



# CS18-II Subwoofer



## APPLICATIONS

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

## FEATURES

Compact Size  
High Output  
LF Device: 18 in. (457.2 mm)  
Epoxy Mastic Finish  
EP-4 Connector

## GENERAL DESCRIPTION

The Clair Brothers CS18-II is a newly designed sub-low frequency loudspeaker. The CS18-II provides maximum sub bass reinforcement proportional to its size which is ideal for a variety of fixed installations where space-saving is a consideration.

Its compact size makes it a perfect companion for a variety of Clair Brothers full range installation loudspeakers such as CAT214, R2, R3, R4 and FF2 series.

The CS18-II is designed with a single high output transducer that delivers a usable in-room frequency response down to 32 Hz.

The specially coated 18 in. cone provides 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 CS18-II 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

**CS18-II-WR** – Weather Resistant Model

**CS18-M** – Mobile Model with Integrated Dolly

Custom Rigging

Custom Colors Available

2-Position Terminal Strip

# CS18-II Subwoofer



## AUDIO SPECIFICATIONS

Loudspeaker Type	Single Driver Subwoofer	
Frequency Response (+/- 2dB)	Single Cabinet -10 dB Point	39Hz–180Hz 32Hz
Recommended Power Amplifier	1200–1800W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	100 dB SPL
Maximum Output	Cont. Peak	128 dB SPL 131 dB SPL
Drivers	LF	(1) 18 in. (457.2mm)
Nominal Impedance	LF	8 Ohms
Power Handling	Peak	1400W
Input Connection	Standard Optional	(2) EP-4 Connectors (1 Male, 1 Female) (1) 2-Position Terminal Strip

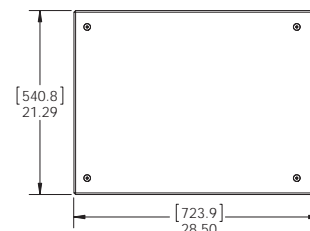
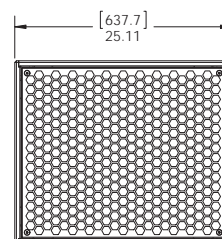
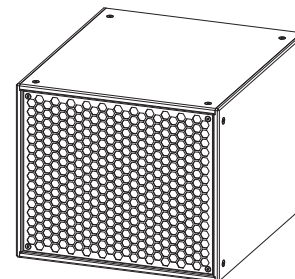
## MECHANICAL SPECIFICATIONS

Enclosure	Shell Finish	18mm Baltic Birch Black Epoxy Mastic
Grille	Perforated Steel, Foam Backed	
Dimensions	Height	21.29 in. (540.8mm)
	Width	25.11 in. (637.7mm)
	Depth	28.50 in. (723.9mm)
Weight	128 lbs. (58.1kg)	
Shipping Weight	143 lbs. (64.9kg)	
Rigging Attachments <sup>1</sup>	(16) 3/8 in. Suspension Points	

<sup>1</sup> Custom rigging hardware for integration with other Clair Brothers products available.

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.



### CS18-II EP-4 Pin Configuration

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

## ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a subwoofer system containing a total of one 18" driver in a single-chamber vented enclosure. Power handling capacity shall be 700 watts RMS nominal and 1400 watts peak. The low frequency driver 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 pass-band frequency range shall be at minimum, 39–180Hz with -10dB at 32Hz. The single 18" transducer 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 a black epoxy mastic finish. The cabinet shall include 16 suspension points. Dimensions shall be 21.29" high, 25.11" wide, and 28.50" deep. The system weight shall be 128 lbs. (58.1kg). The loudspeaker system shall be the Clair Brothers CS18-II.