

## TECHNICAL DATA

# DesignMax DM10P-SUB

## pendant subwoofer

**BOSE**

PROFESSIONAL

### Product Overview

Delivering rich low-end performance, the DesignMax subwoofers bring instantly impressive bass to any commercial sound installation. The 300-watt DM10P-SUB is a 10-inch pendant subwoofer with a 40 Hz - 125 Hz frequency range and 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 DesignMax subwoofer models** — the 180-watt in-ceiling DM8C-SUB, the 300-watt surface-mounted DM10S-SUB, and the sleek 300-watt DM10P-SUB pendant subwoofer

**Deliver rich bass performance** with custom Bose drivers; for optimal performance, use select Bose DSPs and amplifiers to enable Bose 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

**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>    | 46 - 108 Hz                                                       |                                           |
| Frequency Range (-10 dB) <sup>1</sup>      | 40 - 125 Hz                                                       |                                           |
| Nominal Coverage Angle                     | Omnidirectional below 200 Hz                                      |                                           |
|                                            | AES transducer test <sup>4</sup>                                  | Bose extended-lifecycle test <sup>5</sup> |
| Power Handling, long-term continuous       | 300 W                                                             | 250 W                                     |
| Power Handling, peak                       | 1200 W                                                            | 1000 W                                    |
| Sensitivity (SPL / 1 W @ 1 m) <sup>2</sup> | 85 dB                                                             | 85 dB                                     |
| Calculated Maximum SPL @ 1 m <sup>3</sup>  | 110 dB                                                            | 109 dB                                    |
| Calculated Maximum SPL @ 1 m, peak         | 116 dB                                                            | 115 dB                                    |
| Recommended Crossover                      | 80 - 200 Hz (requires active crossover in DSP)                    |                                           |
| Loudspeaker EQ                             | Not required, Bose EQ voicing, and SmartBass processing available |                                           |
| Recommended High-pass Protection           | 45 Hz with recommended 24 dB/octave filter                        |                                           |
| Transformer taps                           | 70V: 20, 40, 80, 150 W, bypass                                    |                                           |
|                                            | 100V: 40, 80, 150 W, bypass                                       |                                           |

For additional specifications and application information, please visit [PRO.BOSE.COM](https://pro.bose.com).  
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| TRANSDUCERS                                     |                                                                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Low Frequency                                   | 1 × 10-inch woofer (254 mm)                                                                                                                                                    |
| 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 DM10P-SUB has one (1) suspension attachment point and one (1) safety cable attachment point. Included is one (1) 4.5 meter (15 foot) Gripper adjustable suspension cable. |
| Product Dimensions (Enclosure Diameter × Depth) | 400 × 383 mm (15.7 × 15.1 in)                                                                                                                                                  |
| Cable Dimensions                                | Length: 4.57 m (15.00 ft)                                                                                                                                                      |
|                                                 | Diameter: 3.2 mm (0.125 in)                                                                                                                                                    |
| Net Weight                                      | 8.9 kg (19.7 lb)                                                                                                                                                               |
| Shipping Weight                                 | 12.65 kg (27.89 lb)                                                                                                                                                            |
| Included Accessories                            | Each DM10P-SUB includes one (1) Gripper adjustable suspension cable system, four (4) cable ties                                                                                |
| Optional Accessories                            | Threaded Rod Adapter, Conduit Adapter                                                                                                                                          |
| PRODUCT CODES                                   |                                                                                                                                                                                |
| 835265-0110                                     | DESIGNMAX DM10P-SUB SINGLE BLACK                                                                                                                                               |
| 835265-0210                                     | DESIGNMAX DM10P-SUB SINGLE WHITE                                                                                                                                               |
| 850571-0010                                     | DESIGNMAX PENDANT THREADED ROD ADAPTER, PAIR                                                                                                                                   |
| 854381-0010                                     | DESIGNMAX PENDANT CONDUIT ADAPTER, PAIR                                                                                                                                        |

### Footnotes

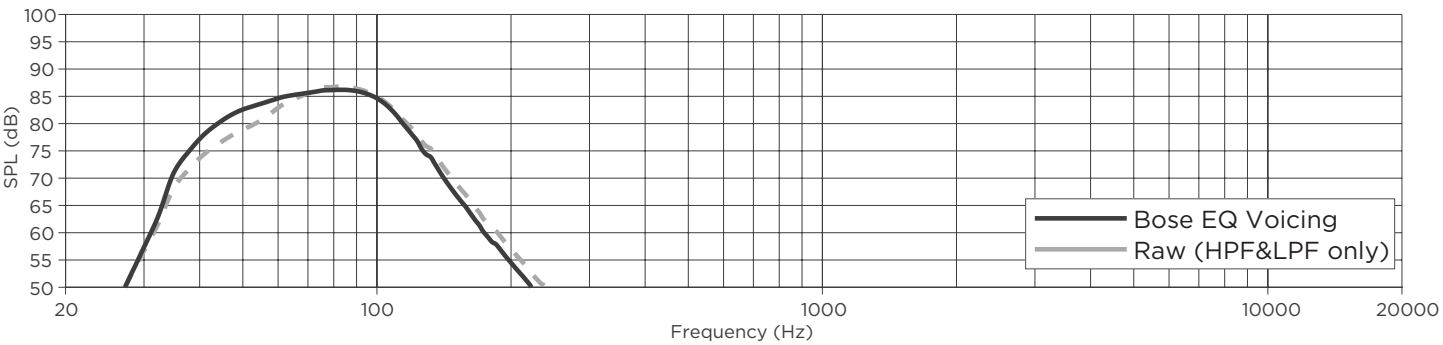
1. Frequency response and range measured on-axis in whole-space environment with recommended EQ
2. Sensitivity measured on-axis in whole-space environment averaged 100 Hz - 10 kHz using recommended high-pass protection
3. Maximum SPL calculated from sensitivity and power handling specifications, exclusive 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. Frequency response shown using 45 Hz HPF 24 dB/octave and 100 Hz LPF 24 dB/octave

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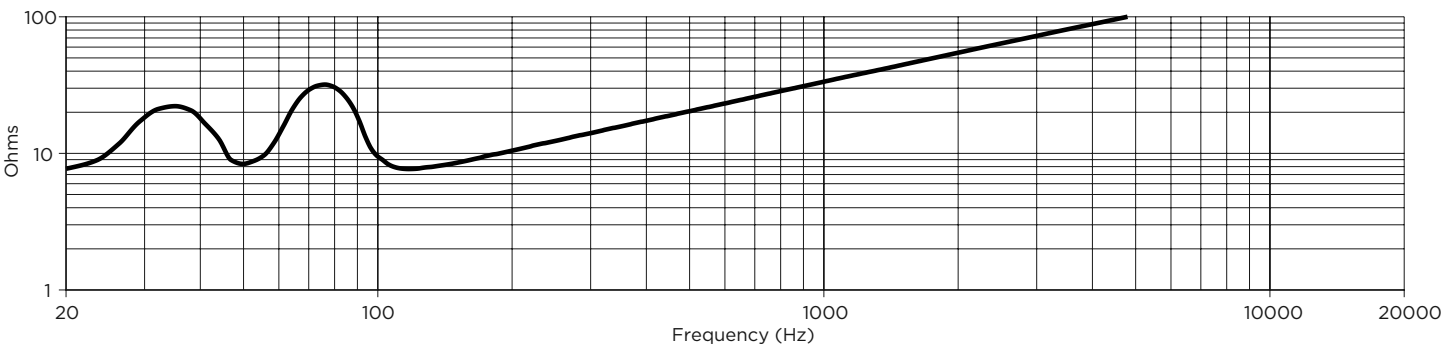
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**DesignMax DM10P-SUB**  
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**On-Axis Frequency Response <sup>6</sup>**



**Impedance**



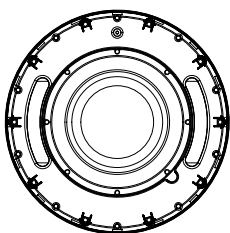
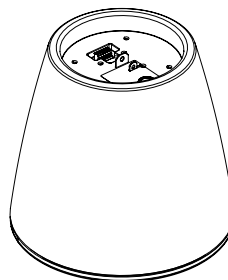
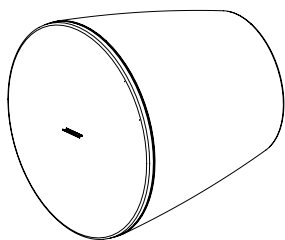
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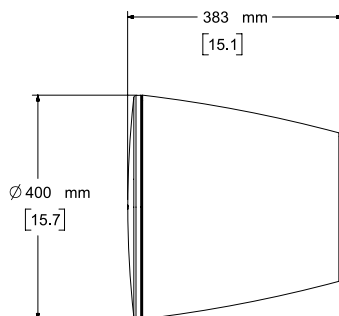
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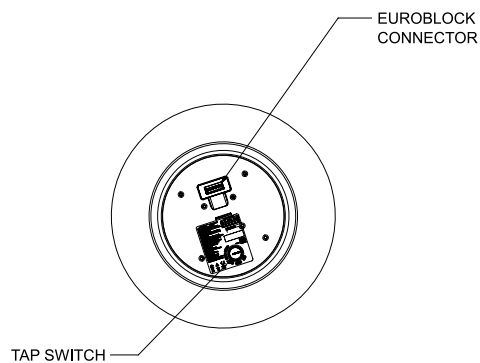
## Dimensions



**Front View**  
GRILLE REMOVED FOR CLARITY



**Right View**  
DIMENSIONS APPLY TO BOTH SIDES



**Rear View**

- NOTES:
1. DIMENSIONS ARE IN MILLIMETERS OVER INCHES
  2. WEIGHT APPROX 8.9kg [19.7lbs]