



# CS218 Subwoofer



## APPLICATIONS

Live Sound Reinforcement  
Theaters  
Houses of Worship  
Dance Clubs  
Cruise Ships  
Entertainment Venues

## FEATURES

LF Devices: (2) 18 in. (457.2mm)  
Black Epoxy Mastic Finish  
EP-4 Connector

## GENERAL DESCRIPTION

The Clair Brothers CS218 is the latest dual 18" sub-low frequency loudspeaker designed to provide maximum sub bass reinforcement and low frequency augmentation in fixed installations.

The CS218's high-output makes it an ideal companion for a variety of Clair Brothers' full range installation loudspeakers such as i212, CAT214, R3T and R4.

The two complementary 18" transducers and ports minimize thermal power compression and airflow turbulence for unmatched performance. The 18" transducers have weather-resistant cones with exceptional linear excursion. The result is a high power handling, high-performance subwoofer that provides tightly controlled low frequency extension.

As with all Clair Brothers products, the CS218 is constructed of the finest Baltic birch plywood with a rugged epoxy finish to withstand the most demanding conditions.

The speaker grille is constructed of a durable 14 gauge steel which is powder coated and backed with a high grade reticulated foam.

## OPTIONS

**CS218-WR** – Weather Resistant Model  
**CS218-M** – Mobile Model with Integrated Dolly  
Custom Rigging  
Custom Colors Available  
4-Position Terminal Strip

# CS218 Subwoofer



## AUDIO SPECIFICATIONS

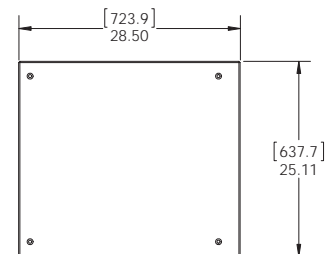
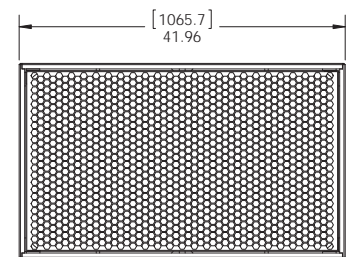
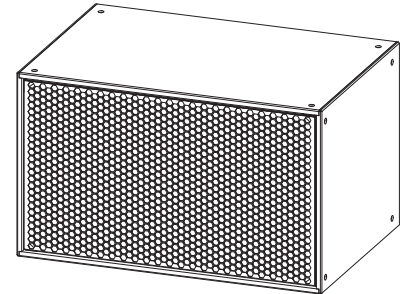
Loudspeaker Type	Dual 18in. Sub-Low	
Frequency Response (+/- 2dB)	Single Cabinet	38Hz–180Hz
	-10 dB Point	32Hz
Recommended Power Amplifier	2400–4800W @ 4 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	103 dB SPL
	Cont	131 dB SPL
Maximum Output	Peak	134 dB SPL
	LF	(2) 18 in. (457.2mm)
Nominal Impedance	LF	(2) 8 Ohms
	Nominal	1400W
Power Handling	Peak	2800W
	Standard	(2) EP4 Connectors (1 Male, 1 Female)
Input Connection	Optional	(1) 4-Position Terminal Strip

## MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm Baltic Birch
	Finish	Black Epoxy Mastic
Grille	Perforated Steel, Foam Backed	
Dimensions	Height	25.11 in. (637.7mm)
	Width	41.96 in. (1065.7mm)
	Depth	28.50 in. (723.9mm)
Weight	203 lbs. (92.1kg)	
Shipping Weight	230 lbs. (104.3kg)	

Note: All wattage figures are calculated using the rated nominal impedance.

Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.



RIGHT VIEW

### CS218 EP4 Pin Configuration

Pin	Use
1	Low 1 (-)
2	Low 1 (+)
3	Low 2 (-)
4	Low 2 (+)

## ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a subwoofer system containing a total of two 18" drivers in a dual-chamber vented enclosure. Power handling capacity shall be 1400 watts RMS nominal and 2800 watts RMS peak. The low frequency drivers each shall be 18" diameter capable of handling 700 watts of pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The passband frequency range shall be at minimum, 38–180Hz with -10dB at 32Hz. Each of two 18" transducers shall have a 4" diameter edge-wound copper ribbon voice coil with a well-vented magnet structure. The motor assembly shall have high thermal capacity and low thermal power compression characteristics. The enclosure shall be constructed of 18mm, 13-ply Baltic birch and be covered with an epoxy mastic finish. The cabinet bracing shall be that of a gusset design providing uniform panel rigidity. The cabinet shall include 16 suspension points. Dimensions shall be 25.11" high, 41.96" wide, and 28.50" deep. The system weight shall be 203 lbs (92.1kg). The loudspeaker system shall be the Clair Brothers CS218 speaker.

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Due to constant research, development and improvements all specifications are subject to change without notice.

