

DesignMax DM5SE

surface-mount loudspeaker

Product Overview

With coaxial two-way drivers, the 60-watt DesignMax DM5SE loudspeaker offers rich lows and clear, intelligible highs — along with premium aesthetics that complement any commercial sound installation. The DM5SE features a two-way 5.25-inch woofer and 1-inch coaxial tweeter mounted within the Dispersion Alignment system, delivering a frequency range of 65 Hz – 20 kHz. The DM5SE is surface-mounted, IP55 outdoor-rated, and locks onto a hidden QuickHold U-bracket for fast, secure installation.



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 clear highs and surprising low-end for their size with coaxial two-way drivers — no DSP or EQ required. For even better sound, combine with select Bose Professional DSPs and amplifiers to enable Bose Professional 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 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 DM5SE outside — IP55 rating with standard aluminum grille for outdoor use

Technical Specifications

SINGLE LOUDSPEAKER PERFORMANCE		
Frequency Response (-3 dB) ¹	73 – 17,000 Hz	
Frequency Range (-10 dB) ¹	65 – 20,000 Hz	
Nominal Coverage Angle (1 – 4 kHz)	135° conical	
Nominal Coverage (1 – 10 kHz)	130° conical	
	AES transducer test ⁴	Bose Professional extended-lifecycle test ⁵
Power Handling, Long-term Continuous	60 W	50 W
Power Handling, Peak	240 W	200 W
Sensitivity SPL / 1 W @ 1 m ²	89 dB	89 dB
Calculated Maximum SPL @ 1 m ³	107 dB	106 dB
Calculated Maximum SPL @ 1 m, Peak	113 dB	112 dB
Crossover	1.8 kHz (passive 2-way crossover)	
Loudspeaker EQ	Not required. Bose Professional EQ voicing and SmartBass available.	
Recommended High-Pass Protection	65 Hz with minimum 24-dB/octave filter	
Transformer taps	70V: 3, 6, 12, 25, 50 W, bypass	
	100V: 6, 12, 25, 50 W, bypass	

For additional specifications and application information, please visit BoseProfessional.com. Specifications subject to change without notice. 10/2024

TECHNICAL DATA

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TRANSDUCERS	
Low Frequency	1 x 133 mm woofer (5.25-inch), weather treated
High Frequency	1 x 25 mm (1-inch) neodymium dome tweeter, coaxially mounted, weather-treated
Technology	Dispersion Alignment System, 165 mm (6.5 in) system diameter
Nominal Impedance	8 Ω (transformer bypass)
PHYSICAL	
Enclosure Material	Engineered plastics, highly UV fade-resistant
Bracket Material	Powder-coated steel
Grille	Perforated aluminum with powder-coat finish, tamper-resistant design, paintable
Logo	Rotatable, removable
Color	Black (RAL 9005), white (RAL 9003), paintable
Environmental/Ingress Protection	Outdoor per IEC 529 IP55 (suitable for use outdoors in wet locations), includes aluminum grille to prevent red corrosion and weather resistant input cover
Safety Agency	UL Listed, UL 1480A, NFPA 70, CE-compliant
Operating Temperature Range	-25 °C to 70 °C (-13 °F to 158 °F)
Connectors	Euroblock 6-pin connector with loop-through, mounted on rear. Accepts 18 AWG (0.8 mm ²) to 14 AWG (2.5 mm ²) size wire.
Suspension/Mounting	QuickHold mounting system with included U-bracket and two (2) screw inserts for use with optional pan & tilt bracket 4 preset mounting angles: 0°, 15°, 30°, 45° for wall or ceiling placement Insert for safety-tether attachment
Dimensions (H x W x D)	286 x 192 x 197 mm (11.2 x 7.5 x 7.7 in)
Dimensions with Bracket (H x W x D)	286 x 192 x 215 mm (11.2 x 7.5 x 8.4 in)
Net Weight, Loudspeaker with Grille (Single)	4.4 kg (9.7 lb)
Shipping Weight (Pair)	11.4 kg (25.2 lb)
Included Accessories	U-bracket, powder-coated steel
Optional Accessories	Surface-mount pan-and-tilt bracket, CMB S2 ceiling mount bracket
PRODUCT CODES	
Black	829705-0110 DESIGNMAX DM5SE PAIR BLK
Black (new)	829705-0120 DESIGNMAX DM5SE PAIR BLK
White	829705-0210 DESIGNMAX DM5SE PAIR WHT
White (new)	829705-0220 DESIGNMAX DM5SE PAIR WHT

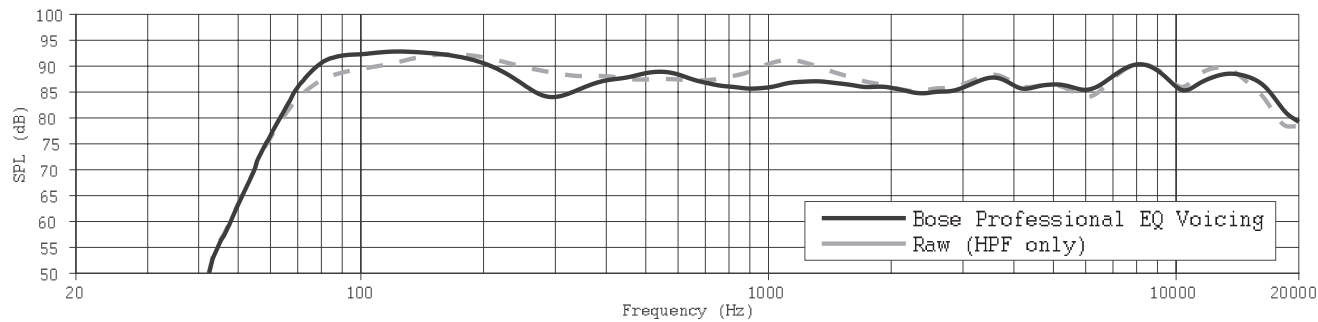
Footnotes

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.

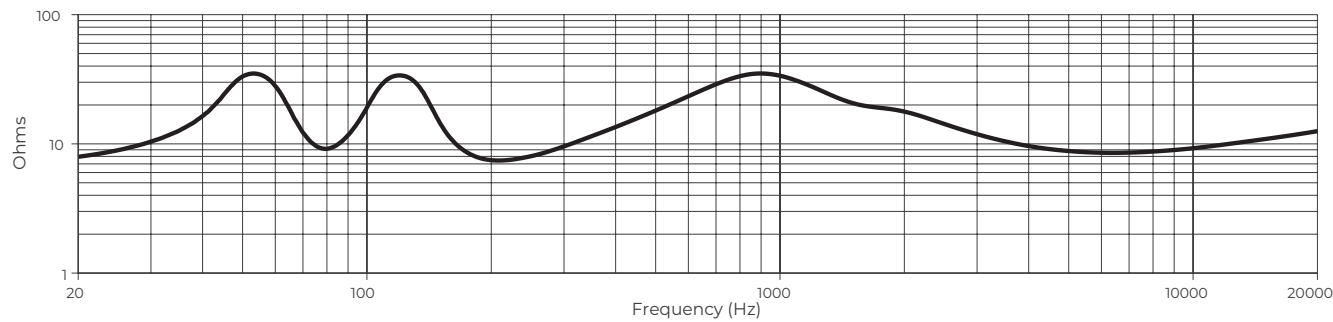
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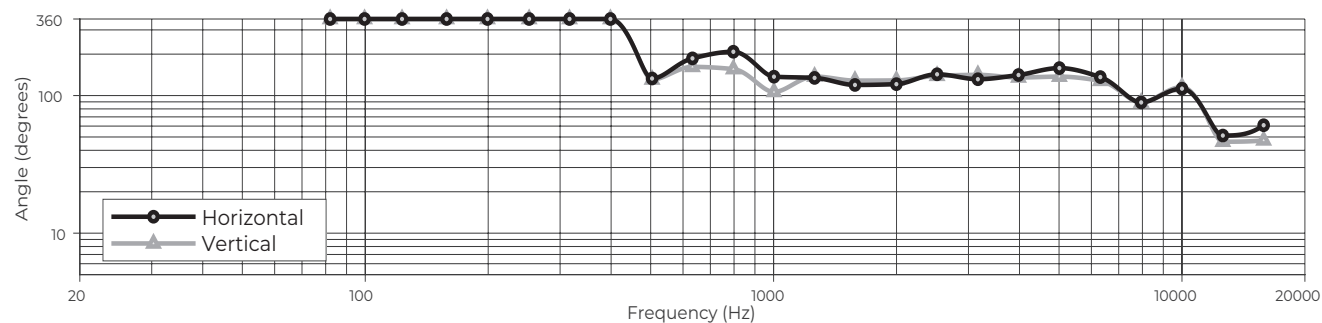
On-axis Response



Impedance



Beamwidth⁶



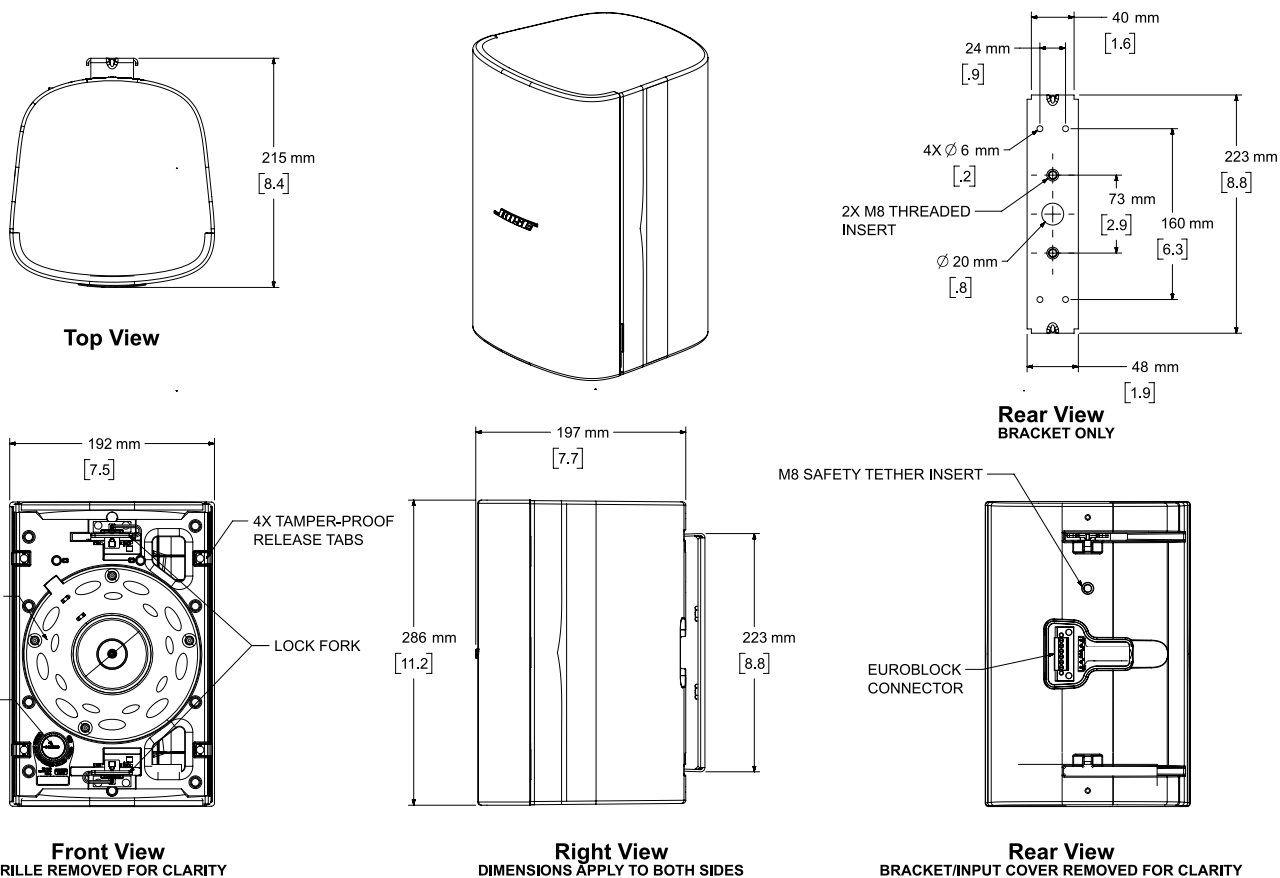
6. Measured in whole-space environment.

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Dimensions⁷



7. Dimensions are shown in millimeters over inches.

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