausschnitt Größe: 190 mm  
Tamanho do recorte do furo: 190 mm  
Dimensione del ritaglio del foro: 190 mm  
Gat uitgesneden grootte: 190 mm  
Hålsskuren storlek: 190 mm  
Rozmiar wycięcia w otworze: 190 mm



# CMS Series Model Dimensions

## CMS 403DCe

Hole Cut-out Size: 187 mm

Tamaño de corte del orificio: 187 mm

Taille de la découpe du trou: 187 mm

Lochausschnitt Größe: 187 mm

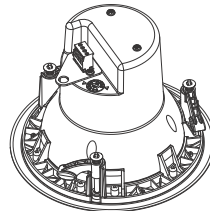
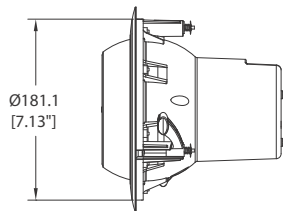
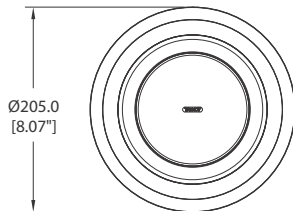
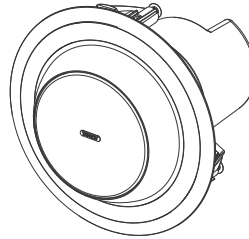
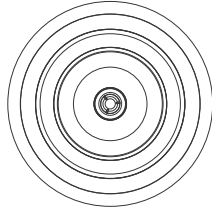
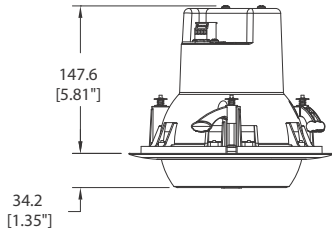
Tamanho do recorte do furo: 187 mm

Dimensione del ritaglio del foro: 187 mm

Gat uitgesneden grootte: 187 mm

Hålsskuren storlek: 187 mm

Rozmiar wycięcia w otworze: 187 mm



## CMS 403ICTe

Hole Cut-out Size: 187 mm

Tamaño de corte del orificio: 187 mm

Taille de la découpe du trou: 187 mm

Lochausschnitt Größe: 187 mm

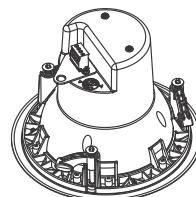
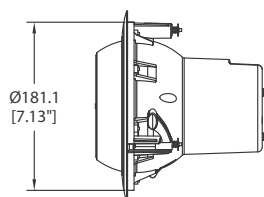
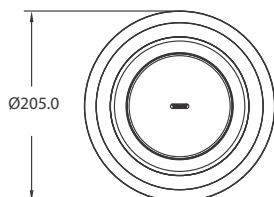
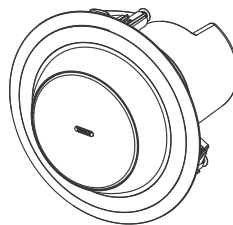
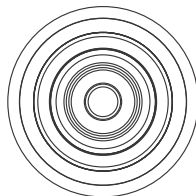
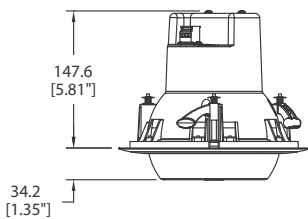
Tamanho do recorte do furo: 187 mm

Dimensione del ritaglio del foro: 187 mm

Gat uitgesneden grootte: 187 mm

Hålsskuren storlek: 187 mm

Rozmiar wycięcia w otworze: 187 mm



# Technical Specifications

## CMS 803DC Models

## CMS 803DCQ Model

Performance		
Frequency response (-3 dB) <sup>(1)</sup>	47 Hz - 30 kHz BM Backcan	47 Hz - 30 kHz
Frequency range (-10 dB) <sup>(1)</sup>	40 Hz - 35 kHz BM Backcan	
Frequency range (-10 dB) <sup>(1)</sup>	41 Hz - 35 kHz PI Backcan	
System sensitivity (1 W @ 1 m) <sup>(2)</sup>	92 dB (1 W = 4 V for 16 Ohms)	93 dB (1 W = 4 V for 16 Ohms)
Nominal Coverage Angle	90 degrees conical	60 degrees conical
Power Handling <sup>(3)</sup>		
Average	90 W	
Programme	180 W	
Peak	360 W	
Recommended Amplifier Power	180 W @ 16 Ohms	
Nominal Impedance (Lo, Z)	16 Ohms	
Rated maximum SPL		
Average	112 dB	113 dB
Peak	118 dB	119 dB
With THP60 - Average	110 dB	111 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. Refer to Note 4.	
100 V	60 W (165 Ω) / 30 W (330 Ω) / 15 W (660 Ω) / OFF & low impedance operation. Refer to Note 4.	
Transducers		
Dual Concentric point source driver	1 x 200 mm (8.0") Dual Concentric driver, using Omnimagnet technology	
Low Frequency	44 mm (1.75") voice coil, treated multi fiber paper pulp cone	
High Frequency	25 mm (1.00") PEI 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	
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		
Blind Mount (BM)	Complete with fixed backcan	—
Pre Install (PI)	Separate backcan for pre-installation	—
Cable Entry Options		
Conduit Knockouts on PI Backcan	Cable clamp & squeeze connector for conduit up to 22 mm	
Connectors	3 Sets of horizontal positions 19 / 22 / 28 mm (0.75" / 0.87" / 1.10")	
Connectors	Removable locking connector with screw terminals with "loop through" facility	
Compliance	UL-1480, UL-2043, CE	

## Physical

## Dimensions

Bezel diameter	319.0 mm (12.56")	
Front of ceiling to rear of backcan	—	310.5 mm (12.22")
Front of ceiling to top of safety loop	—	327.7 mm (12.90")
BM Model: Front of ceiling to rear of backcan	310.5 mm (12.22")	—
BM Model: Front of ceiling to top of safety loop	327.7 mm (12.90")	—
PI Model: Front of ceiling surface to rear of speaker unit	125.6 mm (4.94")	—
PI Model: Front of accessory backcan bezel to top of safety loop	168.5 mm (6.63")	—
Hole cutout diameter (all models)	295 mm (11.61")	
Net Weight (ea)	—	8.5 kg (18.74 lbs)
CMS 803DC BM	8.5 kg (18.74 lbs)	—
CMS 803DC PI	5.0 kg (11.02 lbs)	—
PI Backcan	4.2 kg (9.25 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
4. The 70/100 V transformer for the CMS 803DC PI is mounted in the optional PI Backcan.

A full range of measurements, performance data, CLF and Ease Data for CMS 803DC/CMS 803DCQ can be downloaded from [www.tannoypro.com](http://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.

**CMS 603DC Models**
**CMS 603ICT Models**

<b>Performance</b>		
Frequency response (-3 dB) <sup>(1)</sup> BM Backcan	75 Hz - 30 kHz	78 Hz - 22 kHz
Frequency range (-10 dB) <sup>(1)</sup> BM Backcan	50 Hz - 30 kHz	51 Hz - 24 kHz
Frequency range (-10 dB) <sup>(1)</sup> PI Backcan	46 Hz - 30 kHz	46 Hz - 24 kHz
System sensitivity (1 W @ 1 m) <sup>(2)</sup>	91 dB (1 W = 4 V for 16 Ohms)	
Nominal Coverage Angle	90 degrees conical	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
<b>Power Handling <sup>(3)</sup></b>		
Average	80 W	60 W
Programme	160 W	120 W
Peak	320 W	240 W
Recommended Amplifier Power	160 W @ 16 Ohms	120 W @ 16 Ohms
Nominal Impedance (Lo, Z)	16 Ohms	
<b>Rated maximum SPL</b>		
Average	110 dB	109 dB
Peak	116 dB	115 dB
<b>Transformer Taps (via front rotary switch)</b>		
70 V	60 W (83 Ω) / 30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / OFF & low impedance operation. Refer to Note 4.	
100 V	60 W (165 Ω) / 30 W (330 Ω) / 15 W (660 Ω) / OFF & low impedance operation. Refer to Note 4.	
Crossover	—	7 kHz inductively coupled
<b>Transducers</b>		
Dual Concentric point source driver	1 x 165 mm (6.5") Dual Concentric driver, using Omnimagnet technology	—
Low Frequency	44 mm (1.75") voice coil, treated multi fiber paper pulp cone	165 mm (6.50") mineral loaded polypropylene
High Frequency	25 mm (1.00") PEI dome	ICT aluminium dome
<b>Physical</b>		
<b>Enclosure</b>		
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	
<b>Backcan Options</b>		
Blind Mount (BM)	Complete with fixed backcan	
Pre Install (PI)	Separate backcan for pre-installation	
Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22 mm	
Conduit Knockouts on PI Backcan	3 Sets of horizontal positions 19 / 22 / 28 mm (0.75" / 0.87" / 1.10")	
Connectors	Removable locking connector with screw terminals with "loop through" facility	
Compliance	UL-1480, UL-2043, CE	

## Physical

## Dimensions

Bezel diameter	274.0 mm (10.79")	
BM Model: Front of ceiling to rear of backcan	255.8 mm (10.07")	256.5 mm (10.10")
BM Model: Front of ceiling to top of safety loop	273.3 mm (10.76")	273.8 mm (10.78")
PI Model: Front of ceiling surface to rear of speaker unit	100.7 mm (3.96")	100.0 mm (3.94")
PI Model: Front of accessory backcan bezel to top of safety loop	168.5 mm (6.60")	
Hole cutout diameter (all models)	253 mm (9.96")	

## Net Weight (ea)

CMS 603DC BM	6.6 kg (14.6 lbs)	—
CMS 603DC PI	3.8 kg (8.37 lbs)	—
CMS 603ICT BM	—	5.4 kg (11.9 lbs)
CMS 603ICT PI	—	2.7 kg (5.95 lbs)
PI Backcan	3.7 kg (8.1 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
4. The 70/100 V transformer for the CMS 603 DC/ICT PI models is mounted in the optional PI Backcan.

A full range of measurements, performance data, CLF and Ease Data for CMS 603DC/CMS 603ICT can be downloaded from [www.tannoypro.com](http://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.

**CMS 503DC Models**

**CMS 503DC LP Model**

<b>Performance</b>		
Frequency response (-3 dB) <sup>(1)</sup>	85 Hz - 50 kHz BM Backcan	88 Hz - 22 kHz
Frequency range (-10 dB) <sup>(1)</sup>	74 Hz - 54 kHz BM Backcan	77 Hz - 24 kHz
Frequency range (-10 dB) <sup>(1)</sup>	70 Hz - 54 kHz PI Backcan	—
System sensitivity (1 W @ 1 m) <sup>(2)</sup>	89 dB (1 W = 4 V for 16 Ohms)	
Nominal Coverage Angle	90 degrees conical	
<b>Power Handling <sup>(3)</sup></b>		
Average	60 W	
Programme	120 W	
Peak	240 W	
Recommended Amplifier Power	120 W @ 16 Ohms	
Nominal Impedance (Lo, Z)	16 Ohms	
<b>Rated maximum SPL</b>		
Average	107 dB	
Peak	113 dB	
<b>Transformer Taps (via front rotary switch)</b>		
70 V	30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / 3.75 W (1320 Ω) / OFF & low impedance operation	
100 V	30 W (330 Ω) / 15 W (660 Ω) / 7.5 W (1320 Ω) / OFF & low impedance operation	
<b>Transducers</b>		
Dual Concentric point source driver	1 x 130 mm (5.0") Dual Concentric driver, using Omnimagnet technology	
Low Frequency	35 mm (1.38") voice coil, treated multi fiber paper pulp cone	
High Frequency	20 mm (0.79") PEI dome	
<b>Physical</b>		
<b>Enclosure</b>		
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	
Clamping Design	Security toggle clamp Min / Max clamping range 9.5 mm (0.37") / 60 mm (2.36") Recommended clamp torque: 1.5 Nm	
<b>Backcan Options</b>		
Blind Mount (BM)	Complete with fixed backcan	—
Pre Install (PI)	Separate backcan for pre-installation	—
<b>Cable Entry Options</b>		
	Cable clamp & squeeze connector for conduit up to 22 mm	
<b>Conduit Knockouts on PI Backcan</b>		
	3 Sets of horizontal positions 19 / 22 / 28 mm (0.75" / 0.87" / 1.10")	—
<b>Connectors</b>		
	Removable locking connector with screw terminals with "loop through" facility	
<b>Compliance</b>		
	UL-1480, UL-2043, CE	
<b>Dimensions</b>		
Bezel diameter	205.9 mm (8.11")	274.0 mm (10.79")
Front of ceiling to rear of backcan	—	98.6 mm (3.88")
BM Model: Front of ceiling to rear of backcan	188.0 mm (7.40")	—
BM Model: Front of ceiling to top of safety loop	205.3 mm (8.08")	—
PI Model: Front of ceiling surface to rear of speaker unit	133.3 mm (5.25")	—
PI Model: Front of accessory backcan bezel to top of safety loop	153.5 mm (6.04")	—
Hole cutout diameter (all models)	190 mm (7.48")	253.0 mm (9.96")
<b>Net Weight (ea)</b>		
	—	4.7 kg (10.36 lbs)
CMS 503DC BM	4.3 kg (9.47 lbs)	—
CMS 503DC PI	3.2 kg (7.05 lbs)	—
PI Backcan	1.9 kg (4.18 lbs)	—
<b>Included Accessories</b>		
	C-Ring, tile-bridge kit, paint mask, cut-out template, grille	
<b>Optional Accessories</b>		
	Plaster (mud) ring, Arco grille	
<b>Packed Quantity</b>		
	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 503DC/CMS 503DC LP can be downloaded from [www.tannoypro.com](http://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.

**CMS 503ICT Models**

**CMS 503ICT LP Model**

<b>Performance</b>		
Frequency response (-3 dB) <sup>(1)</sup>	85 Hz - 22 kHz BM Backcan	88 Hz - 50 kHz
Frequency range (-10 dB) <sup>(1)</sup>	74 Hz - 24 kHz BM Backcan	77 Hz - 54 kHz
Frequency range (-10 dB) <sup>(1)</sup>	71 Hz - 24 kHz PI Backcan	—
System sensitivity (1 W @ 1 m) <sup>(2)</sup>	89 dB (1 W = 4 V for 16 Ohms)	
Nominal Coverage Angle	90 degrees conical	
Coverage Angle (1 kHz to 6 kHz)	105 degrees	—
Directivity Factor (Q)	5.6 averaged 1 kHz to 6 kHz	—
Directivity Index (DI)	7.0 averaged 1 kHz to 6 kHz	—
<b>Power Handling <sup>(3)</sup></b>		
Average	50 W	
Programme	100 W	
Peak	200 W	
Recommended Amplifier Power	100 W @ 16 Ohms	
Nominal Impedance (Lo, Z)	16 Ohms	
<b>Rated maximum SPL</b>		
Average	106 dB	
Peak	112 dB	
<b>Transformer Taps (via front rotary switch)</b>		
70 V	30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / 3.75 W (1320 Ω) / OFF & low impedance operation	
100 V	30 W (330 Ω) / 15 W (660 Ω) / 7.5 W (1320 Ω) / OFF & low impedance operation	
Crossover	7 kHz inductively coupled	—
<b>Transducers</b>		
Low Frequency	130 mm (5.00") mineral loaded polypropylene	1 x 130 mm (5.0") mineral loaded polypropylene
High Frequency	ICT aluminium dome	ICT
<b>Physical</b>		
<b>Enclosure</b>		
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	
Clamping Design	Security toggle clamp Min / Max clamping range 9.5 mm (0.37") / 60 mm (2.36") Recommended clamp torque: 1.5 Nm	
<b>Backcan Options</b>		
Blind Mount (BM)	Complete with fixed backcan	—
Pre Install (PI)	Separate backcan for pre-installation	—
<b>Cable Entry Options</b>		
Cable Entry Options	Cable clamp & squeeze connector for conduit up to 22 mm	
Conduit Knockouts on PI Backcan	3 Sets of horizontal positions 19 / 22 / 28 mm (0.75" / 0.87" / 1.10")	—
Connectors	Removable locking connector with screw terminals with "loop through" facility	
Compliance	UL-1480, UL-2043, CE	
<b>Dimensions</b>		
Bezel diameter	205.9 mm (8.11")	274.0 mm (10.79")
Front of ceiling to rear of backcan	98.6 mm (3.88")	
BM Model: Front of ceiling to rear of backcan	188.5 mm (7.42")	98.6 mm (3.88")
BM Model: Front of ceiling to top of safety loop	205.8 mm (8.10")	—
PI Model: Front of ceiling surface to rear of speaker unit	131.7 mm (5.19")	—
PI Model: Front of accessory backcan bezel to top of safety loop	153.5 mm (6.04")	—
Hole cutout diameter (all models)	190 mm (7.48")	253.0 mm (9.96")
<b>Net Weight (ea)</b>		
CMS 503ICT BM	3.95 kg (8.70 lbs)	—
CMS 503ICT PI	2.95 kg (6.50 lbs)	—
PI Backcan	1.9 kg (4.18 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 503ICT/CMS 503ICT LP can be downloaded from [www.tannoypro.com](http://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.



**CMS 403DCe Model**

**CMS 403ICTe Model**

<b>Performance</b>		
Frequency response (-3 dB) <sup>(1)</sup>	110 Hz - 50 kHz BM Backcan	110 Hz - 22 kHz
Frequency range (-10 dB) <sup>(1)</sup>	80 Hz - 54 kHz BM Backcan	80 Hz - 24 kHz
System sensitivity (1 W @ 1 m) <sup>(2)</sup>	88 dB (1 W = 4 V for 16 Ohms)	
Nominal Coverage Angle	90 degrees conical	
Coverage Angle (1 kHz to 6 kHz)	—	120 degrees
Directivity Factor (Q)	—	5.26 averaged 1 kHz to 6 kHz
Directivity Index (DI)	—	6.30 averaged 1 kHz to 6 kHz
<b>Power Handling <sup>(3)</sup></b>		
Average	40 W	
Peak	160 W	
Recommended Amplifier Power	80 W @ 16 Ohms	
Nominal Impedance (Lo, Z)	16 Ohms	
<b>Rated maximum SPL</b>		
Average	104 dB	
Peak	110 dB	
<b>Transformer Taps (via front rotary switch)</b>		
70 V	30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / 3.75 W (1320 Ω) / OFF & low impedance operation	
100 V	30 W (330 Ω) / 15 W (660 Ω) / 7.5 W (1320 Ω) / OFF & low impedance operation	
Crossover	—	7 kHz inductively coupled
<b>Transducers</b>		
Dual Concentric point source driver	1 x 100 mm (4.0") Dual Concentric driver, using Omnimagnet technology	100 mm (4.00") mineral loaded polypropylene
Low Frequency	35 mm (1.38") voice coil, treated multi fiber paper pulp cone	19 mm (0.75") ICT aluminium dome
High Frequency	20 mm (0.79") PEI dome	—
<b>Physical</b>		
<b>Enclosure</b>		
Backcan	Reflex loaded UL 94V-0 rated ABS	
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	Min / Max clamping range: 0.0 mm (0.0") / 20.0 mm (0.79") Recommended clamp torque: 1.5 Nm	
<b>Backcan</b>		
Blind Mount (BM)	Complete with fixed backcan	—
Connectors	Removable locking connector with screw terminals with "loop through" facility	
Compliance	UL-1480, UL-2043, CE	
<b>Dimensions</b>		
Bezel diameter	205.0 mm (8.07")	
Front of ceiling to rear of pod	147.6 mm (5.81")	
Hole cutout diameter	187 mm (7.36")	
Net Weight (ea)	3.2 kg (7.05 lbs)	3.0 kg (6.61 lbs)
Included Accessories	C-Ring, tile-bridge kit, paint mask, cut-out template, grille	
Optional Accessories	Plaster (mud) ring	
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 403DCe/CMS 403ICTe can be downloaded from [www.tannopro.com](http://www.tannopro.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.

## EN Important information

- 1. Register online.** Please register your new Music Tribe equipment right after you purchase it by visiting [musictribe.com](https://musictribe.com). Registering your purchase using our simple online form helps us to process your repair claims more quickly and efficiently. Also, read the terms and conditions of our warranty, if applicable.
- 2. Malfunction.** Should your Music Tribe Authorized Reseller not be located in your vicinity, you may contact the Music Tribe Authorized Fulfiller for your country listed under "Support" at [musictribe.com](https://musictribe.com). Should your country not be listed, please check if your problem can be dealt with by our "Online Support" which may also be found under "Support" at [musictribe.com](https://musictribe.com). Alternatively, please submit an online warranty claim at [musictribe.com](https://musictribe.com) BEFORE returning the product.
- 3. Power Connections.** Before plugging the unit into a power socket, please make sure you are using the correct mains voltage for your particular model. Faulty fuses must be replaced with fuses of the same type and rating without exception.



Hereby, Music Tribe declares that this product is in compliance with Directive 2011/65/EU and Amendment 2015/863/EU, Directive 2012/19/EU, Regulation 519/2012 REACH SVHC and Directive 1907/2006/EC, and this passive product is not applicable to EMC Directive 2014/30/EU, LV Directive 2014/35/EU.

Full text of EU DoC is available at <https://community.musictribe.com/>

EU Representative: Music Tribe Brands DK A/S  
Address: Gammel Strand 44, DK-1202 København K, Denmark

UK Representative: Music Tribe Brands UK Ltd.  
Address: 6 Lloyds Avenue, Unit 4CL London EC3N 3AX, United Kingdom

