

# DesignMax DM5P

## pendant loudspeaker

### Product Overview

With a coaxial two-way design, the 60-watt DesignMax DM5P loudspeaker offers rich lows and clear, intelligible highs — along with premium aesthetics that complement any commercial sound installation. The DM5P pendant loudspeaker features a coaxial 5.25-inch woofer and 1-inch tweeter mounted within the Dispersion Alignment system, delivering a frequency range of 65 Hz - 20 kHz. The DM5P features a recessed single-point suspension system for a sleek, attractive appearance. All models are available in black or white.



### Key Features

**Complete any commercial sound installation** with 16

DesignMax loudspeakers to mix and match, including in-ceiling, surface-mount, and pendant form factors, subwoofers, high-SPL compression-driver models, compact low-profile models, and outdoor-rated options

**Choose from three DM5 models** — the in-ceiling DM5C, the surface-mounted, outdoor-rated DM5SE, and the sleek DM5P pendant loudspeaker

**Deliver rich lows and clear, intelligible highs with a coaxial two-way design** — 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 with any room design** with elegant form factors, minimum-bezel grilles available in black or white, and removable logos

**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

**Provide an open, attractive aesthetic** with pendant loudspeakers featuring a recessed single-point suspension system that keeps hardware out of sight and can be used to hold and hide a service loop for easy access

### Technical Specifications

| SINGLE-LOUDSPEAKER PERFORMANCE             |   |   |
|--|---|---|
| Frequency Response (-3 dB) <sup>1</sup>    | 80 - 20,000 Hz  |   |
| Frequency Range (-10 dB) <sup>1</sup>      | 65 - 20,000 Hz  |   |
| Nominal Coverage Angle (1 - 4 kHz)         | 120° conical  |   |
| Nominal Coverage Angle (1 - 10 kHz)        | 120° conical  |   |
|  | AES transducer test <sup>4</sup>                                  | Bose extended-lifecycle test <sup>5</sup> |
| Power Handling, long-term continuous       | 60 W  | 50 W                                      |
| Power Handling, peak                       | 240 W   | 200 W                                     |
| Sensitivity (SPL / 1 W @ 1 m) <sup>2</sup> | 87 dB   | 87 dB                                     |
| Calculated Maximum SPL @ 1 m <sup>3</sup>  | 105 dB  | 104 dB                                    |
| Calculated Maximum SPL @ 1 m, peak         | 111 dB  | 110 dB                                    |
| Crossover                                  | 1.8 kHz (passive two-way crossover)                               |   |
| Loudspeaker EQ                             | Not required, Bose EQ voicing, and SmartBass processing 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 [PRO.BOSE.COM](http://PRO.BOSE.COM). Specifications subject to change without notice. December 2020.

## TECHNICAL DATA

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| TRANSDUCERS                                     |   |
|---|---|
| Low Frequency                                   | 1 × 5.25-inch woofer (133 mm)   |
| High Frequency                                  | 1 × 1-inch (25 mm) neodymium dome tweeter, coaxially mounted  |
| Technology                                      | Dispersion Alignment system, 165 mm (6.5 in) system diameter  |
| Nominal Impedance                               | 8 Ω (transformer bypass)  |
| PHYSICAL  |   |
| Enclosure Material                              | Engineered plastics   |
| Grille  | Perforated steel, powder-coated finish  |
| Logo  | Rotatable, removable  |
| Color   | Black: Bose Black, similar to RAL 9005, paintable   |
|   | White: Bose Arctic White, similar to RAL 9003, paintable  |
| Paintable                                       | Choose a paint that is specifically designed for use with polypropylene (PP) plastics.  |
| Environmental                                   | Indoor only   |
| Safety Agency                                   | UL-1480A, S5591/UL Listed, NFPA70 & NFPA90-A, CE compliant, UL 2239 for suspension cable  |
| Operating Temperature Range                     | 0 °C to 50 °C (52 °F to 122 °F)   |
| Connectors                                      | Euroblock 6-pin connector with loop-through, mounted on top. Accepts 18 AWG (0.8 mm <sup>2</sup> ) to 14 AWG (2.5 mm <sup>2</sup> ) size wire.                            |
| Suspension / Mounting                           | Each DM5P has one (1) suspension attachment point and one (1) safety cable attachment point. Included is one (1) 4.5 meter (15 foot) Gripple adjustable suspension cable. |
| Product Dimensions (Enclosure Diameter × Depth) | 259 × 300 mm (10.2 × 11.8 in)   |
| Cable Dimensions                                | Length: 4.57 m (15.00 ft)   |
|   | Diameter: 2 mm (0.08 in)  |
| Net Weight, single                              | 4.1 kg (9.1 lb)   |
| Shipping Weight, pair                           | 11.00 kg (24.25 lb)   |
| Included Accessories                            | Each DM5P includes one (1) Gripple adjustable suspension cable system, four (4) cable ties  |
| Optional Accessories                            | Threaded Rod Adapter, Conduit Adapter, Gripple Pendant Suspension Cable Pair kit  |
| PRODUCT CODES                                   |   |
| 841166-0110                                     | DESIGNMAX DM5P PAIR BLACK   |
| 841166-0210                                     | DESIGNMAX DM5P PAIR WHITE   |
| 850571-0010                                     | DESIGNMAX PENDANT THREADED ROD ADAPTER, PAIR  |
| 854381-0010                                     | DESIGNMAX PENDANT CONDUIT ADAPTER, PAIR   |
| 852582-0010                                     | PENDANT SUSPENSION CABLE KIT, PAIR  |

### Footnotes

1. Frequency response and range measured on-axis in whole-space environment with recommended EQ
2. Sensitivity measured on-axis in whole-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 extended-lifecycle test using pink noise filtered to meet IEC268-5, 6-dB crest factor, 500-hour duration
6. Measured in whole-space environment

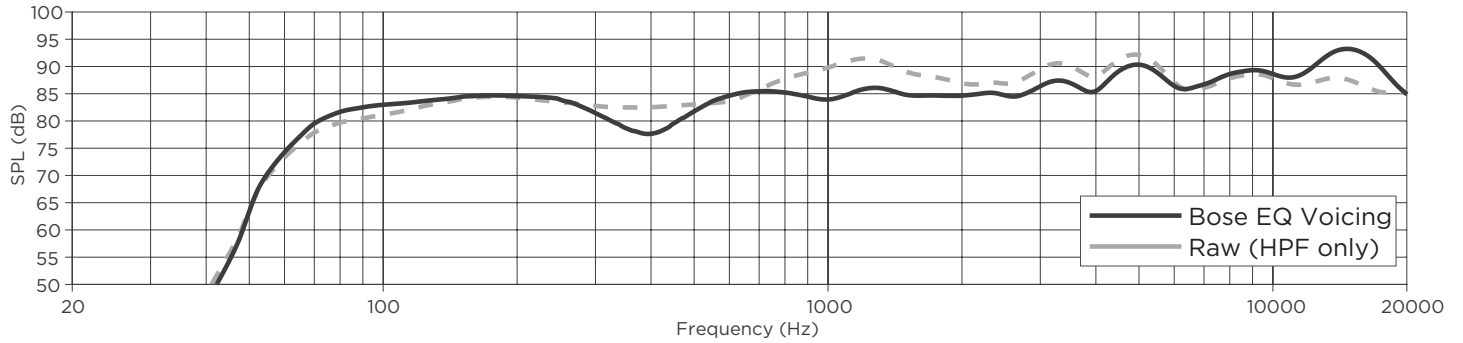
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TECHNICAL DATA

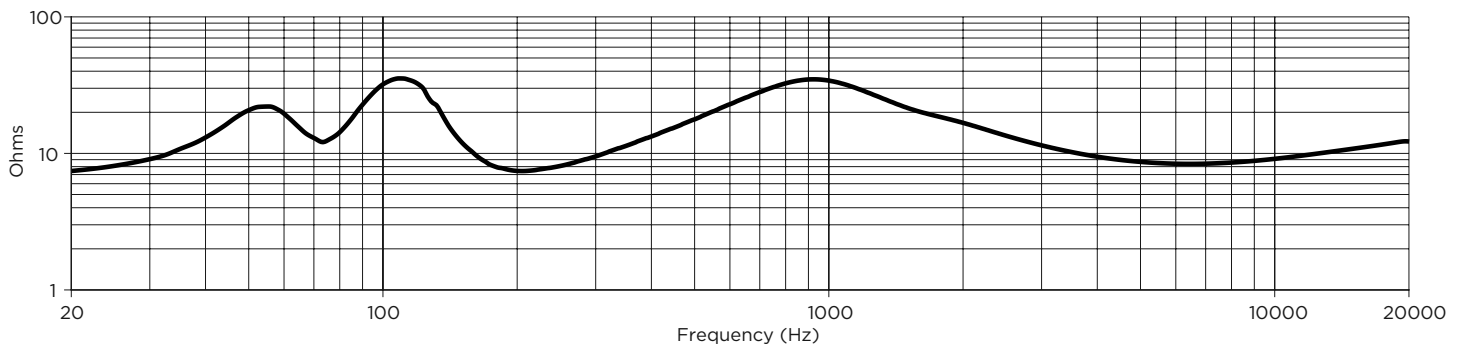
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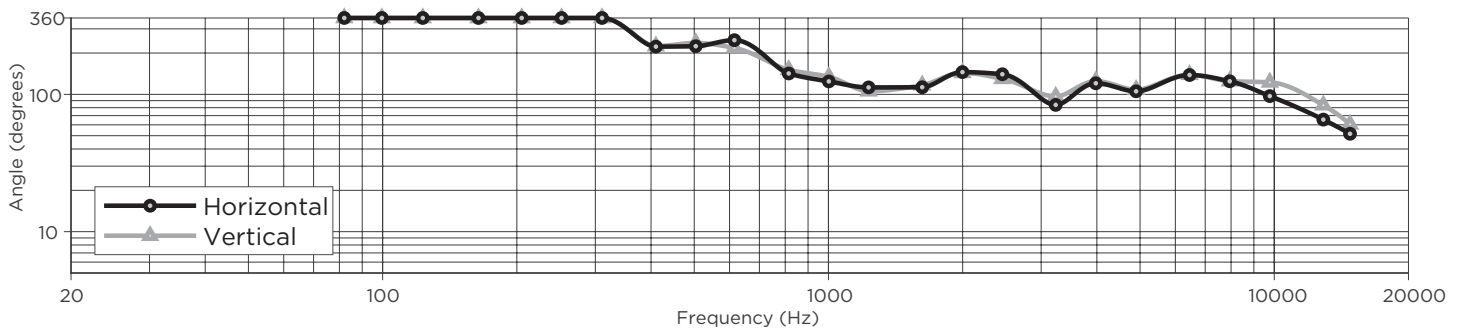
## On-Axis Frequency Response



## Impedance



## Beamwidth <sup>6</sup>

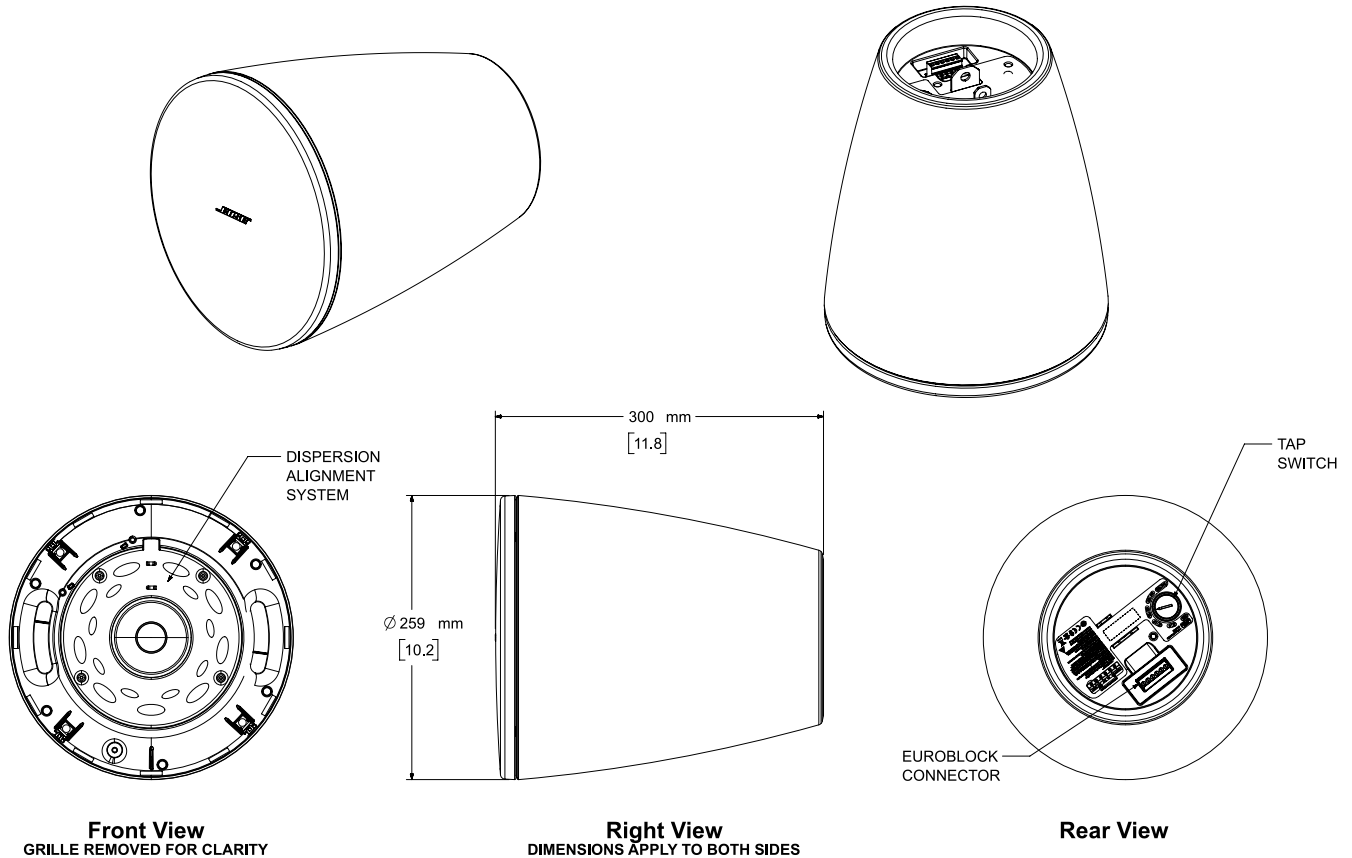


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## Dimensions



- NOTES:  
1. DIMENSIONS ARE IN MILLIMETERS OVER INCHES  
2. WEIGHT APPROX 4.1kg [9.1lbs]