

## C4128

TWO WAY SPEAKER SYSTEM p/n. 130.00.170

The C4128 is a full range two way high sensitivity passive system, compact and versatile.

The C 4128 is a two-way, dual woofer, passive loudspeaker designed to provide extended low frequency performance from a compact vented enclosure.

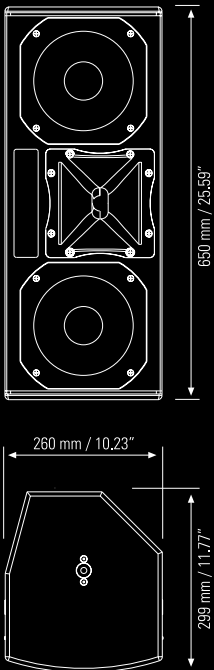
It features advanced technology, latest generation transducers: the 8" woofers are equipped with a 2" voice coil and the 1" neodymium compression driver is equipped with a 1.5" voice coil, mounted on a rotatable 90 x 70 constant directivity horn, providing very natural sound reproduction.

It is the optimum choice for a variety of fixed or portable applications, thanks also to the pole mount, the very light weight and small size.

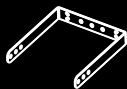
It features four M10 mounting points for horizontal or vertical U-bracket, cabinet is asymmetric (15 and 45) for versatile ceiling/wall installation and floor monitoring operation.

The C4128 can be used as a main speaker in small-medium, near field systems or as a fill/delay element in bigger systems. The design also permits optimum use in Theatre 'Under Balcony Applications'.

The wide coverage angle and the true constant directivity of the newly designed horn make the coverage of a large audience very easy; the crossover design guarantees the perfect pattern matching of woofer and compression driver and includes active electronic protection for the driver. The possibility to rotate the horn optimises both horizontal or vertical installations.



133.60.100 AC C28 V-BR  
Pair of bracket for mounting C4128 speakers on the wall - Adjustable vertical inclination - Black



133.60.099 AC C28 H-BR  
Pair of bracket for mounting C4128 speakers on the wall - Adjustable horizontal inclination - Black



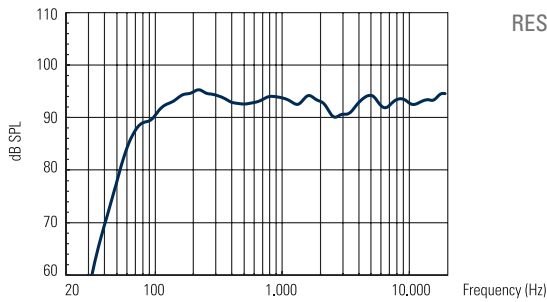
### FEATURES

- High efficiency
- Active Mosfet Compression Driver Protection
- LICC Crossover
- CMD Design
- Rotatable horn
- M10 mounting points
- Asymmetrical cabinet under-balcony/wedge monitor applications

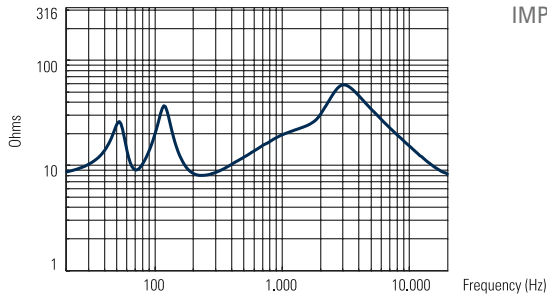
### APPLICATIONS

- Permanent Installations
- Main Reinforcement in small spaces
- Portable Systems AV Presentations
- Zone Delay and Fill Systems
- Under Balcony Applications
- Stage monitor in multimedia environments, auditoriums house of worship

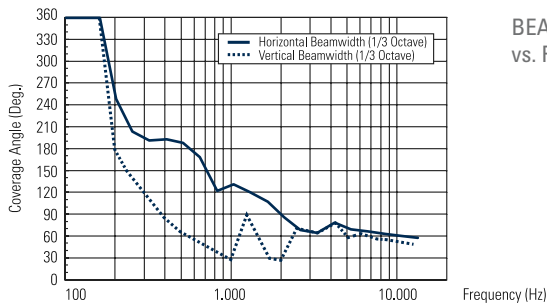
# COMPACT SERIES



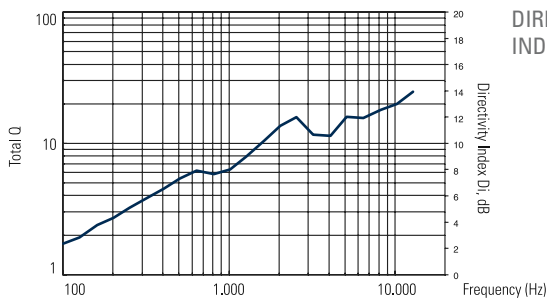
RESPONSE 1W/1m



IMPEDANCE



BEAMWIDTH vs. FREQUENCY



DIRECTIVITY INDEX AND Q

## CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")

The following are "Part 2 Products" CSI-type specifications. It is assumed that "Part 1 General – Administrative and Procedures" and "Part 3 Execution – Installation and Maintenance" are part of an overall audio system or project specification.

### PART 2 PRODUCTS

2.01 Approved Manufacturer/Product  
A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy.- B. Model number: C4128

### 2.02 Design

Configuration Compact 2 way speaker - LF Sub-section 2 x 8" mid-bass, 2" voice coil - HF Sub-section 1" neodymium, 1.5" aluminium voice coil.

### 2.03 Acoustical Proprieties

Nominal dispersion angle: Horizontal: 90° - Vertical: 60° - Axial frequency range: 55 Hz-20 kHz - Axial sensitivity: 93 dB, 1W @ 1m - Power handling: Applicable power 400 W RMS - Musical power 800 W Peak power 1600 W - Nominal impedance: 8 Ohm.

### 2.04 Physical Properties

Enclosure: Trapezoidal, 15° - 45° side angles 10mm birch plywood construction - Rigging inserts: 3 x M10 inserts (1 top, 2 side), 4 X M5 inserts (rear for bracket omni mount), 2 X M6 inserts (rear) + pole mount - Color: Black, scratch resistant paint - Grille: Custom perforated steel grille - Input Connectors: 2 X Speakon® NL4 - Dimensions (H x W x D): 25.59" x 10.23" x 11.77" - 650 x 260 x 299 mm Weight: 38.36 lb - 17.4Kg.

### 2.05 Accessories

AC C28 H-BR Pair of bracket for mounting C4128 speakers on the wall. Adjustable horizontal inclination . Colour black.

AC C28 V-BR Pair of bracket for mounting C4128 speakers on the wall. Adjustable vertical inclination . Colour black.

## SYSTEM

FREQ. RANGE (-10 dB):	55 Hz - 20 kHz
FREQ. RANGE (-3 dB):	95 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB):	90°
VERTICAL COVERAGE ANGLE (-6 dB):	60°
DIRECTIVITY FACTOR; Q:	9.25
SYSTEM SENSITIVITY:	93 dB , 1W @ 1m <sup>(1)</sup>
RATED MAXIMUM SPL:	125 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	400 W <sup>(2)</sup>
SYSTEM INPUT POWER RATING PEAK:	1600 W
RECOMMENDED AMPLIFIER:	800 W <sup>(3)</sup>
HF PROTECTION:	Dynamic
CROSSOVER:	2.1 kHz

## TRANSDUCERS

LOW FREQUENCY:	2x8" (203 mm) woofer with 2" (50 mm) coil
NOMINAL IMPEDANCE:	16 Ohm
INPUT POWER RATING:	200 W AES ; 400 W Peak
SENSITIVITY:	94 dB, 1W @ 1m
HIGH FREQUENCY:	1" (25mm) throat, 1.5" (35,5mm) coil diaphragm assembly
NOMINAL IMPEDANCE:	8 Ohm
INPUT POWER RATING:	25 W AES ; 50 W Peak
SENSITIVITY:	109 dB, 1W @ 1m

## PHYSICAL

ENCLOSURE:	Trapezoidal, 15° side angles 10mm birch plywood construction
RIGGING INSERTS:	3 x M10, 4 X M5, 2 X M6 inserts + pole mount
COLOR:	Black, scratch resistant paint
GRILLE:	Custom perforated steel grille
INPUT CONNECTORS:	Speakon® NL4
DIMENSIONS (H x W x D):	25.59" x 10.23" x 11.77" 650 x 260 x 299 mm
WEIGHT:	38.36 lb - 17.4 Kg

1) Measured on axis in the far field with 1 watt (2.83V RMS, 8 Ohm) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300 Hz to 3 kHz.

2) Using 20 Hz to 20 kHz, Pink Noise Spectrum, 2 hours, + 6 dB crest factor, with RMS voltage calculated on speaker minimum impedance.

3) Recommended Amplifier is a power capability value that should be taken as a guide.