

# Cutsheet for CSW100/155/200 Custom Install Subwoofers and SWA500 Amplifier

## CSW100

### Custom Install Subwoofer

The CSW100 subwoofer is a bandpass design with slot-load venting and has a 10 inch long-throw driver. The CSW100 fits standard joist spacing and is designed specifically for floor and ceiling installation, or custom enclosures that are at least nine inches (9") deep. All sound comes from an opening approximately 13 inches long by 3 inches wide. There is an access panel on the back of the subwoofer should the driver have to be removed for service.

#### Hardware (included)

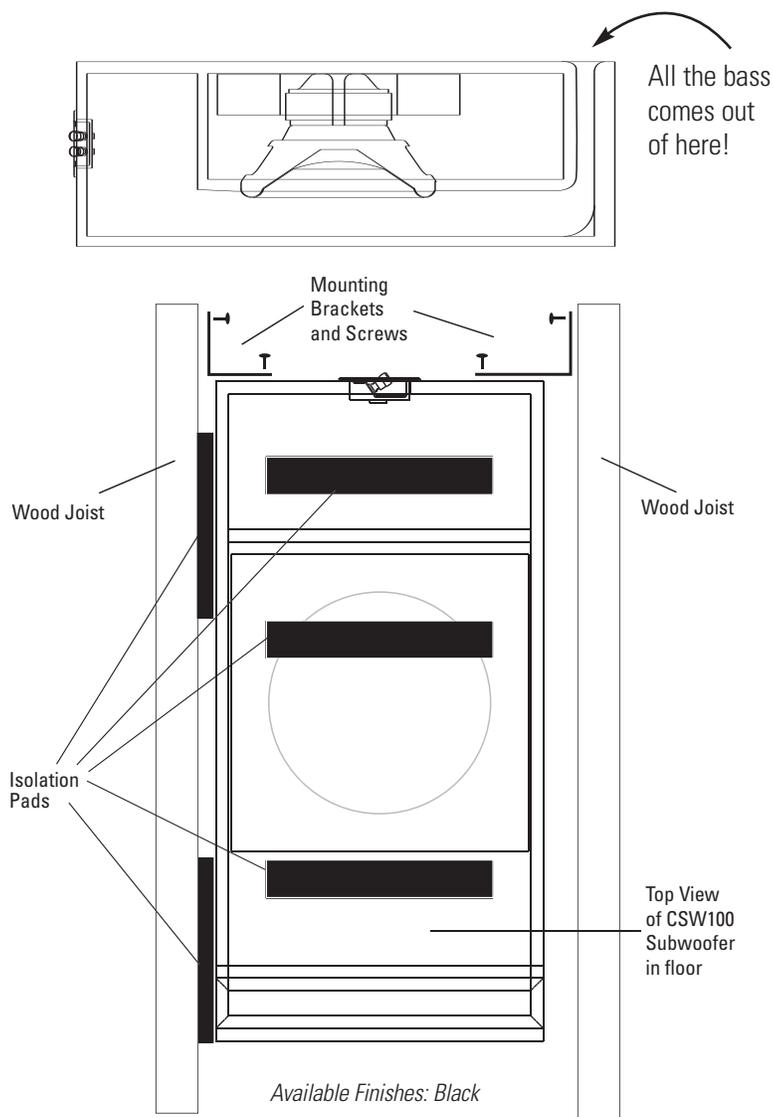
- 1 Subwoofer
- 4 Mounting Brackets
- 16 - 3/4" Particle Board Panhead Screws
- 16 Washers
- 3 Isolation Pads
- 1 Registration Card
- 1 Owner's Manual (also available online)
- Plastic molded grille
- 6 Rubber Buttons (to cover grille screw holes)

#### Protective Cover

A 1/2" thick protective cover of MDF covers the CSW100 grille opening. This protective cover (3 - 1/4" x 13") is also the template you will use to cut the grille opening. Affixed to the MDF cover is the following label:

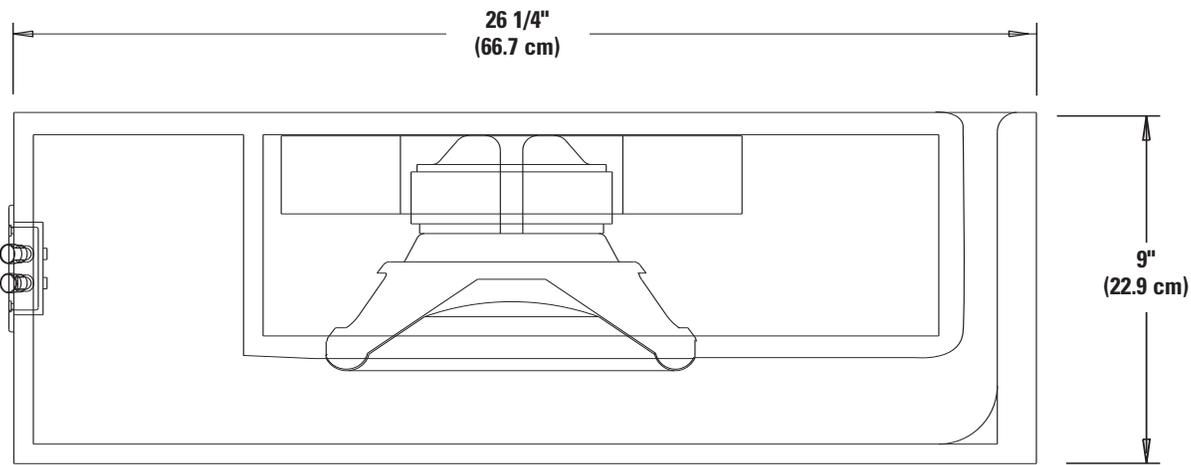
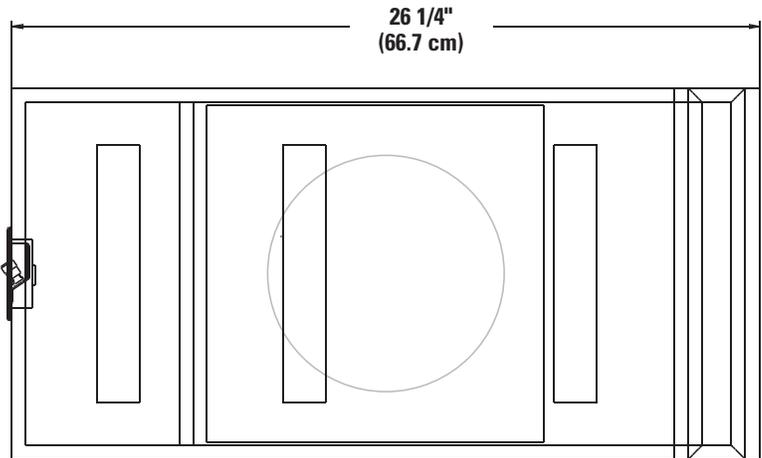
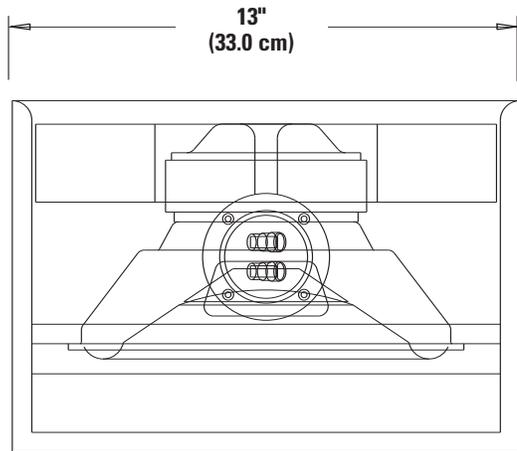
**WOOFER PROTECTION COVER  
AND GRILLE OPENING TEMPLATE  
Remove Before Installation  
PANNEAU PROTECTEUR DU WOOFER ET  
GABARIT POUR L'EMBRASURE DE LA GRILLE  
Retirer Avant L'installation**

If you choose to use another grille, use one that doesn't resonate and caulk it.

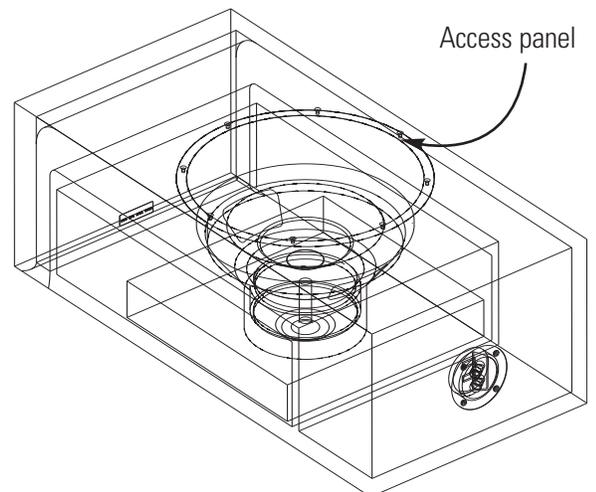
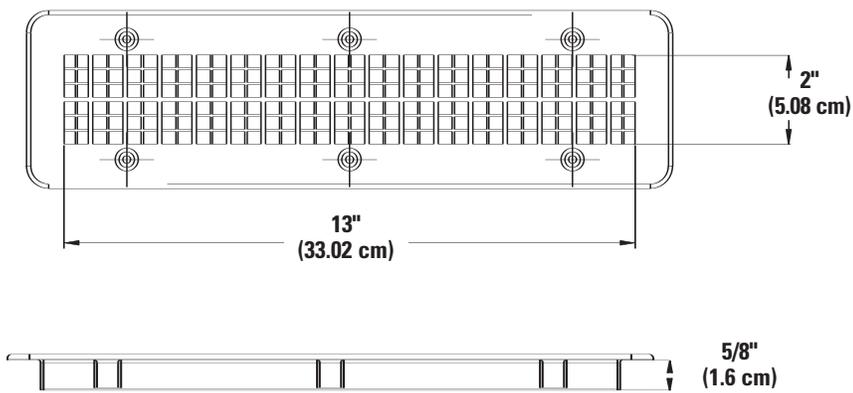


**Dimensions**

Installed Weight: 33 lbs.



**Cutout for grill opening - 3 1/4"**



## Specifications



CSW100 shown with Polk Audio 2" x 12" grille.

### PERFORMANCE

DRIVER COMPLEMENT	SINGLE LONG-THROW KLIPPEL-ANALYZED 10-INCH DRIVER
POWER HANDLING (WATTS)	250 CONTINUOUS
OVERALL FREQUENCY RESPONSE	27HZ-140HZ
LOWER -3DB LIMIT	33HZ
UPPER -3DB LIMIT	120HZ
NOMINAL IMPEDANCE	8 OHMS

### CONNECTIONS

SPEAKER WIRE	
MAXIMUM WIRE SIZE ACCOMMODATED	12 AWG
MINIMUM RECOMMENDED	18 AWG
INPUT CONNECTORS	HEAVY-DUTY SPRING LOADED PUSH TERMINALS

### Recommended Configuration

Use dedicated SWA500 amplifier to achieve optimal performance as recommended by Polk Audio (see note on SPEX Cards under SWA500).

### Factory Support

For product support, contact our service department at 1-800-377-7655 9am to 6pm EST, Monday-Friday, or contact customer service at polkcs@polkaudio.com

For more information on the CSW100 and specific installation procedures, log onto [http://www.polkaudio.com/downloads/manuals/home/CSW100\\_200\\_Manual.pdf](http://www.polkaudio.com/downloads/manuals/home/CSW100_200_Manual.pdf)

# CSW155

## Custom Install Subwoofer

The CSW155 is designed for in-wall placement, either pre-construction or retrofit. It fits comfortably between 16" OC studs.

### Parts included:

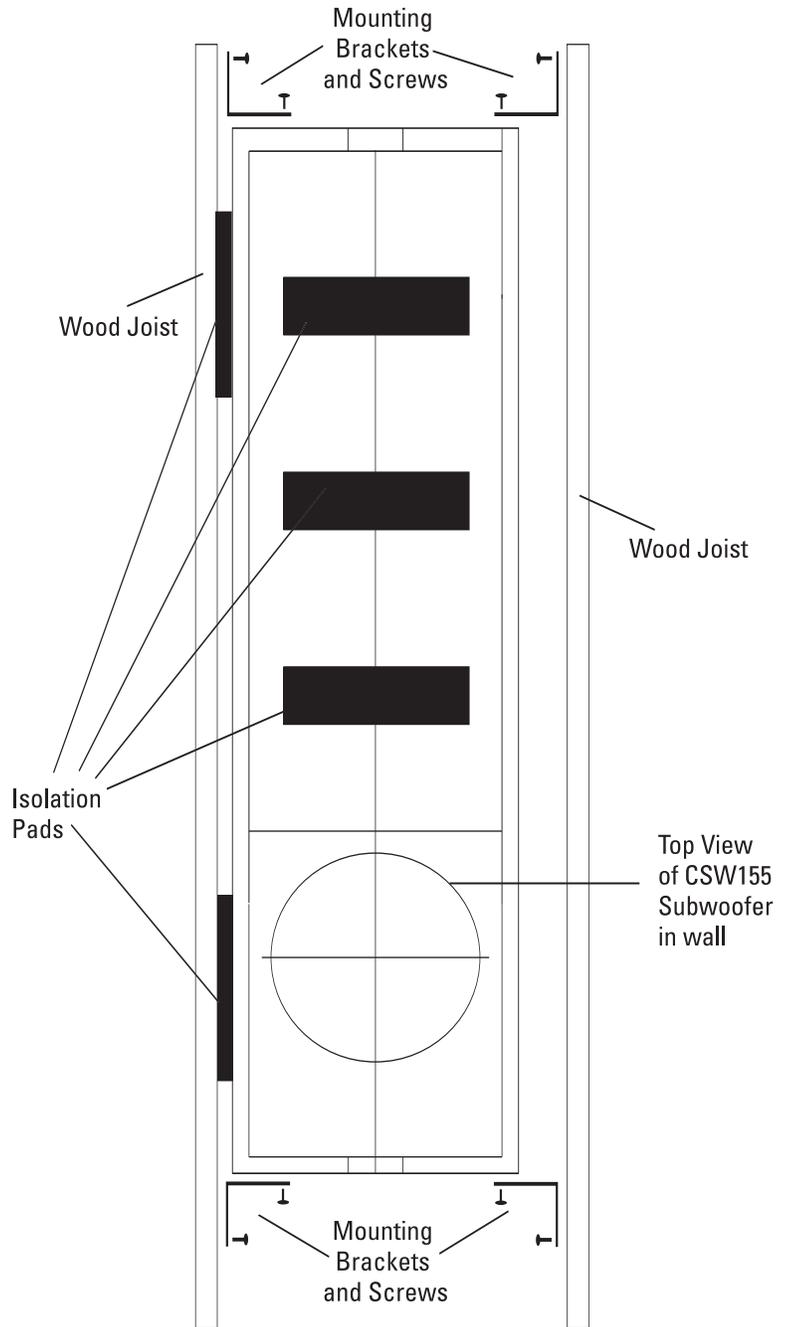
- 1 CSW155 Subwoofer
- 4 Brackets
- 16 Screws
- 16 Washers
- 11 Isolation Pads (6 installed, 5 included)
  - 1 15 1/2" x 17 1/2" perforated grille with plastic frame

### CSW155 INSTALLATION PROCEDURE

**Note:** The CSW155 weighs 36 lbs.

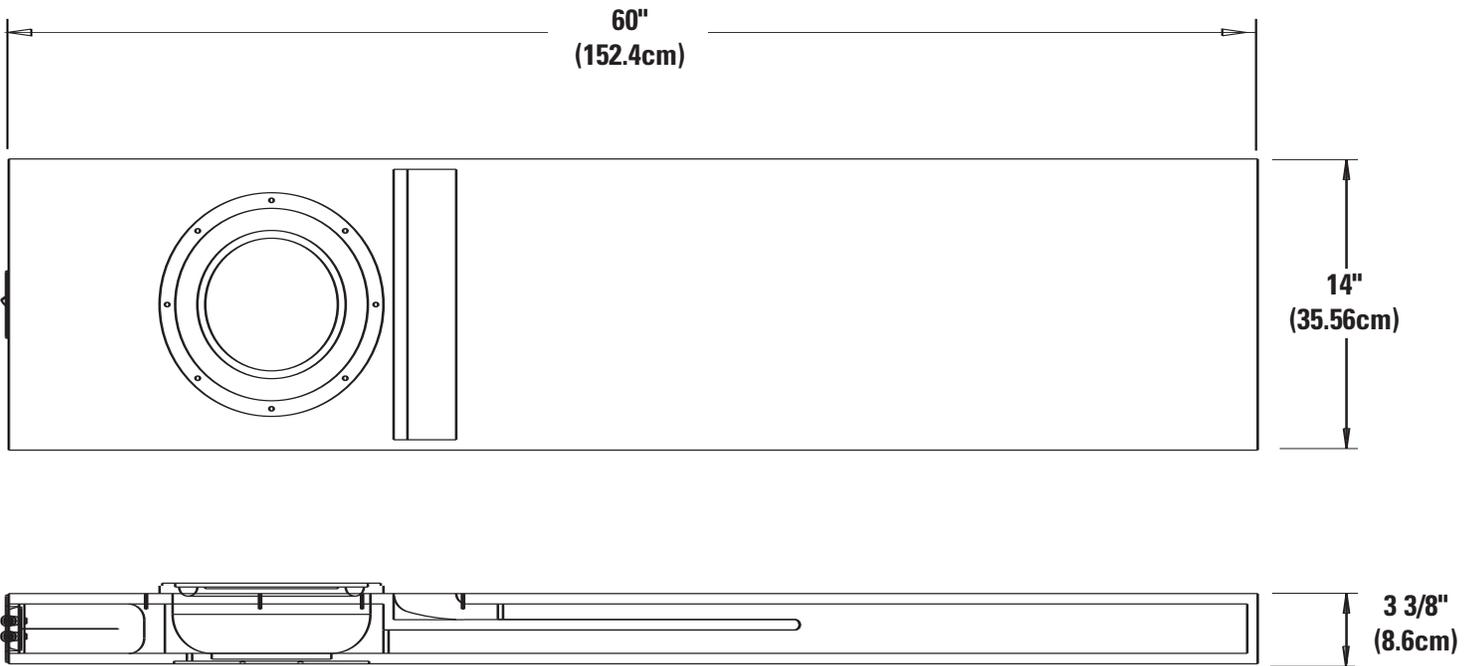
#### Protective Cover

A 1/2" thick protective cover of MDF covers the CSW155 grille opening. This protective cover (15 1/2"x17 1/2") is also the template you will use to cut the grille opening. Affixed to the MDF cover is this label:



**Dimensions**

Installed Weight: 48 lbs.



## Specifications

### PERFORMANCE

DRIVER COMPLEMENT	SINGLE LONG-THROW KLIPPEL-ANALYZED 10-INCH DRIVER
OVERALL FREQUENCY RESPONSE	30HZ-140HZ
LOWER -3DB LIMIT	36HZ
UPPER -3DB LIMIT	120HZ
NORMAL IMPEDANCE	8 OHMS

### CONNECTIONS

SPEAKER WIRE	
MAXIMUM WIRE SIZE ACCOMMODATED	12 AWG
MINIMUM RECOMMENDED	18 AWG
INPUT CONNECTORS	HEAVY-DUTY SPRING LOADED PUSH TERMINALS, ONE PAIR PER SIDE

## Recommended Configuration

Use dedicated SWA500 amplifier to achieve optimal performance as recommended by Polk Audio (see note on SPEX Cards under SWA500).

## Factory Support

For product support, contact our service department at 1-800-377-7655 9am to 6pm EST, Monday-Friday, or contact Customer Service at [polkcs@polkaudio.com](mailto:polkcs@polkaudio.com)

For more information on the CSW155 and specific installation procedures, log onto [http://www.polkaudio.com/downloads/manuals/home/CSW100\\_155\\_200\\_Manual.pdf](http://www.polkaudio.com/downloads/manuals/home/CSW100_155_200_Manual.pdf)

# CSW200

## High Performance Custom Install Subwoofer

The CSW200 is a built-in subwoofer designed specifically for floor and ceiling installation or custom enclosures that are at least nine inches (9") deep. This subwoofer fits standard joist spacing.

### Hardware (included)

- 1 Subwoofer
- 4 Mounting Brackets
- 16 - 3/4" Particle Board Panhead Screws
- 16 Washers
- 3 Isolation Pads
- 1 Registration Card
- 1 Owner's Manual (also available online)

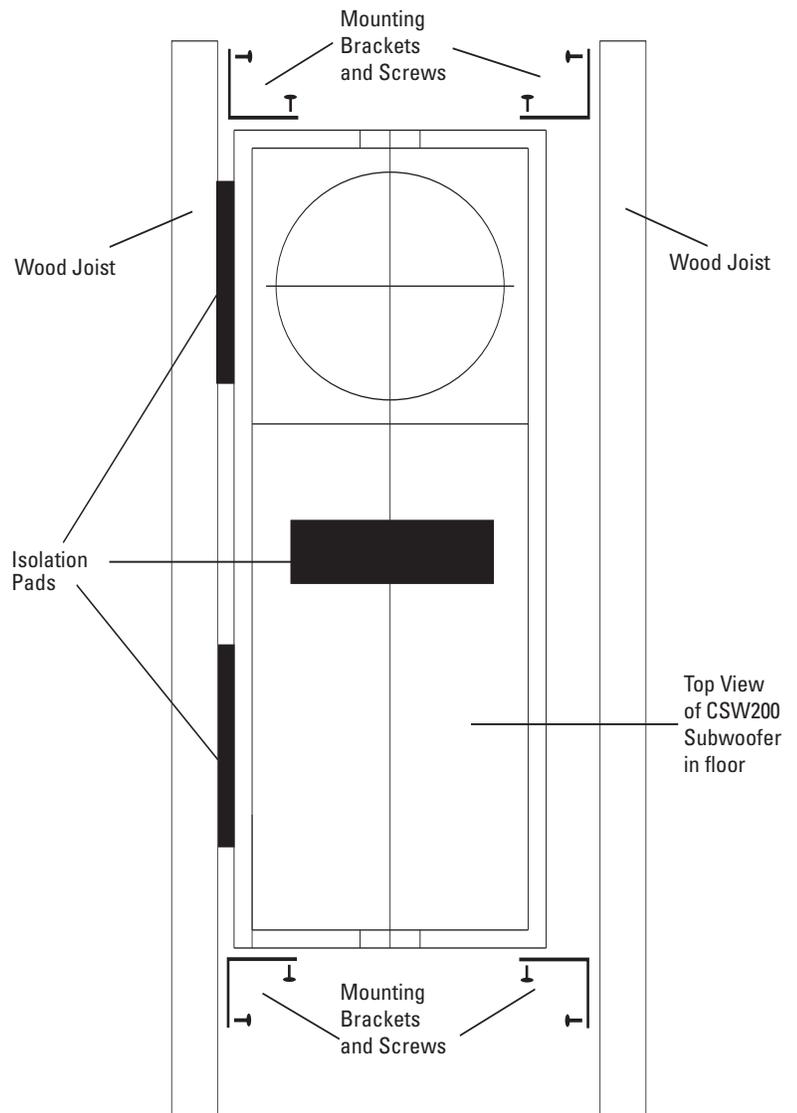
### Grille (not included)

The CSW200 does not include a grille. We recommend using a 12" x 12" grille, though you may use a variety of grilles with the CSW200 (10" x 10" or 8" x 14" for example). To prevent spurious noises, use a grille that doesn't resonate and caulk it. To install the CSW200, follow the procedure that applies to your job.

### Protective Cover/Installation

A 1/2" plate of MDF covers the CSW200 woofer to protect it and the cabinet during shipping and installation. Affixed to the MDF cover, you will see the following label:

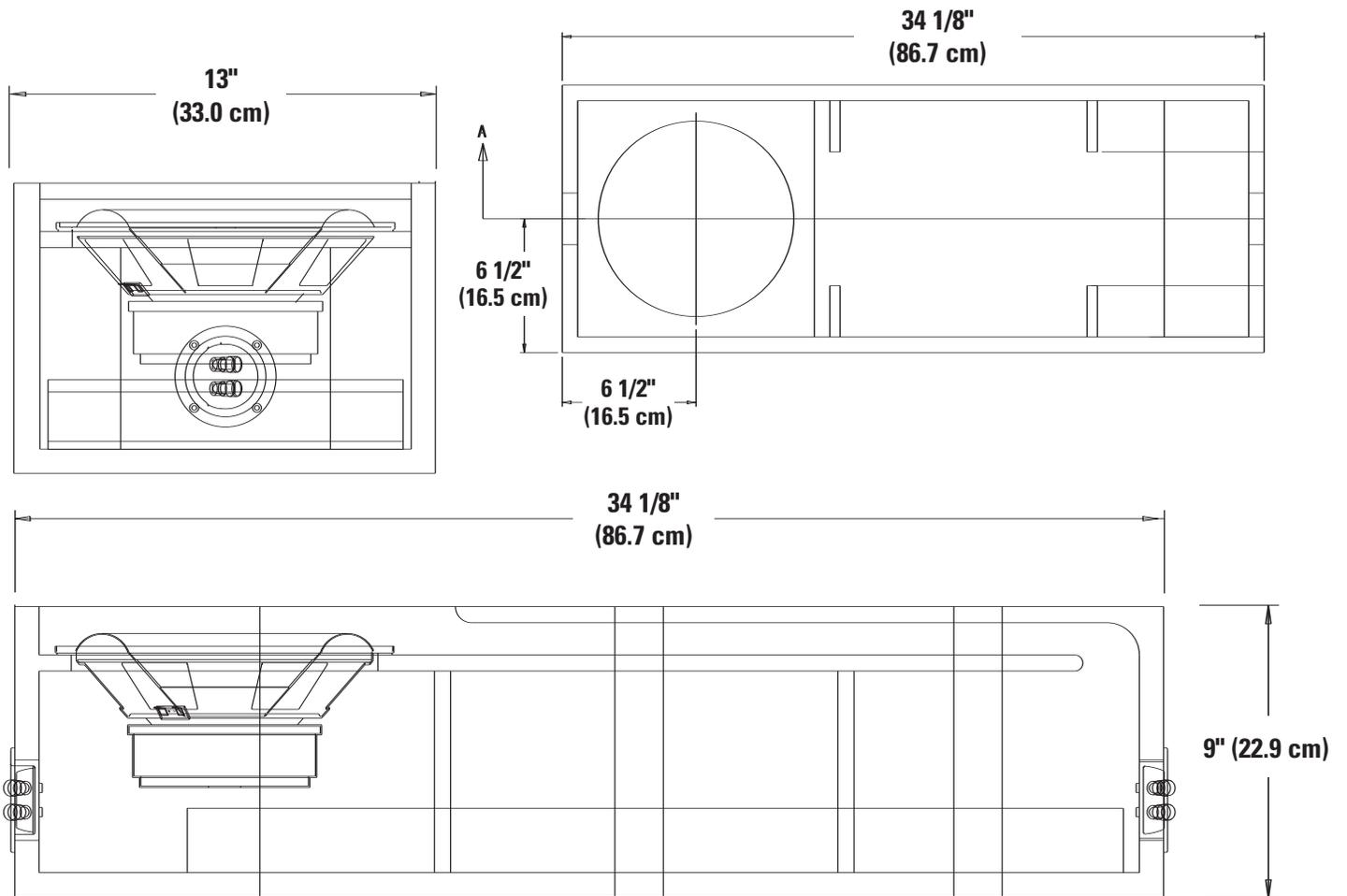
**WOOFER PROTECTION COVER**  
**Remove Before Installation**  
**PANNEAU PROTECTEUR DU WOOFER**  
**Retirer Avant L'installation**



Available Finishes: Black

**Dimensions**

Installed Weight: 48 lbs.



## Specifications



CSW200 shown with aftermarket 12" x 12" floor grate.

### PERFORMANCE

DRIVER COMPLEMENT	SINGLE LONG-THROW KLIPPEL-ANALYZED 10-INCH DRIVER
POWER HANDLING (WATTS)	250 CONTINUOUS
OVERALL FREQUENCY RESPONSE	22HZ-140HZ
LOWER -3DB LIMIT	28HZ
UPPER -3DB LIMIT	120HZ
NORMAL IMPEDANCE	8 OHMS

### CONNECTIONS

SPEAKER WIRE	
MAXIMUM WIRE SIZE ACCOMMODATED	12 AWG
MINIMUM RECOMMENDED	18 AWG
INPUT CONNECTORS	HEAVY-DUTY SPRING LOADED PUSH TERMINALS, ONE PAIR PER SIDE

**IMPORTANT NOTE:** The CSW200 is equipped with two sets of binding posts for installing convenience. Use either set to hook up the subwoofer to the amplifier. Do not use both sets. Always use one set.

### Recommended Configuration

Use dedicated SWA500 amplifier to achieve optimal performance as recommended by Polk Audio (see note on SPEX Cards under SWA500).

### Factory Support

For product support, contact our service department at 1-800-377-7655 9am to 6pm EST, Monday-Friday, or contact Customer Service at polkcs@polkaudio.com

For more information on the CSW200 and specific installation procedures, log onto [http://www.polkaudio.com/downloads/manuals/home/CSW100\\_200\\_Manual.pdf](http://www.polkaudio.com/downloads/manuals/home/CSW100_200_Manual.pdf)

# SWA500

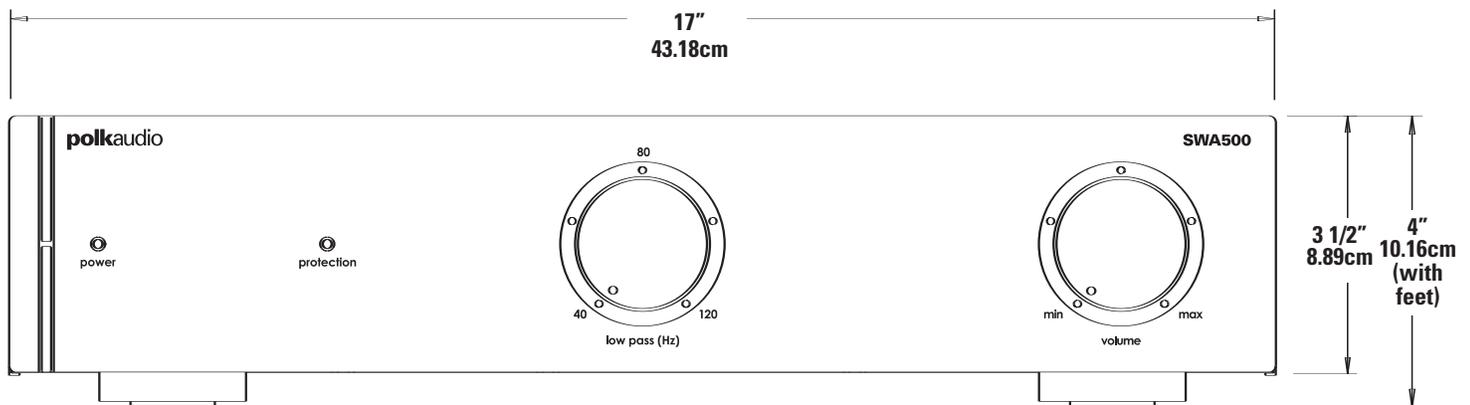
## High Performance Subwoofer Amplifier

Hybrid Class D amplifier, producing 250W Continuous Power into 8 Ohms and 500W Continuous Power into 4 Ohms.

### Dimensions

#### Chassis

3 1/2" H x 17" W x 12 5/8" D (8.89 cm H x 43.18 cm W x 32.07 cm D)



### WEIGHT

INSTALLED WEIGHT	9.8 LBS. (4.5 KG.)
SHIPPING WEIGHT	17 LBS. (7.7 KG.)

### PERFORMANCE

POWER CONTINUOUS	250W INTO 8 OHMS 500W INTO 4 OHMS
POWER PEAK	800W
BANDWIDTH	15HZ - 250HZ
DISTORTION	0.01%
CROSSOVER FREQ RANGE	40HZ - 120HZ
CROSSOVER SLOPE	24dB/OCT
POWER REQUIREMENTS	120V 60HZ AC, 6.3 AMPS
AVAILABLE IN 220V?	YES

### PROTECTION CIRCUITRY

The SWA500 amplifier offers dynamic power control, thermal protection, short circuit, fuse and over-current protection.

### ACCESSORIES

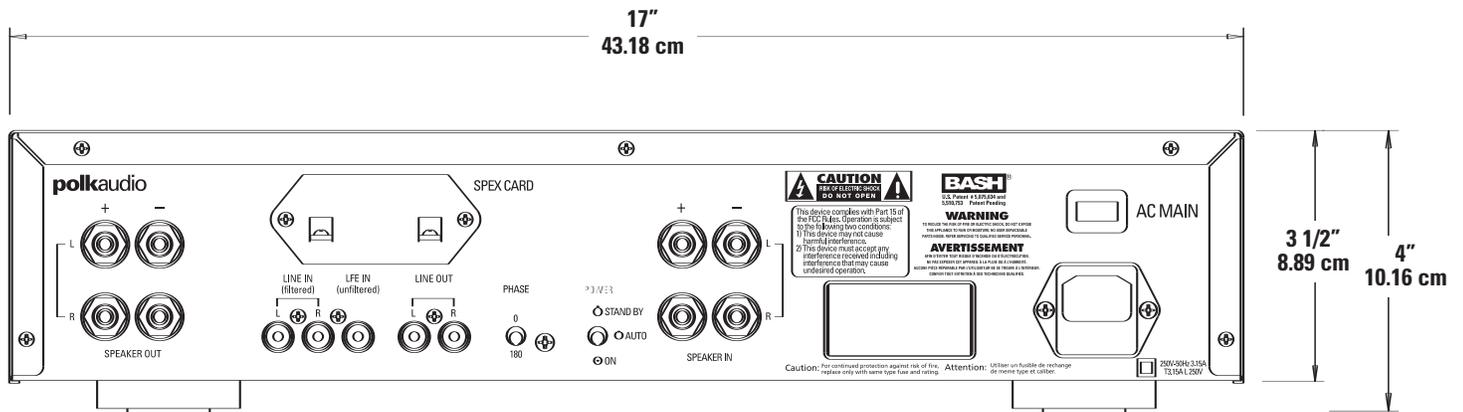
SPEX Cards, which configure EQ, Crossover and Power Control circuitry to each Polk subwoofer.

Rack ears

### CONNECTIONS

SPEAKER WIRE	
MAXIMUM WIRE SIZE ACCOMMODATED	12 AWG
MINIMUM RECOMMENDED	18 AWG
SPEAKER OUT/SPEAKER IN	5-WAY BINDING POSTS
LINE IN/OUTPUTS	LFE, LINE IN L/R, LINE OUT L/R
POWER CONNECTIONS	8 FOOT DETACHABLE IEC POWER CORD

Dimensions (continued)

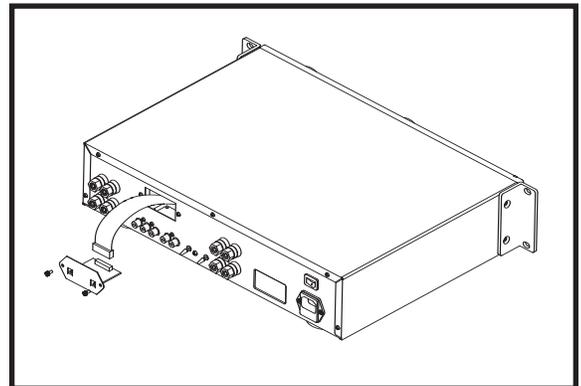


Recommended Configuration

SPEX Card: The SPEX Card configures the EQ, Crossover and Power Control circuitry to match each Polk Subwoofer. The SWA500 Amplifier comes with SPEX Card(s), one each for the specific Polk In-wall Subwoofer to be installed.

**NOTE:** One of the SPEX Cards must be installed in the SWA500 Amplifier for the amplifier to function.

1. Locate the SPEX Card that corresponds to the Polk subwoofer model to which the SWA500 Amplifier will be connected.
2. Remove the two (2) thumb screws from the rear of the amplifier.
3. Remove the label covering the SPEX Card slot.
4. Connect the ribbon connector coming from the SPEX Card opening to its mating connector on the SPEX Card.
5. Insert the SPEX Card into the opening and screw the retaining plate onto the back panel.



Factory Support

For product support, contact our service department at 1-800-377-7655 9am to 6pm EST, Monday-Friday, or contact Customer Service polkcs@polkaudio.com.

For more information on the SWA500 and specific installation procedures, log onto [http://www.polkaudio.com/downloads/manuals/home/SWA500\\_Manual.pdf](http://www.polkaudio.com/downloads/manuals/home/SWA500_Manual.pdf)