



CS18-M Mobile Subwoofer



APPLICATIONS

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

FEATURES

Compact Size
Pole Mount Packages
High Output
LF Device: 18 in. (457.2 mm)
Integrated Transport Dolly
Durable Polyurea Coating
EP-4 & EP-8 Connectors

GENERAL DESCRIPTION

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

Its compact size makes it a perfect companion for a variety of Clair Brothers full range mobile loudspeakers such as R2D-III-M, F28-V, and FF2-H (see Traveller Packages).

The CS18-M 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-M is constructed of the finest Baltic birch plywood and features a durable polyurea-coated 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. Mobility is achieved with an integrated transport dolly board (pictured above).

OPTIONS

Traveller Packages / Vertical Pole Mount with Full Range Speaker choice of:
FF2-H / F28-V / R2D-III-M

CS18-II-WR – Weather Resistant Model

CS18-II – Installation Model

Custom Rigging

Custom Colors Available

Call or e-mail Clair Brothers for more information on available options.
(717-665-4000) e-mail: sales@clairbrothers.com

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AUDIO SPECIFICATIONS

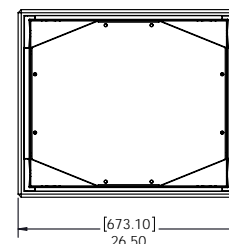
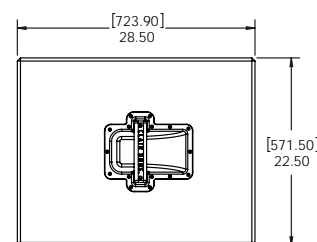
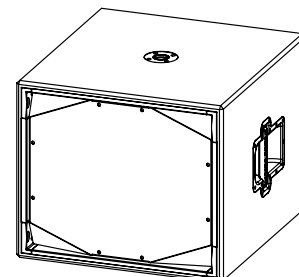
Loudspeaker Type	Single Driver Subwoofer	
Frequency Response (+/- 2dB)	Single Cabinet -10 dB Point	39Hz–180Hz 32Hz
Recommended Power Amplifier	1200–1800W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	100 dB SPL
Maximum Output	Cont. Peak	128 dB SPL 131 dB SPL
Drivers	LF	(1) 18 in. (457.2mm)
Nominal Impedance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

MECHANICAL SPECIFICATIONS

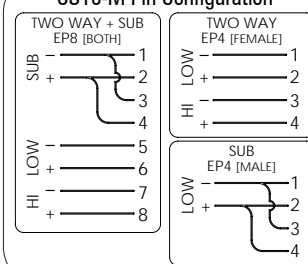
Enclosure	Shell	18mm Baltic Birch
	Finish	Durable Polyurea Coating
Grille	Perforated Steel, Foam Backed	
Dimensions	Height	22.50 in. (571.5mm)
	Width	26.50 in. (673.1mm)
	Depth	28.50 in. (723.9mm)
Weight	Cabinet	143 lbs. (64.9kg)
	+ Dolly Board	169 lbs. (76.7kg)
Shipping Weight	Cabinet	158 lbs. (71.7kg)
	+ Dolly Board	184 lbs. (83.4kg)
Rigging Attachments	(1) Integrated M20 x 2.5 threaded hole, 3/4" depth; for Full Range Pole Mount Integration: Pole height: 35.4 - 54.3 in. (900-1380mm)	

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-M Pin Configuration



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 durable polyurea coating. The cabinet shall include 16 suspension points. Dimensions shall be 22.50" high, 26.50" wide, and 28.50" deep. The system weight for loudspeaker alone shall be 143 lbs. (64.9kg), and including the integrated dolly board shall be 169 lbs. (76.7kg). The loudspeaker system shall be the Clair Brothers CS18-M.

CLAIR BROTHERS • ONE CLAIR BOULEVARD • MANHEIM, PA 17545 • 717-665-4000 • WWW.CLAIRBROTHERS.COM

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

