



12Sx Compact Subwoofer



APPLICATIONS

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

FEATURES

Compact Size
High Output
LF Device: 12 in. (304.8 mm)
(14) M10 Rigging Points
(1) M20 Pole Mount Socket
Epoxy Mastic Finish
(1) Recessed EP-4 Connector
& (1) 2-Position Terminal Strip

GENERAL DESCRIPTION

The Clair Brothers 12Sx is a newly designed installation subwoofer enclosure. The 12Sx provides surprisingly high output given its compact size. It is ideal for a variety of fixed installations where space-saving is a prime consideration; the 12Sx features a recessed rear input connector panel that allows the cabinet to be placed directly against a wall. The cabinet includes fourteen (14) M10 mounting points and a single M20 threaded pole mount plate on the top panel.

Its compact size makes it a perfect companion for a variety of Clair Brothers full range installation loudspeakers such as 5CX, 5CB, 8CX, R2 and FF2 series.

The 12Sx is designed with a single high output transducer that delivers a usable in-room frequency response down to 33 Hz.

The kevlar reinforced 12" 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 12Sx 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 acoustically transparent, water-resistant fabric.



OPTIONS

Custom Rigging
Custom Colors Available

12Sx shown with pole-mounted 8CX.

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AUDIO SPECIFICATIONS

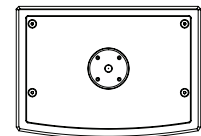
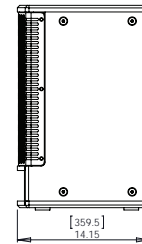
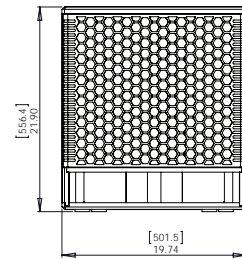
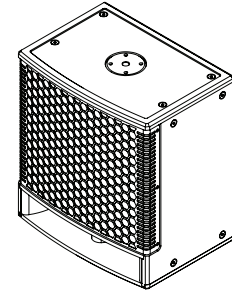
Loudspeaker Type	Single Driver Reflex Subwoofer	
Frequency Response (+/- 2dB)	Single Cabinet	33Hz–125Hz
	-10 dB Point	27Hz
Recommended Power Amplifier	1200–1800W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	97 dB SPL
Maximum Output	Cont.	121 dB SPL
	Peak	124 dB SPL
Drivers	LF	(1) 12 in. (304.8mm)
Nominal Impedance	LF	8 Ohms
Power Handling	Program	800W
	Peak	1200W
Input Connection	Standard	(1) Recessed EP-4 Connector & (1) 2-Position Terminal Strip

MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm Baltic Birch
	Finish	Black Epoxy Mastic
Grille	Steel (backed w/ Acoustically Transparent Water-Resistant Fabric)	
Dimensions	Height	21.90 in. (556.4mm)
	Width	19.74 in. (501.5mm)
	Depth	14.15 in. (359.5mm)
Weight	69 lbs. (31.3kg)	
Shipping Weight	TBD	
Rigging Attachments	(14) M10 Rigging Points (1) M20 Pole Mount Socket	

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.

PRELIMINARY



12Sx 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 12 in. driver in a single-chamber vented enclosure. Power handling capacity shall be 800 watts RMS program/nominal and 1200 watts peak. The low frequency driver shall be 12 in. diameter capable of handling 800 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, 33–125Hz with -10dB at 27Hz. The single 12 in. transducer shall have 2.5 in. 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 (14) M10 rigging points and (1) M20 pole mount socket. Dimensions shall be 21.90 in. high, 19.74 in. wide, and 14.15 in. deep. The system weight shall be 69 lbs. (31.3kg). The loudspeaker system shall be the Clair Brothers 12Sx.

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