



APPLICATIONS

kiT Series Low Frequency
Extension
Portable FOH PA Sub
Drum Monitor Sub

FEATURES

kiT Series Rigging
High Output
Durable Polyurea Coating
DSP / Amplifier Option:
kiT-Sub++
(2) XLRConnectors
(1 XLR-F In, 1 XLR-M Thru)

GENERAL DESCRIPTION

The Clair Brothers kiT-Sub+ is a newly designed mobile sub-low frequency loudspeaker. The kiT-Sub+ 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 design dimensions make it a perfect companion for the Clair Brothers kiT Series kiT12 and kiT15 products. Also compatible with a variety of Clair Brothers full range mobile loudspeakers such as 12CX, F28-V, and FF2-H.

The kiT-Sub+ is designed with a single high output transducer that delivers a usable in-room frequency response down to 41 Hz.

The proprietary 18 in. driver provides exceptional linear excursion. The result is a high power handling, high performance subwoofer that provides tightly controlled low-frequency extension.

The kiT-Sub++ is powered by an integrated power amplifier module that includes internal loudspeaker processing: Xover, EQ

and Limiter. The processing is factory programmed and provides the user with the choice between four presets that are specifically designed for various applications. It is also available without the integrated 3200W Amplifier+DSP, known as the kiT-Sub.

As with all Clair Brothers products, the kiT-Sub+ 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 a detachable integrated transport dolly board (not pictured above).

OPTIONS

Dolly Board

Custom Colors Available

Proprietary DSP + Amplification Rack Packages



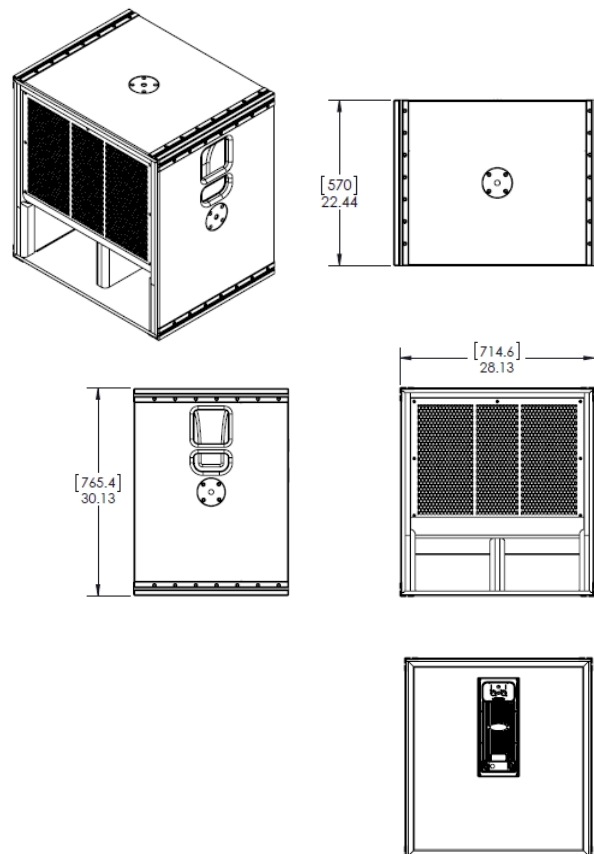
AUDIO SPECIFICATIONS

Loudspeaker Type	Single Driver Powered Sub / Bass	
Frequency Response	Single Cabinet (+/- 2dB)	41Hz-250Hz
Recommended Power Amplifier	2000-3500W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	101.5 dB SPL	
Maximum Output	Cont.	134 dB SPL
	Peak	137 dB SPL
Drivers	LF	(1) 18 in. (457.2mm)
Nominal Impedance	4 Ohms	
Power Handling	Cont.	1600 W
	Peak	3200 W
Input Connections (kiT-Sub++)	Signal	(2) XLRConnectors (1 XLR-F In, 1 XLR-M Thru)
	Power	(2) PowerCon-20aConnectors (1 PowerIn, 1 PowerOut)

MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm Baltic Birch
	Finish	Polyurea Black
Grille	Powder Coated Steel	
Dimensions	Height	30.13 in. (765.4mm)
	Width	28.13 in. (714.6mm)
	Depth	22.44 in. (570.0mm)
Weight	151 lbs. (68.5kg)	
Shipping Weight	160 lbs. (72.6kg)	

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.



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 1500 watts RMS nominal and 3000 watts peak. The low frequency driver shall be 18" diameter capable of handling 1500 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, 41-180Hz with -10dB at 36Hz. 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 subwoofer system shall feature an amplification and dsp module capable of providing 4 user settings with the following audio specifications: 48kHz, 24-Bit rate - X/Over, EQ, Delay, Peak and RMS Limiting with amplification of 1600W Cont. 3200W pk. The enclosure shall be constructed of 18mm, 13-ply Baltic birch and be covered with a durable polyurea coating. The cabinet shall include integral kiT Series Rigging Corner suspension points. Dimensions shall be 30.13" high, 28.13" wide, and 22.44" deep. The system weight for loudspeaker alone shall be 151 lbs. (68.5kg). The loudspeaker system shall be the Clair Brothers kiT-Sub+.