



Mackie C300 Speaker



MACKIE C300 Specs

C300 SPECIFICATIONS

Transducer Specifications

Low-Frequency Transducer:

Diameter 300mm (12")

Voice Coil Diameter 76.2mm (3")

Sensitivity (1W@1m) 98 dB

Nominal Impedance 8 ohms

Power Handling 300 watts

Frequency Range 50Hz - 3000Hz

Hi-Frequency Driver and Horn:

Diaphragm Diameter 44.5mm (1.75")

Exit Throat Diameter 24.5mm (1")

Diaphragm Material Mylar

Sensitivity (1W@1m) 106 dB

Nominal Impedance 8 ohms

Power Handling 150 watts

Frequency Range 1000Hz - 20,000Hz

Horn Type Composite: Exponential and Conical



Mouth Size 304.8mm (12") W x 177.8mm (7") H
Horizontal Coverage $90^{\circ} \pm 10^{\circ}$ (1kHz - 20kHz)
Vertical Coverage $45^{\circ} \pm 10^{\circ}$ (2.8kHz - 20kHz)

System Specifications

Input Type (C300i) 1/4-inch phone jack
Input Type (C300) Speakon®
Input Impedance 8 ohms
Maximum Input Power 300 watts
Enclosure Alignment Sixth-Order
Over-Excursion Protection Second-Order
High-Pass Filter
Acoustic Frequency Response 70Hz - 16,000Hz
Low-Frequency
-3 dB Point 55Hz
Maximum SPL @ 1m 126 dB
Low-Frequency
Crossover Type 24 dB/octave,
time offset corrected
High-Frequency Crossover Type 24 dB/octave
Crossover Frequency 1800Hz
Driver Protection Dynamic protection for compression driver
Operating Temperature Range $-10^{\circ} \text{C} - 45^{\circ} \text{C}$
($14^{\circ} \text{F} - 113^{\circ} \text{F}$)

Physical Properties

Height 66.0cm (25.98")
Width 39.6cm (15.58")
Depth 37.5cm (14.75")
Weight 19.5kg (43lbs.)
Enclosure Geometry Asymmetrical Trapezoidal
Mounting Methods Integrated mounting points,
(10mm x 1.25mm)
Two each located on each side, top, bottom, and rear of enclosure