



SONANCE CINEMA SERIES IN-WALL SUBWOOFERS



Sonance Cinema® Series In-Wall Subwoofers

Sonance Cinema Series In-Wall subwoofers combine elegant, modern visual design with uncompromised bass performance for home theaters. The new models, the Cinema Series In-Wall 12-500 Subwoofer and In-Wall 10-250 Subwoofer, join the existing in-wall and in-ceiling speaker lineup in the Sonance Cinema® Series.

The Cinema Series In-Wall Subwoofers feature an innovative low profile driver with an ultra low distortion motor and 4" diameter voice coil. The Cinema 12-500 In-Wall Subwoofer incorporates a 12" woofer, while the 10-250 utilizes a 10" woofer. Dual central mount spiders are used in both models to maximize the movement of the laminated carbon fiber honeycomb woofer cone.

Sonance Cinema Series In-Wall Subwoofer enclosures are constructed from a combination of ½" and 1" MDF for superior isolation of bass and extruded aluminum bracing for minimal obstruction of airflow inside the enclosure. Mass damping of front and back walls of each enclosure and long strand fiberglass internal damping for standing wave dissipation is also

incorporated. In addition, a floating enclosure design minimizes vibration transfer to adjoining rooms. Both enclosures fit in a standard 2 x 4 stud bay and a blank pre-construction plate is included for easy installation.

The outboard Cinema Series subwoofer amplifiers feature Class D output stage, line, and speaker level high pass filtering and are designed specifically to the SUB10-250 and SUB12-500 drivers and enclosures. Each amplifier is capable of driving up to two woofers. The SUB10-250 extends down to 30Hz and using the matching SUB10-250D amplifier, is capable of producing 108dB of output at 1 meter. The SUB12-500 extends down to 25Hz and using its matching SUB12-500D amplifier, will produce 114dB of output at 1 meter.

Keeping in mind the different installation stages needed by the CEDIA professional, the new Cinema In-Wall Subwoofer systems are sold separately in three pieces; a woofer driver, grille, an in-wall enclosure, and the outboard amplifier or as a system that includes two woofer drivers, two enclosures and the amplifier.

Subwoofer Features:

- Low profile driver
- 1.5" of peak to peak travel
- Ultra low distortion motor
- 4" diameter voice coil
- Dual central mount spiders to maximize the linear movement of the cone
- Laminated carbon fiber honeycomb cone
- Die-cast basket
- Visual Performance grille

Sonance Digital Amplifier:

(sold separately)

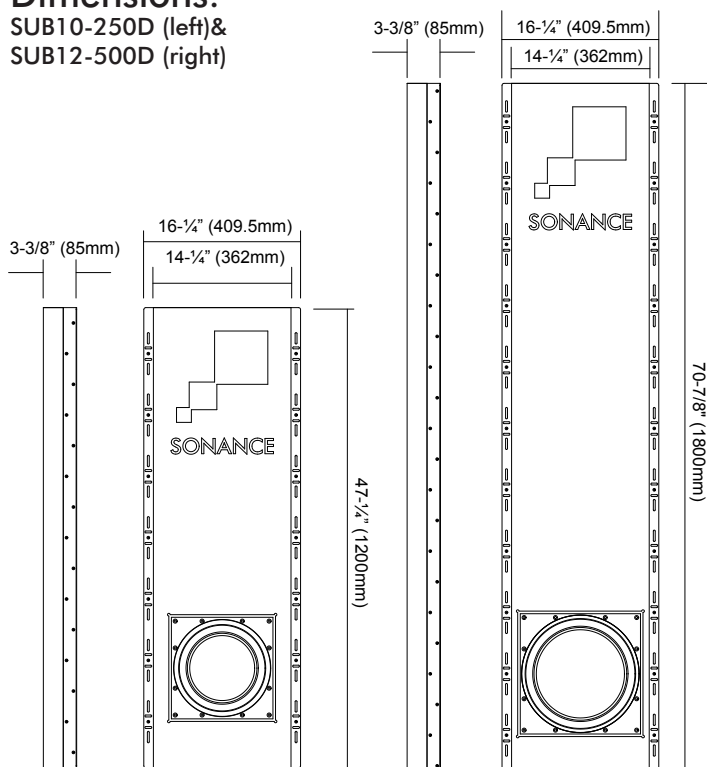
- Capable of driving two woofers
- Class D output stage
- Line and speaker level high pass filtering
- Designed specifically to the SUB10-250 and SUB12-500 drivers and enclosures

Sonance In-Wall Subwoofer Enclosures:

(sold separately)

- Combination of .5" and 1" MDF
- Extruded aluminum bracing for minimal obstruction of airflow inside the enclosure
- Mass damping of front and back walls of enclosure
- Long strand fiberglass internal damping for standing wave dissipation
- Dual positive and negative terminals for maximum wire durability
- Floating enclosure design to minimize vibration transfer to adjoining rooms
- Fits in standard 2 x 4 stud bay
- Blank pre-construction plate for easy installation

Dimensions: SUB10-250D (left)& SUB12-500D (right)



Sonance Cinema® Series In-Wall Subwoofers



Specifications:

SUB10-250 SUBWOOFER

Woofers:	10" (254mm) laminated carbon fiber cone with a rubber surround
Frequency Response:	30Hz - 250Hz \pm 3dB
Impedance:	8 ohms nominal
Sensitivity:	88dB (2.83V/1) meter
Grille:	Perforated steel
Requirement:	Requires Cinema SUB10-250 acoustic enclosure, sold separately Requires Cinema SUB10-250 amplifier, sold separately
Dimensions Woofer (WxHxD):	10 7/16" x 10 7/16" x 3 5/32" (265mm x 265mm x 80.2mm)
Dimensions Grille (WxHxD):	13 1/16" x 13 1/16" x 5/32" (332mm x 332mm x 4mm)

SUB10-250 ENCLOSURE

Internal Volume:	.80 cubic feet (22.6 liters) of volume
Material:	MDF wood box with long strand fiberglass acoustic dampening material
Compatibility:	Fits the Sonance Cinema SUB10-250 only
Enclosure Dimensions (WxHxD):	14 1/4" x 47 1/4" x 3 7/16" (362mm x 1200mm x 87mm)
Mounting Depth:	3 3/8" (85.7mm)
Mounting Bracket Width:	16 1/4" (409.5mm)
Hardware:	Integrated L-bracket mounting system included

SUB10-250D AMPLIFIER

AC Fuse:	120v Model - 8 amp AL-250V 230v Model - 6.3 amp AL-250V
AC Power Consumption:	500w @ 4ohms (sine wave, full power) 500w @ 4ohms (music, full power)
Heat Output:	1330 BTU/HR @ 8ohms (music, full power) 1330 BTU/HR @ 4ohms (music, full power)
Signal-to-Noise Ratio:	-95dB (w/22kHz A-wtg. Filter)
Line Input Impedance:	600 ohms
Line Output Impedance:	600 ohms
Auto-On Trigger Sensitivity:	7.0mV LFE Line Input 3.5mV Stereo Line Input
Low-Pass Crossover Freq:	(BYPASS Switch OFF): 50Hz ~ 150Hz (variable), 12dB/octave
Low-Pass Crossover Freq:	(BYPASS Switch ON): 250Hz (fixed), 12dB/octave
Hi Level Out Hi-Pass Filter:	-3dB @ 150Hz, 6dB/octave
Line Level Out Hi-Pass Filter:	-3dB @ 150Hz, 6dB/octave
Controls:	Variable crossover freq and output level, Phase switch, Bypass switch
Dimensions (WxHxD):	16 3/4" x 37/8" x 13 1/2" (425mm x 98mm x 343mm)
RMF Dimensions (WxHxD):	19" x 37/8" x 13 1/2" (483mm x 98mm x 343mm)
Rack Space Requirement:	2U
Certifications:	ETL, CE, C-Tick, FCC
Shipping Weight:	19 lbs (8.6kg) each

Sonance Cinema® Series In-Wall Subwoofers



Specifications:

SUB12-500 SUBWOOFER

Woofer:	12" (305mm) laminated carbon fiber cone with a rubber surround
Frequency Response:	25Hz - 250Hz \pm 3dB
Impedance:	8 ohms nominal
Sensitivity:	90dB (2.83V/1) meter
Grille:	Perforated steel
Requirement:	Requires Cinema SUB12-500 acoustic enclosure, sold separately Requires Cinema SUB12-500 amplifier, sold separately
Dimensions Woofer (WxHxD):	12 3/8" x 12 3/8" x 3 5/32" (314mm x 314mm x 80.2mm)
Dimensions Grille (WxHxD):	15" x 15" x 5/32" (381mm x 381mm x 4mm)

SUB12-500 ENCLOSURE

Internal Volume:	1.20 cubic feet (34.3 liters) of volume
Material:	MDF wood box with long strand fiberglass acoustic dampening material
Compatibility:	Fits the Sonance Cinema SUB12-500 only
Enclosure Dimensions (WxHxD):	14 1/4" x 70 7/8" x 3 7/16" (362mm x 1800mm x 87mm)
Mounting Depth:	3 3/8" (85.7mm)
Mounting Bracket Width:	16 1/4" (409.5mm)
Hardware:	Integrated L-bracket mounting system included

SUB12-500D AMPLIFIER

AC Fuse:	120v Model - 12 amp AL-250V 230v Model - 8 amp AL-250V
AC Power Consumption:	800w @ 4ohms (sine wave, full power) 800w @ 4ohms (music, full power)
Heat Output:	1330 BTU/HR @ 8ohms (music, full power) 1330 BTU/HR @ 4ohms (music, full power)
Signal-to-Noise Ratio:	-95dB (w/22kHz A-wtg. Filter)
Line Input Impedance:	600 ohms
Line Output Impedance:	600 ohms
Auto-On Trigger Sensitivity:	7.0mV LFE Line Input 3.5mV Stereo Line Input
Low-Pass Crossover Freq:	(BYPASS Switch OFF): 50Hz ~ 150Hz (variable), 12dB/octave
Low-Pass Crossover Freq:	(BYPASS Switch ON): 250Hz (fixed), 12dB/octave
Hi Level Out Hi-Pass Filter:	-3dB @ 150Hz, 6dB/octave
Line Level Out Hi-Pass Filter:	-3dB @ 150Hz, 6dB/octave
Controls:	Variable crossover freq and output level, Phase switch, Bypass switch
Dimensions (WxHxD):	163/4" x 37/8" x 131/2" (425mm x 98mm x 343mm)
RMF Dimensions (WxHxD):	19" x 37/8" x 131/2" (483mm x 98mm x 343mm)
Rack Space Requirement:	2U
Certifications:	ETL, CE, C-Tick, FCC
Shipping Weight:	19 lbs (8.6kg) each

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