

DM3C Ceiling Speaker

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Power	30W
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Detailed

Model	DM3C	
SINGLE LOUDSPEAKER PERFORMANCE		
Frequency Response (-3 dB)	85 – 19,000 Hz	
Frequency Range (-10 dB)	75 – 20,000 Hz	
Nominal Coverage Angle (1 – 4 kHz)	135°	
Nominal Coverage (1 – 10 kHz)	135°	
Power Handling, Long-term Continuous	AES transducer test 30W	Bose Professional extended-lifecycle test 25W
Power Handling, Peak	AES transducer test 120W	Bose Professional extended-lifecycle test 100W
Sensitivity SPL / 1 W @ 1 m <sup>2</sup>	AES transducer test 83dB	Bose Professional extended-lifecycle test 83dB
Calculated Maximum SPL @ 1 m <sup>3</sup>	AES transducer test 98dB	Bose Professional extended-lifecycle test 97dB
Calculated Maximum SPL @ 1 m, Peak	AES transducer test 104dB	Bose Professional extended-lifecycle test 103dB
Crossover	1.7 kHz (passive 2-way crossover)	
Loudspeaker EQ	Not required. Bose Professional EQ voicing and SmartBass available.	

Recommended High-Pass Protection	80 Hz with minimum 24-dB/octave filter
Transformer taps	70V: 3, 6, 12, 25 W, bypass 100V: 6, 12, 25 W, bypass
<b>TRANSDUCERS</b>	
Low Frequency	1 × 83 mm (3.25 in) woofer
High Frequency	1 × 20 mm (0.75 in) neodymium dome tweeter, coaxially mounted
Technology	Dispersion Alignment System, 127 mm (5 in) system diameter
Nominal Impedance	8 Ω (transformer bypass)
<b>PHYSICAL</b>	
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 (RAL 9003), paintable
Environmental	Indoor only
Safety Agency	UL 1480A, UL Listed, in compliance with UL2043 for plenum-space installation, NFPA 70 & NFPA 90A, CE-compliant
Operating Temperature Range	0 °C 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 <sup>2</sup> ) to 14 AWG (2.5 mm <sup>2</sup> ) size wire.
Wire/Conduit Entry	Top & side wire entry point knockouts, allows for 9.5 mm (3/8 in) conduit
Suspension/Mounting	Three (3) QuickHold, spring-loaded mounting arms plus three (3) safety cable tabs
Maximum Ceiling Thickness	39 mm (1.5 in)
Ceiling Cutout Size	208 mm (8.2 in)
Product Dimensions (grille diameter × depth)	255 × 154 mm (10.0 × 6.0 in)
Backcan Dimensions (diameter × depth)	203 × 144 mm (8.0 × 5.7 in)
Net Weight, Loudspeaker with grille (single)	2.68 kg (5.9 lb)
Net Weight, Tile-Bridge (single)	0.8 kg (1.7 lb)
Shipping Weight (pair)	8.7 kg (19.2 lb)
Included Accessories	Adjustable tile bridge, template
Optional Accessories	Rough-in pan (6-pack)