

DesignMax DM2C-LP

in-ceiling loudspeaker

Product Overview

A complete loudspeaker assortment to enhance any space, DesignMax loudspeakers offer rich lows, and clear, intelligible highs — along with premium aesthetics that complement any commercial sound installation. The 20-watt DesignMax DM2C-LP loudspeaker makes it easy to bring great sound to tight spaces. Ideal for background music, the DM2C-LP loudspeaker features a 2.25-inch transducer and 85 Hz – 19 kHz frequency range. The in-ceiling DM2C-LP has a low-profile backcan and is installed easily via QuickHold mounting arms.



Key Features

Combine DesignMax models to complete any design, big or small — 12 loudspeakers to mix and match, from 2-inch, low-profile models to 8-inch, high-SPL compression-driver loudspeakers and outdoor-rated options.

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

Blend with 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 with industry-standard accessories — all models include Euroblock connectors; in-ceiling models include plenum-rated backcans, tile bridges, and front-access audio wiring that makes installation and troubleshooting easier.

Install in confined ceiling spaces with low-profile backcan measuring just 10 centimeters (3.9 inches) high.

Technical Specifications

SINGLE LOUDSPEAKER PERFORMANCE		
Frequency Response (-3 dB) ¹	95 – 18,000 Hz	
Frequency Range (-10 dB) ¹	85 – 19,000 Hz	
Nominal Coverage Angle (1 – 4 kHz)	150° conical	
Nominal Coverage (1 – 10 kHz)	140° conical	
	AES transducer test ⁴	Bose Professional extended-lifecycle test ⁵
Power Handling, Long-term Continuous	20 W	16 W
Power Handling, Peak	80 W	64 W
Sensitivity SPL / 1 W @ 1 m ²	84 dB	84 dB
Calculated Maximum SPL @ 1 m ³	97 dB	96 dB
Calculated Maximum SPL @ 1 m, Peak	103 dB	102 dB
Loudspeaker EQ	Not Required, Bose Professional EQ voicing and SmartBass processing available	
Recommended High-Pass Protection	85 Hz with recommended 24 dB / octave filter	
Transformer taps	70V: 1.2, 2.3, 4.5, 9 W, bypass	
	100V: 2.3, 4.5, 9 W, bypass	

TECHNICAL DATA

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TRANSDUCERS	
Full-Range Driver	1 × 2.25-inch woofer (57 mm)
Nominal Impedance	16 Ω (transformer bypass)
PHYSICAL	
Enclosure Material	Engineered plastics front baffle with integrated steel formed backcan
Grille	Magnetically attached perforated steel, powder-coated finish, paintable, with safety-tether
Logo	Rotatable, removable
Color	White grille (RAL 9003), black grille (RAL 9005), paintable
Environmental	Indoor only
Safety Agency	UL Listed, UL 1480A, in compliance with UL 2043 for plenum-space installation, NFPA 70 & NFPA 90A, CE-compliant
Operating Temperature Range	0 °C to 50 °C (52 °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	Top and side wire entry point knockouts allow for 9.5 mm (⅜ in) conduit
Suspension/Mounting	Two (2) QuickHold, spring-loaded mounting arms plus two (2) safety cable tabs
Maximum Ceiling Thickness	39 mm (1.5 in)
Ceiling Cutout Size	165 mm (6.5 in)
Product Dimensions (grille diameter × depth)	198 × 110 mm (7.8 × 4.3 in)
Backcan Dimensions (diameter × depth)	155 × 99 mm (6.1 × 3.9 in), low-profile backcan
Net Weight, Loudspeaker with grille (single)	1.6 kg (3.6 lb)
Net Weight, Tile-Bridge (single)	0.7 kg (1.6 lb)
Shipping Weight (pair)	5.9 kg (13.2 lb)
Included Accessories	Adjustable tile bridge, template
Optional Accessories	Black loudspeaker grille (2-pack), rough-in pan for new construction (6-pack)
PRODUCT CODES	
White (pair)	815011-0210 DESIGNMAX DM2C-LP PAIR WHT
Black loudspeaker grille (pair)	A01682-0100 ASSY,KIT,GRILLE,BLK,DM2C
Rough-in pan (6-pack)	815009-0010 DESIGNMAX DM2C ROUGH-IN KIT 6 PACK

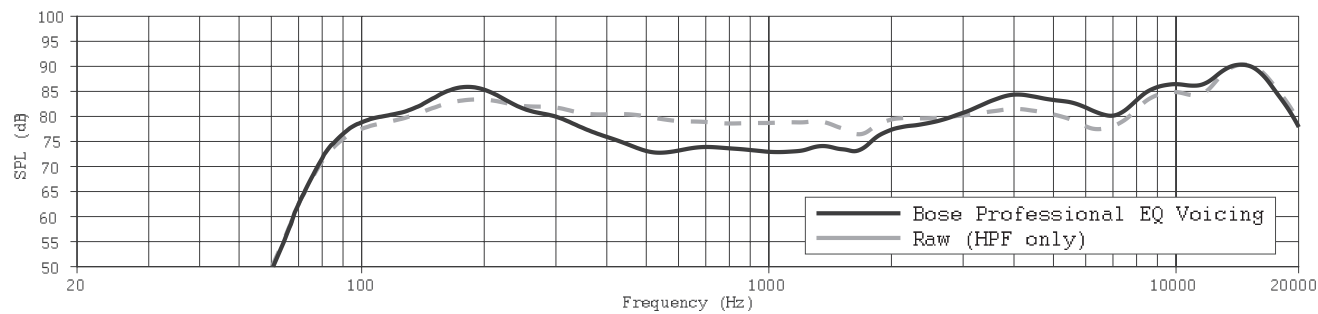
Footnotes

1. Frequency response and range measured on-axis in half-space environment with Bose Professional EQ voicing.
2. Sensitivity measured on-axis in half-space environment averaged 100 Hz – 10 kHz using recommended high-pass protection.
3. Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
4. AES standard 2-hour duration with IEC system noise.
5. Bose Professional extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration.

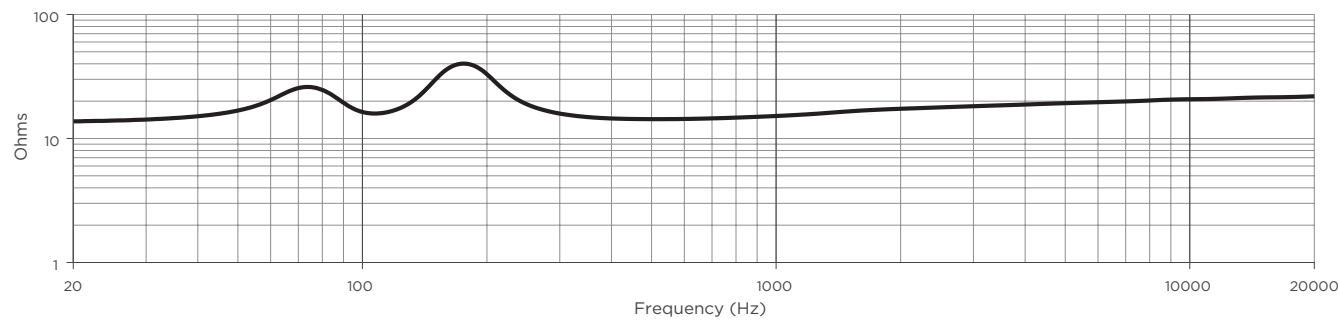
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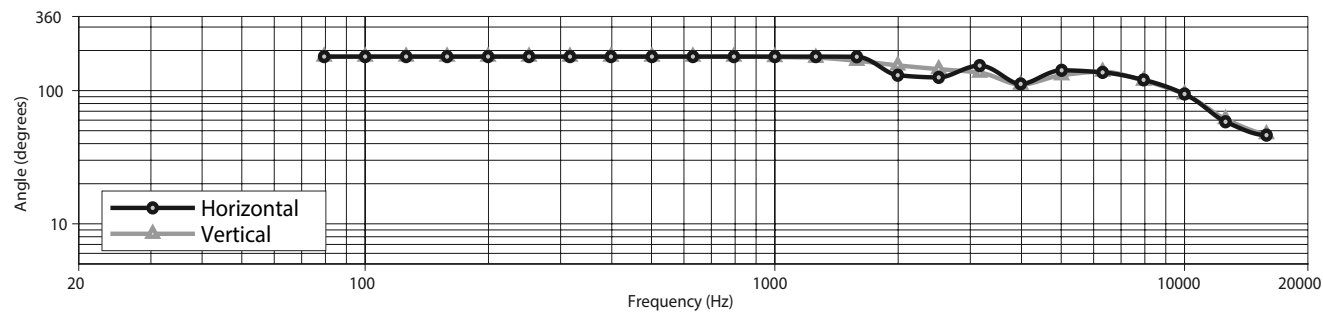
On-axis Response



Impedance



Beamwidth⁶



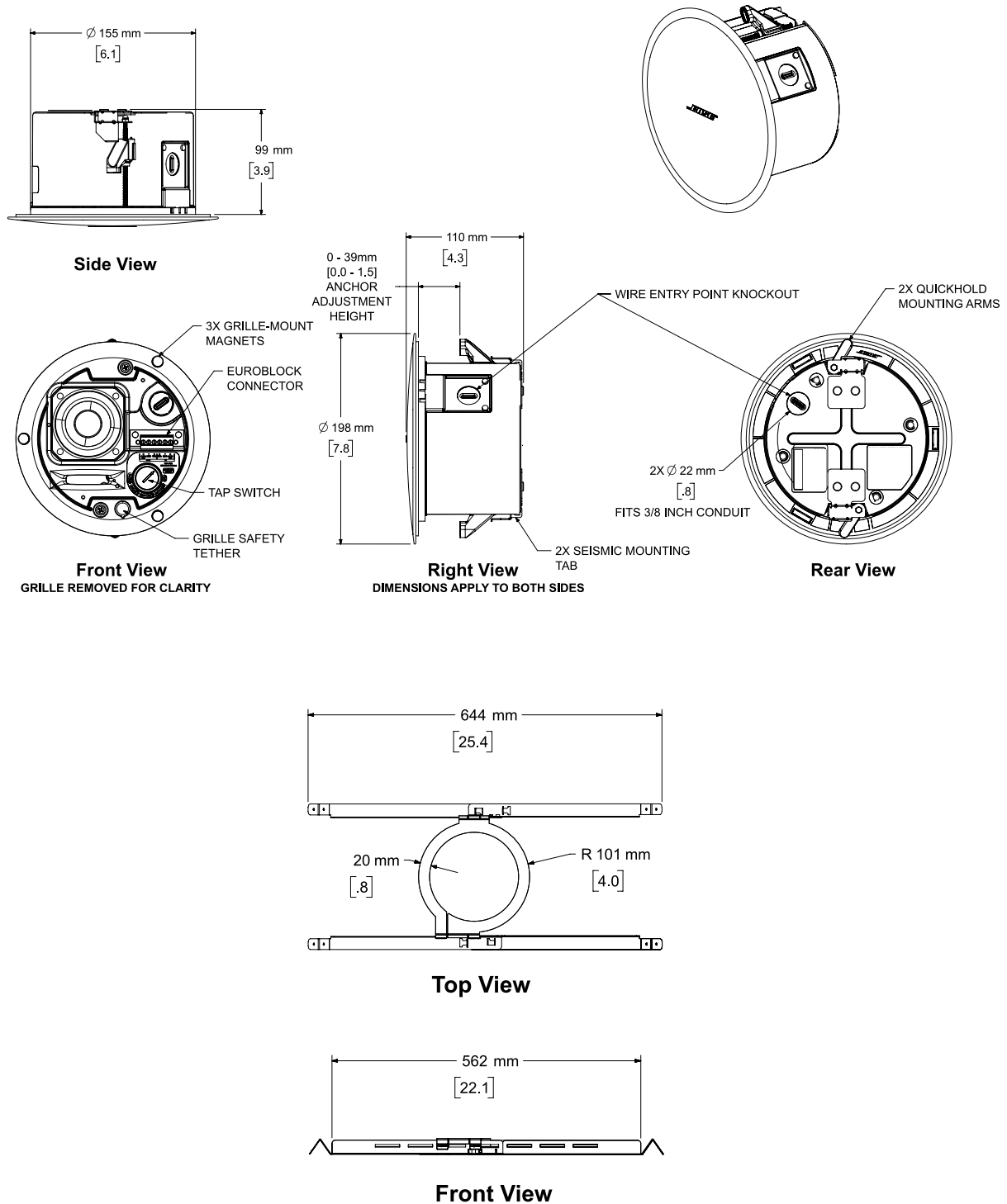
6. Measured in whole-space environment.

TECHNICAL DATA

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Dimensions⁷



7. Dimensions are shown in millimeters over inches.

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For additional specifications and application information, please visit BoseProfessional.com. Specifications subject to change without notice. 04/2026