

In-Wall Speakers

Specification sheet

SONOS



In-Wall Key Features

- 6-in In-Wall Speaker
- High power and wide frequency response
- Custom DSP and limiter with Sonos Amp
- Simple to install and connect
- Custom room tuning with Trueplay™
- Blend in with any décor

Product Overview

Sonos Architectural speakers make it easy to bring premium sound to virtually any space. Designed and tuned in collaboration with Sonance, these speakers offer natural, room-filling sound with discreet installation. Maximize your system's potential by powering these speakers with Sonos Amp. Our WiFi-enabled amplifier provides unique benefits like optimized tunings, overdrive protection, and Trueplay™ technology, tailoring the speaker's sound to the unique acoustics of your space. A single Amp can efficiently and effectively power up to three pairs of Sonos passive speakers. When paired with Amp, Sonos Architectural speakers combine the aesthetics of installed solutions with superior fidelity and convenient wireless control.

Whether your inspiration is the cinema or the concert stage, create a clutter-free, multidimensional listening experience with sleek speakers that seamlessly blend with any décor, thanks to low-profile, paintable magnetic grilles with subtle microperforation patterns. Integral Roto-Lock® systems allow for quick mounting directly into ceilings and walls.

Whether in a single room or an entire household, count on Sonos Architectural speakers to deliver a seamless audio experience that redefines the possibilities of home entertainment.

Specifications

	6" In-Wall
SKU	INWLLWW1
Low Frequency Driver	6.5 in / 165 mm polypropylene cone, rubber surround, 1.27 in / 32 mm diameter voice coil
High Frequency Driver	1 in / 25 mm polyurethane dome, ferrofluid-cooled, acoustic back chamber
Frequency Range (No DSP) ¹	46 Hz-20 kHz \pm 3 dB 32 Hz-20 kHz -10 dB
Frequency Range (With DSP) ¹	36 Hz-20 kHz \pm 3 dB 29 Hz-20 kHz -10 dB
Nominal Impedance	8 Ω
Power Handling (Program)	130 Watts maximum
Power Handling (Continuous) ²	60 Watts maximum
Sensitivity (2.83 V/1 m) ³	85 dB SPL
Rated Maximum SPL ⁴	103 dB @ 1 meter
Nominal Coverage Angle ⁵	90° horizontal x 80° vertical
Directivity Q ⁶	6.5
Directivity Index ⁶	7.9 dB
Connector Type	Gold-plated spring terminals
Operating Temperature	-4° F to 140° F (-20° C to 60° C)
Humidity Range	40-60% RH
Safety and Compliance	RohS, WEEE, CE, Prop65
Product Dimensions (W x H x D)	7.77 x 11.66 x 3.53 in / 197.29 x 296.09 x 89.76 mm
Cutout Dimensions (W x H)	6.93 x 10.75 in / 176 x 273 mm
Grille Dimensions (W x H)	7.85 x 11.74 in / 199.5 x 298.3 mm
Net Weight (Each)	4.63 lb / 2.1 kg
Shipping Weight (Pair)	11.8 lb / 5.4 kg
Included Accessories	Speaker grilles (pair), cut out template

Accessories

Replacement Speaker Grille (Pair)	INWGRWW1
Rectangle Flex Bracket (5 Pack)	RECFBWW1BLK
Rectangle Retrofit Enclosure (Pair)	RECREWW1BLK
In-Wall Back Box for Sonos Amp	AMPBBWW1BLK

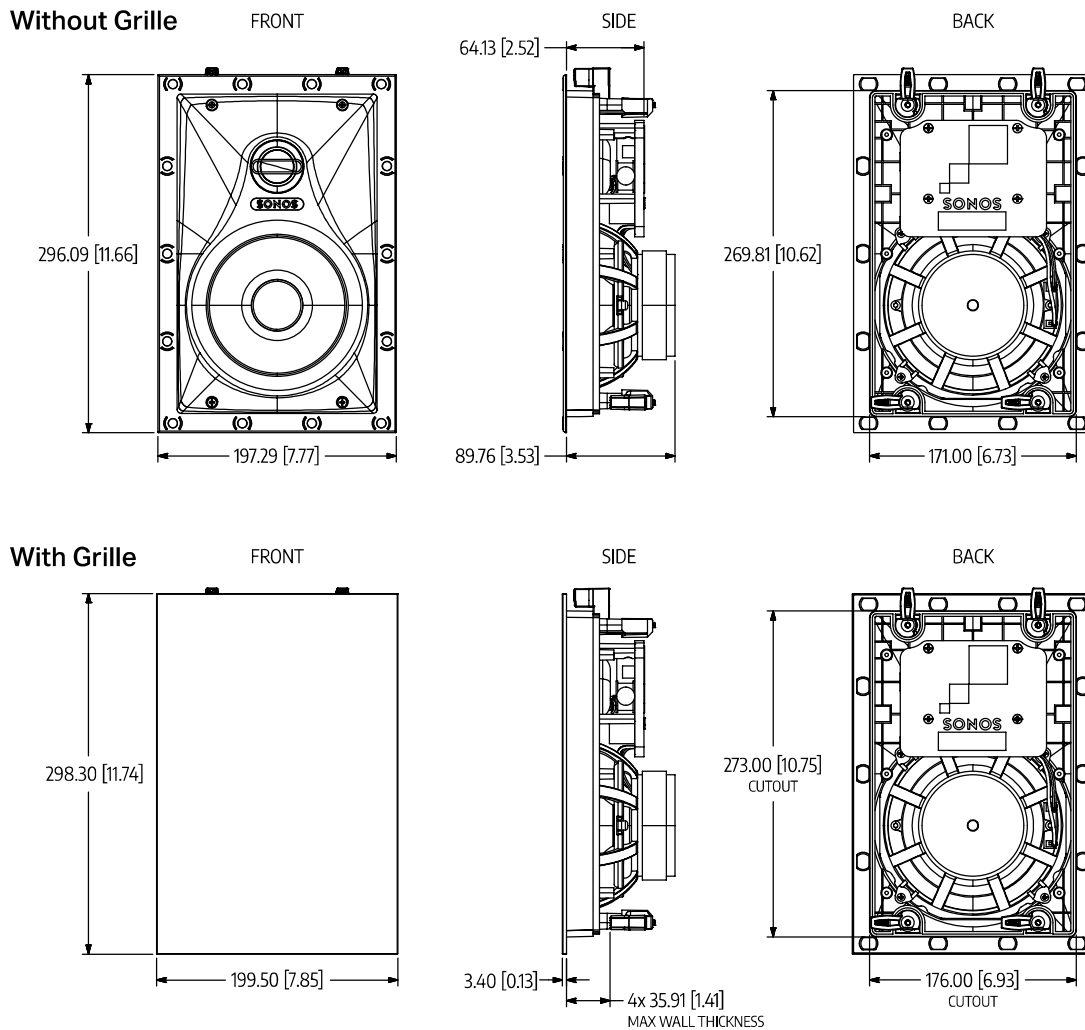
¹ Measured at 2Pi anechoic infinite baffle, ² Noise filtered to meet IEC60268-5, 6 dB crest factor (RMS), ³ Measured on axis, in a 2Pi environment infinite baffle, half-space average 100 Hz to 10 kHz, ⁴ Max SPL exclusive of power compression and calculated from sensitivity and power handling, ⁵ When mounted in portrait orientation, ⁶ Half-space (in wall) average 1 kHz to 16 kHz

Architect and Engineer Specifications

The loudspeaker shall be of in-wall design, consisting of a 6.5 in / 165 mm low frequency, polypropylene cone driver with rubber surround and a 1 in / 25 mm polyurethane dome high frequency driver that is Ferrofluid-cooled with an acoustic back chamber.

The loudspeaker shall be capable of meeting the following performance criteria: The measured midband sensitivity shall be 85 dB SPL (at 2.83 V, 1 m); The rated maximum SPL shall be 103 dB SPL (at 1m); The frequency range with Sonos DSP shall be 36 Hz-20 kHz. The frequency range without Sonos DSP shall be 46 Hz-20 kHz (± 3 dB rated sensitivity, in half-space); The nominal coverage angle shall be 90° horizontal x 80° vertical, when mounted in portrait orientation. The loudspeaker shall be provided with an overload protection circuit to protect network and transducers. Nominal impedance shall be 8 ohms.

Terminal connections shall be made with gold-plated spring-loaded binding posts. The grilles shall be paintable and magnetic steel. The overall product dimensions shall be 7.77 in x 11.66 in x 3.53 in / 197.29 mm x 296.09 mm x 89.76 mm. The cutout dimensions shall be 6.93 in x 10.75 in / 176 mm x 273 mm, and the grille dimensions shall be 7.85 in x 11.74 in / 199.5 mm x 298.3 mm. The overall depth of the in-wall void shall not be less than 3.53 in / 89.76 mm. The loudspeaker shall weigh 4.63 lb / 2.1 kg. When connected to a power amplifier, the user must have the ability to enable Optimize Sonos Speakers and Trueplay™ via mobile application for the loudspeaker. The loudspeaker shall be the Sonos 6" In-Wall Speaker.



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