

CORNERE AUDIO

PASSIVE SUBWOOFER C18NC

DESCRIPTION

C18NC is an advanced passive subwoofer designed for installation in high output applications where sub bass extension to 20 Hz is needed. The 18" woofer feature a 4" coil with very long linear stroke. The low profile of the advanced neodymium magnet reduces turbulence behind the cone and adds to a very clean bass reproduction. The 4" interleaved sandwich voice coil has windings on both the outer and inner surfaces to achieve a mass balanced coil, resulting in excellent control.

The magnetic structure has been optimized using a FEA resource that maximized the flux density in the voice coil gap. Excellent heat dissipation has also been achieved by incorporating air channels between the basket and the magnetic top plate, with the motor featuring a demodulating ring placed into the magnetic structure for reducing intermodulation distortion, while improving the transient response.

The MDF cabinet features non-reflective paint, recessed heavy-duty speaker connections and a micro perforated 2mm steel grille.

C18S is a unique subwoofer, offering fast, tight and controlled bass response to the very edge of the audible spectrum.



FEATURES

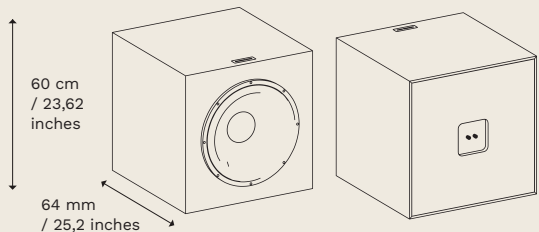
- 18" woofer with 4" coil
- 22mm MDF cabinet
- Sealed design
- Optional steel grille

COLOURS

Black, Silk white and custom colour



SPECIFICATIONS



Power handling, IEC268	1200 watt
Power handling, peak	2400 watt
Sensitivity, 2,83V/1m	88 dB
Maximum SPL, long term	118 dB
Maximum SPL, peak	124 dB
Frequency response	21-400 Hz
Nominal impedance	4 ohm
Connections	Heavy duty screw terminal
Dimensions	(HxWxD) 600x600x600mm
Weight	38 kg

ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall consist of a 18" woofer with a 4" interleaved voice coil and a weather proff cone. The cabinet shall be sealed made in high quality MDF with recessed havey duty terminals.

Performance specifications of a typical production shall be as follows: SPL at 1m with 2.83 V input shall be at least 88 dB. Nominal impedance shall be 4 ohms, with minimum impedance being 3,5 ohm @ 75 Hz.

Rated power handling according to IEC 268-5 shall be at least 1.200 watt.

Frequency response shall be from 21-400Hz +/- 3 dB. The enclosure shall be painted in a non-reflective paint. Outside dimensions shall be no greater than 600mm (height) x 600mm (width) x 600mm (depth) and weight shall be 38kg. The loudspeaker system shall be the Cornered Audio C18NC.