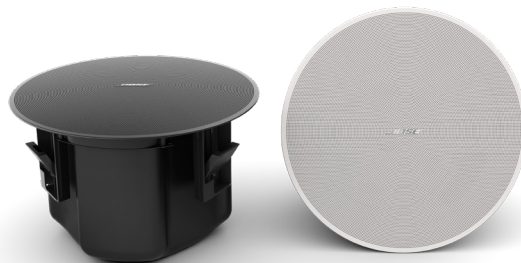


DesignMax DM6C

in-ceiling loudspeaker

Product Overview

DesignMax loudspeakers bring outstanding audio and aesthetics to any commercial space. The 100-watt DesignMax DM6C loudspeaker features a two-way 6.5-inch woofer and 1.25-inch tweeter coaxially mounted within the Dispersion Alignment system, producing a frequency range of 55 Hz - 20 kHz. The DM6C is ceiling-mounted and installs easily via QuickHold mounting arms. And with both black and white versions available, the DM6C is easy to integrate with any décor.



Key Features

Deliver instantly impressive sound with custom Bose drivers — no DSP or EQ required. For even better sound, use select Bose DSPs and amplifiers to enable Bose loudspeaker EQ and SmartBass processing, which expands performance and response at any listening level

Ensure a consistent listening experience throughout the room with the Dispersion Alignment system, which matches the coverage of the woofer to the pattern of the tweeter

Blend into any room design with elegant form factors, minimum-bezel grilles available in black or white, and removable logos

Reduce installation time with the patented QuickHold mounting system, which also reduces strain, hassle, and the chance of product damage

Install easily — Includes Euroblock connector; plenum-rated backcan, tile-bridges, and front-access audio wiring that makes installation and troubleshooting easier

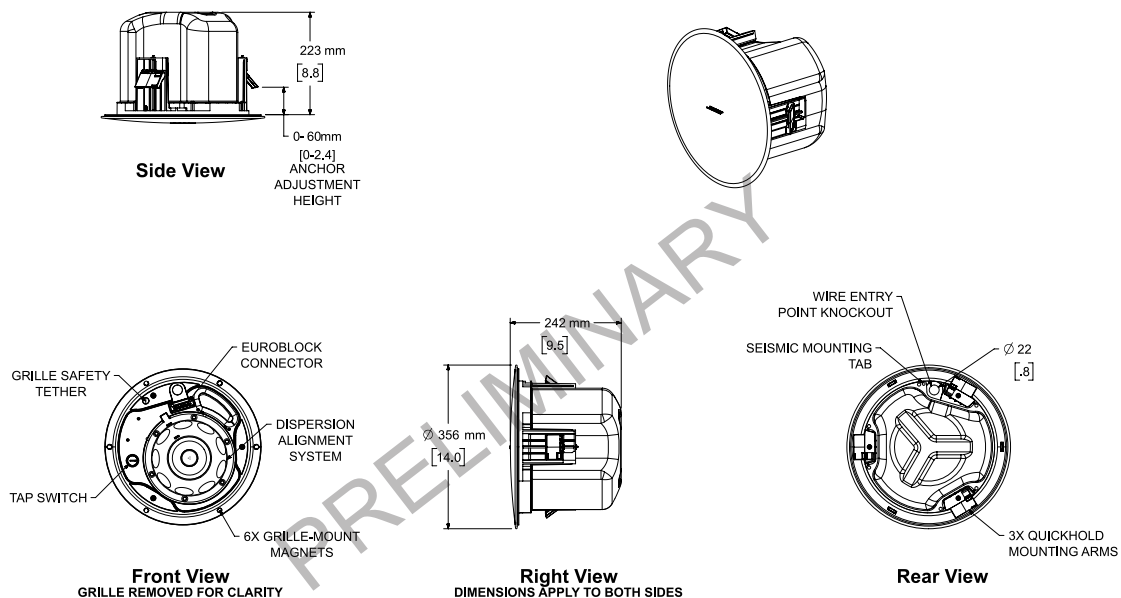
Technical Specifications

SINGLE LOUDSPEAKER PERFORMANCE		
Frequency Response (-3 dB) ⁽¹⁾	65 - 17,000 Hz	
Frequency Range (-10 dB) ⁽¹⁾	55 - 20,000 Hz	
Nominal Coverage Angle ⁽²⁾	130° conical	
	Bose extended-lifecycle test ⁽⁵⁾	AES component test ⁽⁶⁾
Power Handling, long-term continuous	100 W	125 W
Power Handling, peak	400 W	500 W
Sensitivity (SPL/ 1W @ 1 m) ⁽³⁾	91 dB	91 dB
Calculated Maximum SPL @ 1 m ⁽⁴⁾	111 dB	112 dB
Calculated Maximum SPL @ 1 m, peak	117 dB	118 dB
Crossover	1.5 kHz (passive 2-way crossover)	
Loudspeaker EQ	Not Required, Bose voicings and SmartBass processing available	
Recommended High-Pass protection	55 Hz with minimum 12 dB / octave filter	
Transformer taps	70V: 2.5, 5, 10, 20, 40, 80 W, bypass 100V: 5, 10, 20, 40, 80 W, bypass	
TRANSDUCERS		
Low Frequency	1 x 6.5-inch woofer (165 mm), weather treated	
High Frequency	1 x 1.25-inch (32 mm) neodymium dome tweeter, coaxially-mounted, weather-treated	
Technology	Dispersion Alignment System, 197 mm (7.75") system diameter	
Nominal Impedance	8 ohms (transformer bypass)	

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PHYSICAL	
Enclosure Material	Engineered-plastics front baffle with integrated steel formed back can
Grille	Magnetically attached perforated steel, powder-coated finish, paintable, with safety-tether
Logo	Rotatable, removable
Color	Black: RAL 9005, White: Bose Artic White, similar to RAL 9003, Paintable
Environmental / Ingress-Protection	Indoor only
Safety Agency	UL-1480A, S5591/ UL Listed, in compliance with UL2043 for plenum-space installation, NFPA70 & NFPA90-A, in accordance with IEC60268-5, ROHS, CE compliant
Operating Temperature Range	0 to 50 °C (32 °F to 122 °F)
Connectors	Euroblock 6-pin connector with loop-through, front-baffle mounted. Accepts 18 AWG (0.8 mm ²) to 14 AWG (2.5 mm ²) size wire.
Wire/Conduit Entry	Single top wire entry point for 3/8" conduit
Suspension / Mounting	Three (3) QuickHold, spring-loaded mounting arms plus three (3) safety cable tabs
Maximum Ceiling Thickness	TBD
Backcan Dimensions (Diameter x Depth)	287 x 223 mm (11.3" x 8.8")
Product Dimensions (Grille Diameter x Depth)	356.6 x 233 mm (14" x 9.2")
Ceiling Cutout	223 mm (8.8")
Net Weight	TBD
Shipping Weight	TBD
Included Accessories	Adjustable Tile-Bridge, Template
Optional Accessories	Rough-in 6-pack
PRODUCT CODES	
829679-0110	DM6C DesignMax DESIGNMAX,DM6C,PAIR,BLK
829679-0210	DM6C DesignMax DESIGNMAX,DM6C,PAIR,WHT



NOTES:
 1. DIMENSIONS ARE IN MILLIMETERS OVER INCHES
 2. WEIGHT APPROX xx.xkg [xx.xlbs]

Footnotes

- (1) Frequency response and range measured on-axis in quarter-space (wall/ceiling boundary) environment with recommended EQ
- (2) 1 kHz to 4 kHz average
- (3) Sensitivity measured on-axis in quarter-space (wall/ceiling boundary) environment with recommended EQ
- (4) Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
- (5) Bose extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration.
- (6) AES standard 2-hour duration with IEC system noise

For additional specifications and application information, please visit PRO.BOSE.COM.
 Specifications subject to change without notice. 01/2019