MACKE.

C300z

PRECISION PASSIVE LOUDSPEAKER

C300z

Featuring legendary Mackie sound quality and durability, the lightweight C Series 2-way Precision Passive loudspeakers deliver optimum performance in portable PA, stage monitor and permanent installation applications. The C300z is a full-range portable loudspeaker providing high-output, ultra-wide dispersion and low-distortion performance in a compact, composite molded enclosure.

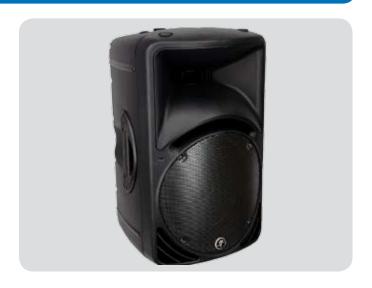
A heat-treated titanium compression driver with multi-cell aperture directs pristine highs through an exponential high-frequency waveguide, allowing for ultra-wide dispersion of highs and mids. In fact, the C300z can deliver clear, smooth sound to audience members up to 45° off axis.

The custom-designed high-power 12-inch woofer can take a pounding, plus its 3-inch voice coil allows the driver to run cooler, delivering consistent performance even after long hours of use at near peak volumes.

The crossover in the C300z is a unique Low Impedance Compensated Crossover (LICC) design. With EQ and crossover points meticulously chosen so that beamwidth patterns match in both drivers, C300z loudspeakers offer natural sound at all volume levels.

The center of gravity, handle locations, handle design, position of fly-points and ease of use have been ergonomically designed. There is also an integrated pole mount on the bottom of the cabinet and a weather-resistant steel grille. The asymmetrical trapezoidal cabinet has been designed to provide an ideal floor monitoring position.

The cabinet is constructed of high-pressure injected polypropylene. The enclosure features reinforcement ribbing and structural strengthening resulting in a strong, superrigid design providing ideal acoustical characteristics.



FEATURES:

- 2-way portable Precision Passive loudspeaker system
- \blacksquare 750W / 300W RMS peak power handling at 8 Ω
- 12" long-throw low-frequency transducer with 3" voice coil
- High-output 1.75" titanium compression driver
- Ultra-wide, smooth dispersion via multi-cell horn aperture and constant directivity horn
- Integrated Low Impedance Compensated Crossover (LICC) with full driver protection
- Lightweight for ultimate portability (46 lb / 20.9 kg)
- Asymmetrical trapezoidal cabinet for floor monitor positioning
- Stand / Pole-mountable
- Flyable via ten M10 rigging points using the optional eyebolt kit

APPLICATIONS

Small to mid-size club/band PA systems, houses of worship, DJs, vocal/band monitor wedges, gymnasiums, banquet halls, conference rooms and many, many more.

MACKIE®.

C300z

PRECISION PASSIVE LOUDSPEAKER

C300z SPECIFICATIONS

-								
- //	CO	usti	D,	ort	nr	mo	m	CO

Frequency Response (-3 dB)	55 Hz-18 kHz
Frequency Range (-10 dB)	45 Hz-20 kHz
Max SPL long-term	123 dB @ 1 m
Low-Frequency Crossover Type	24 dB / octave, time offset corrected
High-Frequency Crossover Type	24 dB / octave
Crossover Point	1800 Hz

Audio

Input / Thru Connector Type	Speakon™-style NL-4 jack 1/4" TS jack
Input Impedance	8Ω
Power Handling	
RMS	300 watts
Music	500 watts
Peak	750 watts

Low-Frequency Transducer

Diameter	12 in / 300 mm
Voice Coil Diameter	3 in / 75 mm
Magnet Material	Ferrite

High-Frequency Transducer

Diaphragm Diameter	1.75 in / 44.5 mm
Diaphragm Material	Heat treated titanium
Horn Exit Diameter	1 in / 24.5 mm

Horn Design

Туре	Conical and Exponential
Mouth Size	12 in / 305 mm (W) x 7 in / 178 mm (H)
Horizontal Coverage	90° (1 kHz - 20 kHz)
Vertical Coverage	45° (2.8 kHz - 20 kHz)

Safety Features

Over-Excursion Protect	ction	Second-order high-pass filter
Driver Protection	Dynamic	protection for compression driver

Construction Features

Basic Design		Asymmetrical Trapezoidal
Material		Polypropylene
Finish		Black, textured finish
Handles	One on each side, one on top	
Grille	Perforated metal with weather-resistant coating	
Operating Temperature Range		–10° C to 45° C
· · · · ·		14° F to 113° F

Physical Properties (packaged product)

Height	26.5 in / 673 mm
Width	16.8 in / 427 mm
Depth	15.5 in / 394 mm
Shipping Weight	52.0 lb / 23.6 kg

Physical Properties (product)

Height	26.1 in / 663 mm
Width	16.0 in / 406 mm
Depth	14.8 in / 376 mm
Net Weight	46.0 lb / 20.9 kg

Mounting Methods

Floor mount, pole mount, or fly via 10 integrated M10 threaded inserts (two each located on each side, top, bottom and rear of enclosure)

Options

PA-A1 forged shoulder eyebolt kit (4 x M10 x 1.5 mm x 20 mm)			
	P/N 0031943		
SPM200 Loudspeaker Pole Mount	P/N 2035170-01		

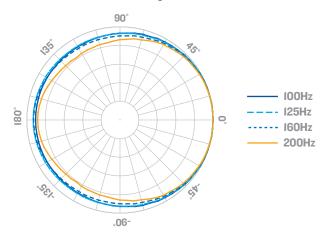
Ordering Information

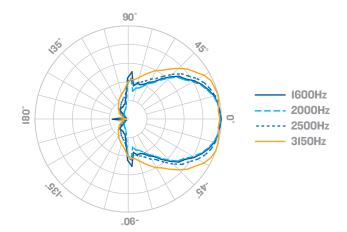
C300z Passive, 2-way Loudspeaker	P/N 2033793
C300z Passive, 2-way Loudspeaker, CN	P/N 2033793-05

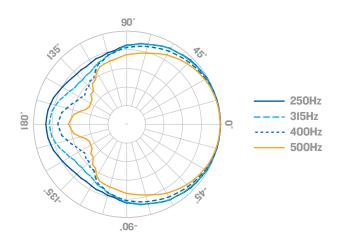
MACKIE.

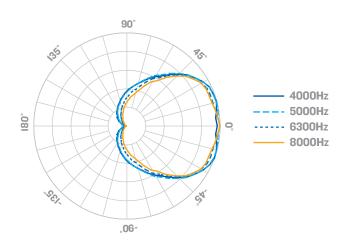
C300z HORIZONTAL POLARS

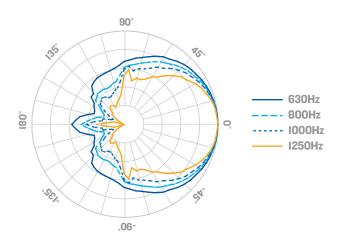
Gridlines: 6 dB axial / 15 degrees radial

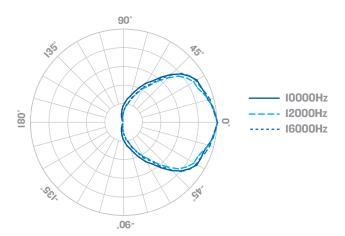






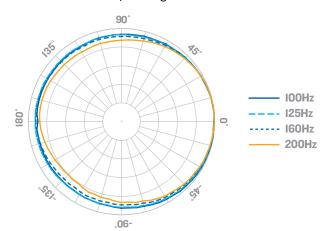


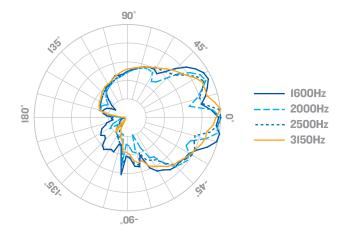


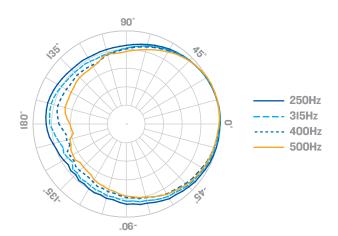


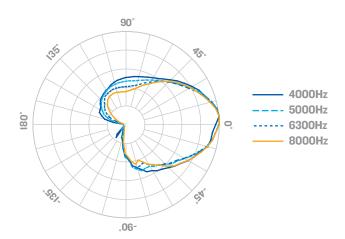
C300z VERTICAL POLARS

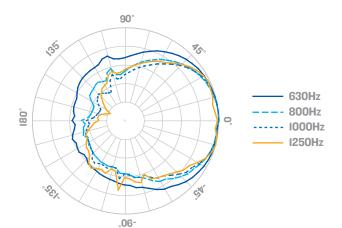
Gridlines: 6 dB axial / 15 degrees radial

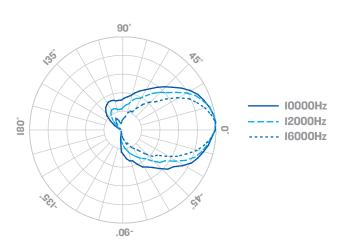




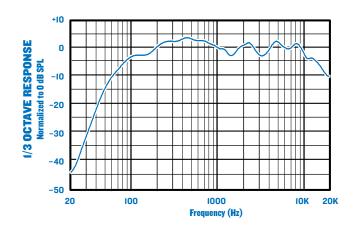




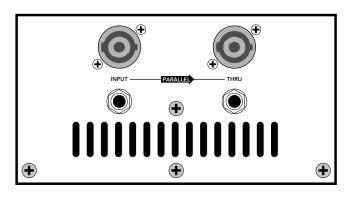




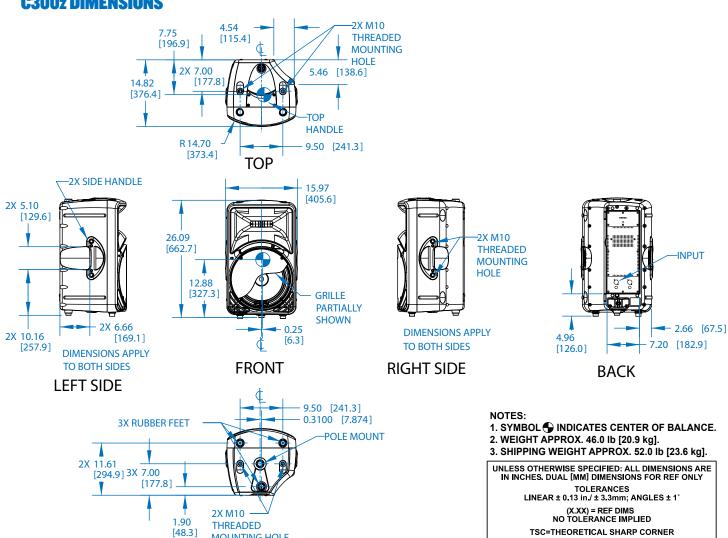
C300z FREQUENCY RESPONSE



C300z INPUT PANEL



C300z DIMENSIONS



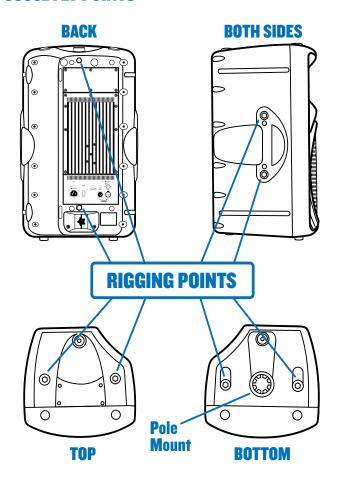
MOUNTING HOLE

BOTTOM

DIMENSIONS ACROSS CENTERLINES

TO BE SYMMETRICAL

C300z FLY POINTS



MACKIE.

www.mackie.com I6220 Wood-Red Road NE Woodinville, WA 98072 USA 800-898-3211, Fax 425-487-4337, sales@mackie.com

Part No. SW0768 Rev. B 06/I0

Electronic files for this product are available at: www.mackie.com

Specification Sheet	C300z_SS.PDF
Owner's Manual	C300z OM.PDF

Since we are always striving to make our products better by incorporating new and improved materials, components, and manufacturing methods, we reserve the right to change these specifications at any time without notice. "Mackie" and the "Running Man" figure are registered trademarks of LOUD Technologies Inc. All other brand names mentioned are trademarks or registered trademarks of their respective holders, and are hereby acknowledged.

©2010 LOUD Technologies Inc. All Rights Reserved.

