

kiT12

Full-Range Passive/Active Multipurpose Loudspeaker



The kiT12 has been designed and engineered to be a high output, full-range loudspeaker that's ideal for speech and music reproduction in portable or permanent applications. The kiT12 is one of Clair Brothers most versatile full range loudspeakers. Exceptional intelligibility, high output performance and durability make the kiT12 an excellent choice for virtually any indoor or outdoor application. The kiT12 has the flexibility to be mounted horizontally or vertically, pole mounted, or pole mounted on a subwoofer base.

The kiT12 features a 12-inch neodymium low frequency driver and a 3-inch neodymium high frequency compression driver. A standard 90° x 40° rotatable horn or an optional 60° x 40° rotatable horn deliver smooth, uniform coverage in both near-field and medium throw applications. The standard model includes a rear input connector and control panel that features one male EP-4 and one female EP-4 connector as well as a 4-position terminal strip. The system can be operated in either two-way active or passive modes selectable by an external pair of jumpers. The frequency response is

63 Hz - 20 kHz (+/-3dB). An integral fixed angle 0° pole mount and aluminum kiT Rigging Corners provide the flexibility to configure the kiT12 in the most demanding applications. The enclosure is constructed of premium Baltic birch plywood and has two integrated handles providing secure grips to safely handle the loudspeaker. A heavy-duty perforated, powder coated steel grille, backed with foam, and weather-resistant components ensure reliability in harsh environmental conditions. A textured polyurea paint provides a durable, attractive finish.

As with all Clair Global loudspeaker products, the kiT12 is designed and engineered with pride in the USA.

APPLICATIONS

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

FEATURES

Two-Way Active/Passive (Selectable)
LF Device: (1) 12 in. (304.8 mm)
HF Device: (1) 3 in. (76.2 mm)
Max Output: 126 dB SPL
90° x 40° Rotatable
Integrated Pole Mount
Two Integrated Handles
(2) EP-4 Connectors (1-M, 1-F)
4-Position Terminal Strip

OPTIONS & ACCESSORIES

60° x 40° Rotatable Horn
Variable Tilt Adapter Sleeve (+/- 15°)
Rugged "Clam Shell" Case (2) kiT12

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Call or e-mail Clair Global for more information on available options.
717.626.4000 | e-mail: product@clairglobal.com

AUDIO SPECIFICATIONS

Loudspeaker Type	Point Source	Two-Way Active/Passive (Selectable)
Frequency Response		63 Hz - 20 kHz (+/-3 dB)
Recommended Power Amplifier ¹		Lab.gruppen D120:4L ¹
Compatible Subs		kiT-Sub-II, kiT-Sub-II+
Prediction Software		Clair GLL/AFMG Ease Focus™
Processing, Configuration & System Optimization Software		Lake Controller® with Clair DSP, WiFi System Control
Maximum Output ²		129 dB SPL @ 1 M Bandpass Dependent ²
Drivers	LF HF	(1) 12 in. (304.8 mm) Cone Driver (1) 3 in. (76.2 mm) Compression Driver
Nominal Impedance	LF HF	8 Ohms 16 Ohms
Power Handling	Program (AES) Peak	500W 150 W
Directivity	Standard Optional	90° x 40° (Rotatable) 60° x 40° (Rotatable)
Input Connection	Standard Install Option	(2) EP-4 Connectors (1 Male, 1 Female) (1) 4-Position Terminal Strip (1) 4-Position Terminal Strip

MECHANICAL SPECIFICATIONS

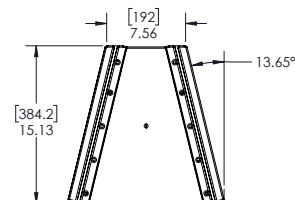
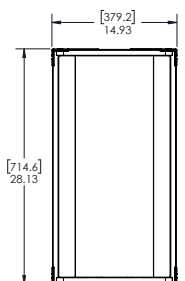
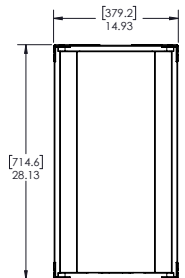
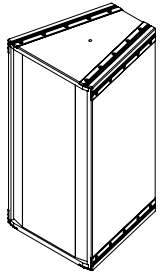
Enclosure	Shell Finish	Baltic Birch Plywood Textured Polyurea Finish
Rigging		kiT Rigging Corners
Grille		Powder Coated Steel, Foam Backed
Dimensions	Height Front Width Rear Width Depth	28.13 in. (715 mm) 14.80 in. (376 mm) 7.75 in. (197 mm) 15.20 in. (386 mm)
Weight		64 lbs. (29 kg)
Shipping Weight		74 lbs. (34 kg)

1) Minimum recommended amplifier to achieve the designed acoustic performance.

2) Maximum SPL calculated based on peak power from specified amplifier and preset, combined with measured 1w/1m sensitivity, 12dB crest factor.

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

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



ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way active/passive (selectable) full-range, multipurpose system for portable or permanent installation. The low frequency component shall be a 12-inch weather-resistant neodymium driver with a 3-inch copper wound voice coil. The high frequency section shall contain a single 3-inch diameter voice coil mounted to a rotatable 90° x 40° or optional rotatable 60° x 40° constant-directivity horn. The frequency response shall be 63 Hz - 20 kHz (+/-3 dB). The input connectors shall be two EP-4 connectors (1 Male, 1 Female) and a 4-position terminal strip. The loudspeaker shall be user selectable to operate in either passive or active modes by way of external pairs of jumpers. There shall be two integrated handles, kiT Rigging Corner suspension points and a fixed angle pole mount. The enclosure shall be vented and be trapezoidal in geometry constructed of premium Baltic plywood. The front of the enclosure shall be fitted with a perforated powder coated steel grille backed with foam. The cabinet shall be finished using a textured polyurea paint. The loudspeaker shall be H: 28.13 in. (715 mm) x W: Front: 14.80 in. (376 mm) Rear: 7.75 in. (197 mm) x D: 15.20 in. (386 mm) and weigh 64 lbs. (29 kg). The loudspeaker shall be the Clair Global kiT12.

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

kiT12 Passive Pin Configuration	
EP-4 PIN	USE
1 & 3	(-)
2 & 4	(+)
Terminal Strip	USE
Black	Low (-)
Black	High (-)
White	High (+)
Red	Low (+)

kiT12 Active Pin Configuration	
EP-4 PIN	USE
1	Low (-)
2	Low (+)
3	High (-)
4	High (+)
Terminal Strip	USE
Black	Low (-)
Red	Low (+)
Black	High (-)
White	High (+)