Professional Series

Key Features:

- Consistent 90° broadband pattern control.
- Components
  - Kevlar-reinforced 300 mm (12 in) woofer with 75 mm (3 inch) voice-coil cone.
  - Medium-format compression driver.
- Extraordinary clarity for speech and vocals with extended frequency response for music.
- Power handling of 400 Watts with high sensitivity provides high SPL capability.
- Advanced high-slope crossover network for constant coverage and smooth, natural midrange.
- Clean, contemporary grille and optional backbox available.

Applications:

Control 322C and Control 322CT deliver exceptional next-generation performance in a coaxial point source design ceiling loudspeaker. The low frequency cone performs as a true 12 inch (300 mm) diameter waveguide for the high frequencies. A unique metal throat transitions seamlessly to the horn to eliminate high frequency beaming which is common among this category of speaker. The result is a co-axial speaker with extremely consistent 90° coverage on a broadband basis.

Component features include a Kevlar-reinforced low frequency cone for reliability, well-damped surround for smooth frequency response, high temperature 75 mm (3 in) voice coil and a reduced distortion design through saturated-gap magnet geometry. The high efficiency medium-format high compression driver features a radial slot phase plug for a smooth, extended high frequency response, along with a neodymium magnet for low installation weight.

The Control 322C and Control 322CT are easy to install. The innovative EZRail™ feature built into the metal baffle temporarily holds one side of the speaker baffle in place until the installer can affix the baffle to the backcan with screws. The removable multi-pin locking connector, with secure screw-down terminals, allows for pre-wiring the input wires for easy clip-on convenience during installation.

The clean, contemporary look of the optional MTC-300SG12 square grille is designed to suit high-end venues, offering a simple, elegant appearance that fits into a wide variety of décors.

The optional, best-in-class, MTC-300BB12 three cubic foot backcan is made of extra-thick 16 gauge steel and lined with 12 mm (½ in) medium density fiberboard to provide the performance of a top quality wood loudspeaker cabinet in a metal backbox form factor.

The transformer version Control 322CT comes with a pre-attached top quality, low saturation 100 Watt multi-tap transformer for use on 70V or 100V distributed speaker systems.

To ensure long life and reliability, Control 322C/CT passes JBL’s 100-hour torture power test. Nobody in the industry has a 100-hour torture test. Nobody in the industry has a 100-hour torture test for music. Nobody in the industry has a 100-hour torture test for music. Nobody in the industry has a 100-hour torture test for music. Nobody in the industry has a 100-hour torture test for music.
Control® 322C/CT High-output 12" Coaxial Ceiling Loudspeaker

Beamwidth:

Directivity Index:

Frequency Response:
Half-space (2π, mounted in ceiling) in 3 cu ft backbox

Conical Off-Axis Frequency Response:

All measurements obtained with no signal processing. Graphics are from unaltered measurement data

Dimensions:

MTC-300SG12 Grill (optional):

Transformer on CT Model Only

Dimensions in inches (mm)