

C300z SPECIFICATIONS

System Specifications

<i>Frequency Response (-3 dB)</i>	55 Hz – 18 kHz
<i>Frequency Range (-10 dB)</i>	45 Hz – 20 kHz
<i>Maximum SPL Long-term @ 1m</i>	123 dB
<i>Low-Frequency Crossover Type</i>	24 dB/octave, time offset corrected
<i>High-Frequency Crossover Type</i>	24 dB/octave
<i>Crossover Frequency</i>	1800 Hz

Audio

Input Type:	Speakon®-style NL4 jack 1/4-inch TS phone jack
Input Impedance	8 ohms
Power Handling	rms: 300 watts music: 500 watts peak: 750 watts
Operating Temperature Range	-10°C to 45°C (14°F to 113°F)

Transducer Specifications

Low-Frequency Transducer

<i>Diameter</i>	12 in/300 mm
<i>Voice Coil Diameter</i>	3.0 in/75 mm
<i>Sensitivity (1W@1m)</i>	98 dB
<i>Nominal Impedance</i>	8 ohms
<i>Power Handling</i>	300 watts
<i>Frequency Range</i>	50 Hz – 3000 Hz

High-Frequency Driver and Horn

<i>Diaphragm Diameter</i>	1.75 in/44.5 mm
<i>Exit Throat Diameter</i>	1 in/24.5 mm
<i>Diaphragm Material</i>	Titanium
<i>Sensitivity (1W@1m)</i>	106 dB
<i>Nominal Impedance</i>	8 ohms
<i>Power Handling</i>	150 watts
<i>Frequency Range</i>	1000 Hz – 20000 Hz
<i>Horn Type</i>	Composite: Exponential and Conical
<i>Mouth Size</i>	12 in/305 mm W x 7 in/178 mm H
<i>Horizontal Coverage</i>	90° ± 10° (1 kHz – 20 kHz)
<i>Vertical Coverage</i>	45° ± 10° (2.8 kHz – 20 kHz)

Safety Features

<i>Over-Excursion Protection</i>	Second-Order High-Pass Filter
<i>Driver Protection</i>	Dynamic protection for compression driver

Construction Features

<i>Basic Design</i>	Asymmetrical Trapezoidal
<i>Enclosure Alignment</i>	Sixth-Order
<i>Material</i>	Polypropylene
<i>Finish</i>	Grey, textured finish
<i>Handles</i>	One on each side, one on top
<i>Mounting Methods</i>	Integrated mounting points, M10 Two located on each side, top, bottom, and rear of enclosure
<i>Grille</i>	Perforated metal with weather- resistant coating

Physical Properties

Height	26 in/660 mm
Width	15.4 in/390 mm
Depth	14.8 in/376 mm
Weight	43 lbs/19.5 kg

Options

PA-A1 forged shoulder eyebolt hardware
(M10 x 1.5 mm x 20 mm)

Disclaimer

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.

©2004-2005 LOUD Technologies Inc.
All Rights Reserved.

