

# C3108-96

## TWO WAY PASSIVE SPEAKER SYSTEM



### MAIN APPLICATIONS

- Permanent installations
- Main reinforcement in small spaces
- High-level AV playback
- Zone delay and fill systems
- Under balcony installations

### MAIN FEATURES

- Very high efficiency design
- One 8" high-output RCF PRECISION woofer
- One 1" RCF PRECISION compression driver
- 90° x 60° CMD ('Constant Matching Design') constant directivity horn
- Rotatable horn for horizontal mounting
- Trapezoidal enclosure made of 12 mm birch plywood
- HF driver with 'Active Mosfet Compression Driver Protection' (AMCDP)
- 'Low Impedance Compensated Crossover' (LICC)
- Rigging inserts: 6 x M8 (rear), 2 x M10 (lateral)
- 2 (top and bottom) multiplates for mounting

### DESCRIPTION

C3108-96 belongs to RCF ACUSTICA - NEW COMPACT SERIES and is a full range extremely versatile wide-dispersion, low-profile, two-way loudspeaker system offering substantial power and efficiency for several professional applications that include permanent installations, main reinforcement in small spaces, plus portable systems and supplementary fill for larger systems. Its compact size makes it ideal for low visibility side wall or under balcony mounting.

RCF exclusive 'Constant Matching Design' technology helps guarantee an optimal transition between the high frequency horn polar pattern and the low frequency woofer directivity.

The horn can be rotated, allowing to install the loudspeaker either vertically or horizontally.

The hi-frequency transducer is a 1" RCF PRECISION compression driver with a 1.5" voice coil for smooth, wide dispersion.

The low-frequency transducer is an 8" RCF PRECISION woofer with a 2" voice coil.

The system includes a high-level crossover network that features markedly lower (than conventional) induction values in series with the woofer. This innovation is named LICC ('Low Impedance Compensated Crossover': its benefits are delay reduction, reduced phase shift and superior transient response.

Dynamic high-frequency driver protection is accomplished with a new RCF exclusive - 'Active Mosfet Compression Driver Protection System' (AMCDP), chosen to complement the driver power curve.

The cabinet is made of Baltic birch (heavy duty painted) and allow different installation options, as it is equipped with top and bottom 'Multiplates' for either wall or suspended mounting with chains.

Installation points are available on its rear panel as well.

The steel front grille is protected with a double layer polyurethane fabric.

The front RCF logo is easily rotatable.

Connections are made through two Neutrik Speakon NL4 connectors (audio input and parallel link output).

### SYSTEM

Model:	C3108-96
Part number:	13000281
Frequency response (-10 dB):	70 Hz ÷ 20 kHz
Horizontal coverage angle (-6 dB):	90°
Vertical coverage angle (-6 dB):	60°
Directivity factor (Q):	10
Sensitivity (1 W, 1 m):	95 dB
Max. SPL (peak power, 1 m):	126 dB
Impedance:	8 Ω
Power:	300 W (RMS), 1200 W (peak)
Recommended amplifier:	600 W
HF protection:	dynamic
Crossover:	2 kHz

### TRANSDUCERS

#### Low frequency range

Transducer:	8" woofer with 2" voice coil
Impedance:	8 Ω
Power:	200 W (AES), 400 W (peak)
Sensitivity (1 W, 1 m):	94 dB

#### High frequency range

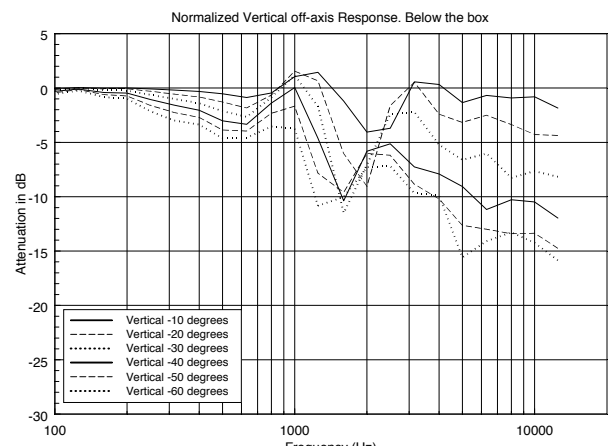
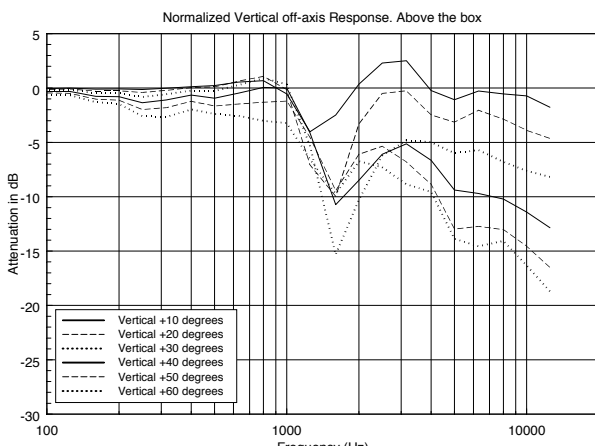
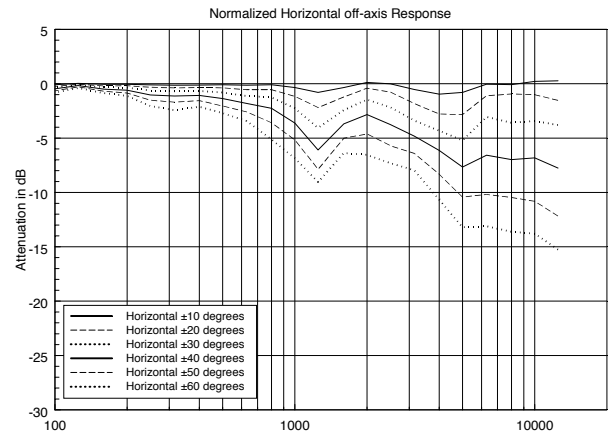
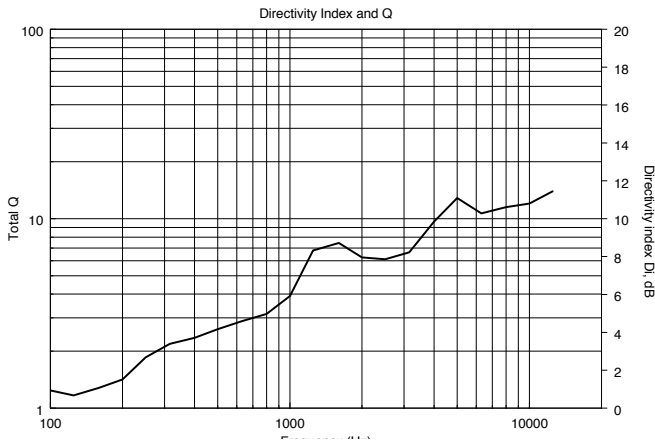
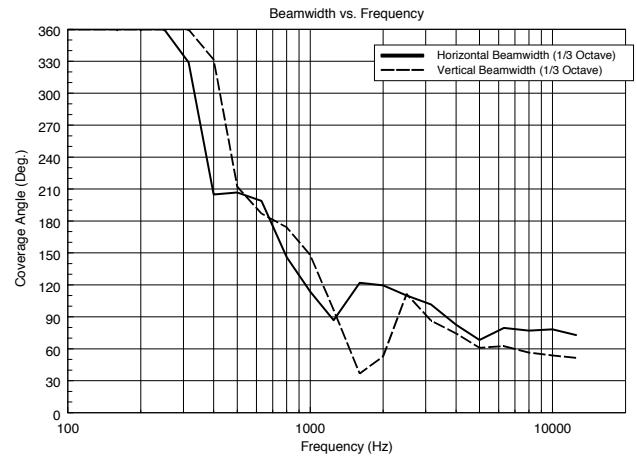
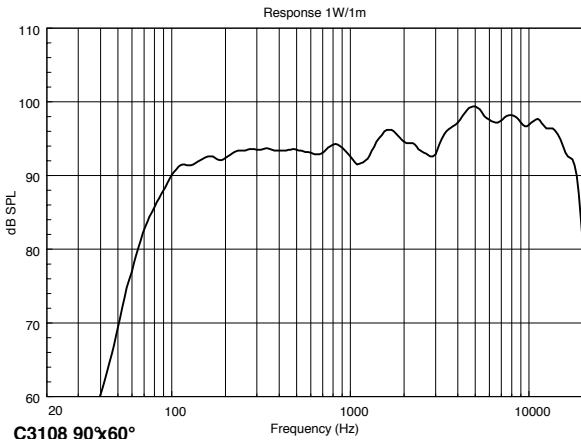
Transducer:	1" driver with 1.5" voice coil
Impedance:	8 Ω
Power:	25 W (AES), 50 W (peak)
Sensitivity (1 W, 1 m):	106 dB

### PHYSICAL

Enclosure:	trapezoidal, 20° side angles, 12 mm birch plywood construction
Rigging inserts:	6 x M8 (rear), 2 x M10 (lateral), multiplates (top and bottom)
Colour:	black
Grille:	perforated powder-coated steel covered with double layer polyurethane fabric
Input connectors:	2 x SPEAKON® NL4
Dimensions (w, h, d):	9.53", 16.81", 10.35" (242, 427, 263 mm)
Weight:	29.9 lbs (12.2 kg)

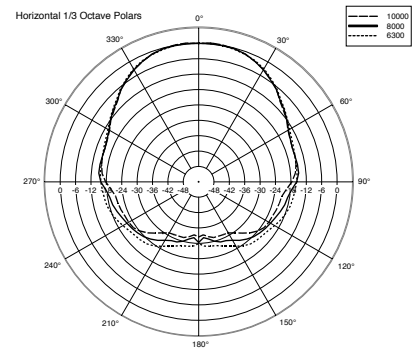
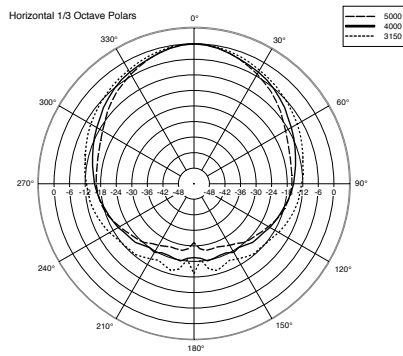
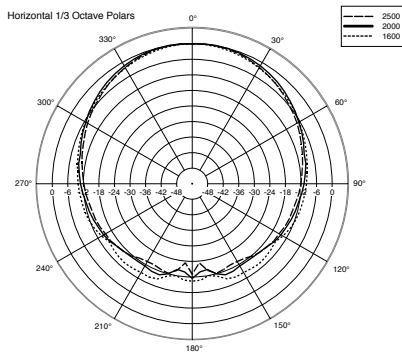
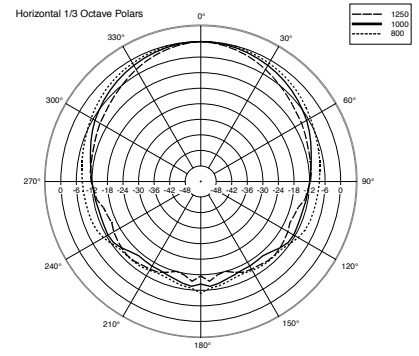
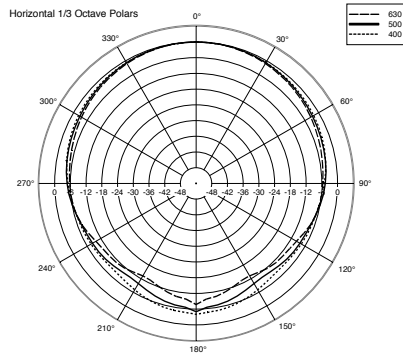
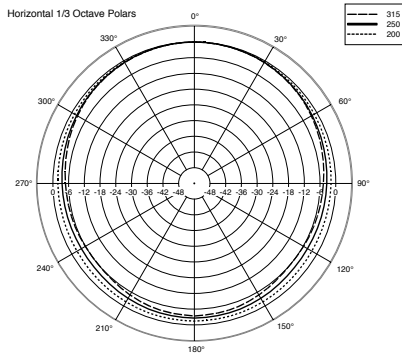


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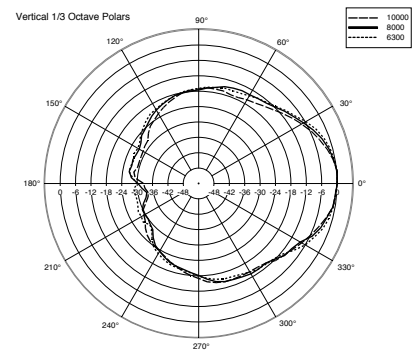
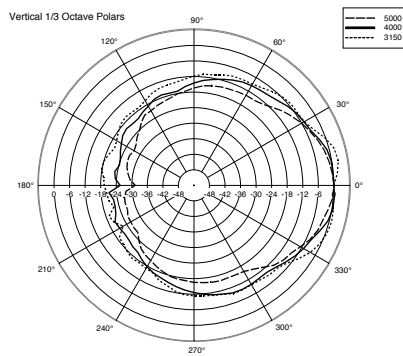
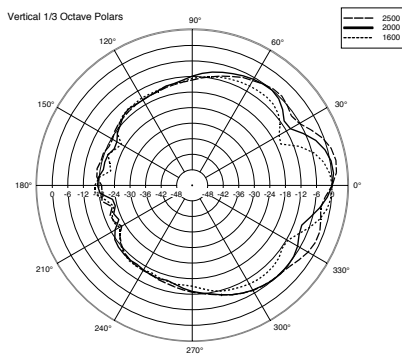
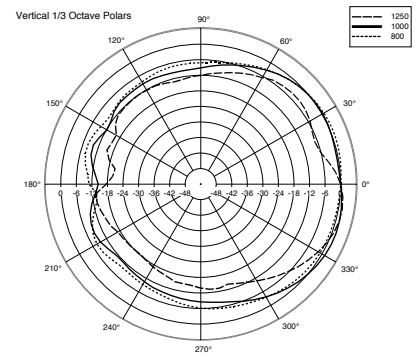
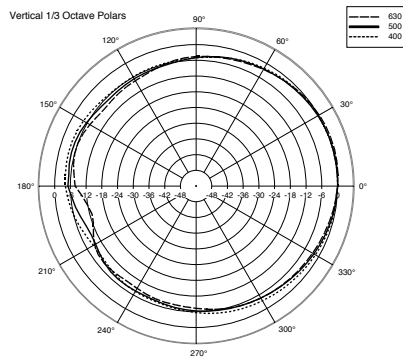
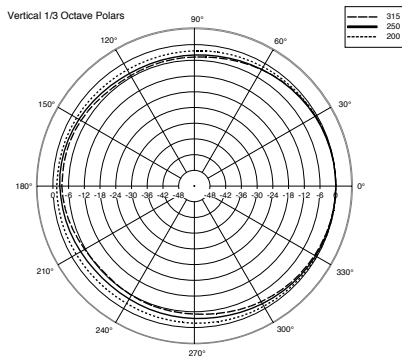


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## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT

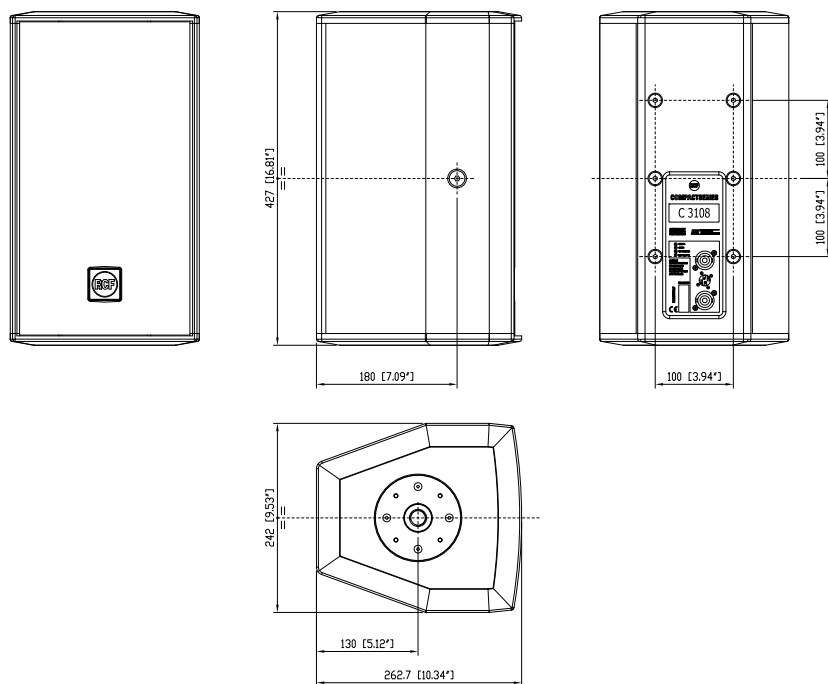


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## PART NUMBERS

13000281

## DIMENSIONS (All data are in mm)



## ACCESSORIES

AC NC08 H-BR	U bracket for horizontal mounting
AC NC08 V-BR	U bracket for vertical mounting
AC WM-C	Swivel bracket
AC NC-FB1	Bracket for suspended mounting with chains