GTO C-12

The Outline GTO C-12 is a compact line-source enclosure designed to provide a flexible, powerful and almost infinitely configurable loudspeaker system for professional sound reinforcement applications. It has been developed in response to customer demand for a multi-purpose loudspeaker system that can be efficiently transported and deployed, but still produce the power, intelligibility and control necessary to handle a wide range of events and locations.





Cena:
Kategorie: Audio, Scena, Głośniki, Instalacje AV, Nagłośnienie obiektów

GALLERY IMAGES












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It is a direct descendent of the mighty GTO, a system which, since its launch in 2011, has wowed production managers and sound engineers all over the world with its combination of visceral power and precision coverage. GTO C-12 develops the high transducer density concept pioneered by GTO by packing eight drive units into a remarkably compact cabinet, containing two 12” low frequency drivers, four 6.5” midrange units and two 3”-throat compression drivers, mounted on the same award-winning DPRWG waveguide found in its big brother.

GTO C-12 retains a key element from GTO in the V-shaped front baffle for which we were awarded an international design patent in 2002, and to which we refer as the ‘V-Power Concept’. This ground-breaking idea facilitates superior acoustical coupling between high-frequency modules, thus producing a smooth yet extended HF response. It also creates the ideal ‘unbroken baffle’ shape through an array which minimises diffraction and deterioration, especially in the far field.

The C-12 cabinet is 21.6% smaller in the vertical plane than the GTO, while overall cabinet weight has been reduced by a remarkable 30% – in addition to some clever engineering, our use of a special aluminum alloy for the integral rigging hardware contributes to this major weight saving. This unique system also provides twelve different adjustment settings in the angle between connected GTO C-12 cabinets, adding further to the real-world flexibility and adaptability of the loudspeaker.

With its technology derived completely from the large format dual 15” GTO, the new GTO C-12 produces output power surpassed only by its ‘big brother’. The footprint of the new cabinet is exactly the same as all the other modules in the GTO range, allowing full mechanical compatibility with GTO, GTO-SUB, GTO-LOW and GTO-DF in terms of rigging, flying hardware and wheelboards. GTO C-12 is also fully compatible with the Outline DBS and LAB21 subwoofers, and we can supply suitable DSP controller presets for any combination of GTO C-12 and Outline subwoofers.

GTO C-12 shares a common voicing with our other concert-series products, allowing them to be freely integrated to create system designs to handle any application.

Features

- Compact high-power full range line-source element to form part of the GTO turnkey solution.
- Light weight; 12 elements with 1 GTO DF from a single 1 ton chain motor.
- High efficiency full range element incorporating 2 x 12” LF drive-units, 4 x 6.5” MF drive-units and 2 x 3” diaphragm HF drivers on a D.P.R.W.G. waveguide, coupled to an Outline ‘V-Power’ baffle.
- Very high power handling (3200 LF + 2400 MF + 1000 HF watts AES peak) and sound pressure (147.5 dB SPL peak @ 1 metre – full space).
- Equipped with the high-precision, lightweight, integrated GTO rigging system to allow accurate aiming and coverage.
- Design file available within the ‘Open Array’ 3D acoustic simulation software.

- Designed as a stand-alone compact full range section within the GTO range
- Can be used individually as fills or combined to create main FOH, side hang or delay systems.
- Ideal for theatre, arena, festival and stadium productions

FREQUENCY RESPONSE (-10 dB)	45 Hz – 18 kHz
AVERAGE DISPERSION	Horizontal: 90° Vertical: Depending on array configuration
IMPEDANCE	Low: 2 x 8 Ω (min 2 x 6 Ω) Mid: 8 Ω (min 6.6 Ω) High: 16 Ω (min 16.6 Ω)
POWER – WAES	Low: 2 x 400 (2 x 1600 peak) Mid: 600 (2400 peak) High: 250 (1000 peak)
MAX SHORT-TERM SPL @ 1 m, free-field*	147.5 dB SPL
LOUDSPEAKERS AND LOADING	Low: 2 x 12″ NdFeB Hybrid band-pass loaded woofers Mid: 4 x 6.5″ NdFeB partially horn loaded mid woofers High: 2 x 3″ diaphragm NdFeB compression driver loaded by 2 D.P.R.W.G.
WEIGHT – SINGLE UNIT	72.5 kg (160 lb)
DIMENSIONS (Net)	Height: 363 mm (14 9/32″) Width: 1126 mm (44 11/32″) Depth: 655 mm (25 25/32″)
DIMENSIONS (With Pins)	Height: 363 mm (14 9/32″) Width: 1181 mm (46 1/2″) Depth: 655 mm (25 25/32″)
	* calculated using +10 dB crest-factor signal