

## P4228

OUTDOOR/INDOOR TWO WAY SPEAKER SYSTEM

p/n. 130.00.199

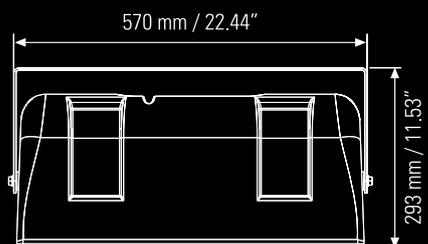
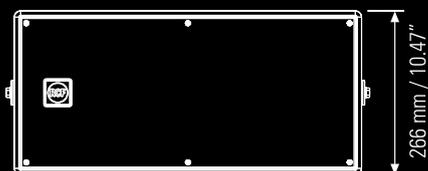
The P 4228 is a weatherproof full range, wide-dispersion, two ways loudspeaker system offering substantial power and efficiency for a variety of professional indoor or outdoor applications.

The highfrequency section is a constant directivity CMD horn loaded with a 1.4" RCF Precision Neodymium compression driver with a 2.5" diaphragm assembly for smooth, wide dispersion.

The low-frequency transducer is a double 8" woofer with a 2.5" voice coil. The cabinet is a single piece rotational moulded in medium density polyethylene, fully UV protected.

The cabinet is equipped with 4 x M 8 brass inserts, a stainless steel U-Bracket. The front logo is in aluminium and rotatable. The grille is in custom perforated aluminium with open-cell fibres and water repellent woven fabric backing.

P 4228 is suitable for indoor and outdoor applications/ installations, it meets the requirements of IP 55 code (International Protection Rating).



130.60.119 AC P28 A-BR  
Cluster brackets for P4228 and P5228-L  
(including 4 brackets to cluster 2 speakers)

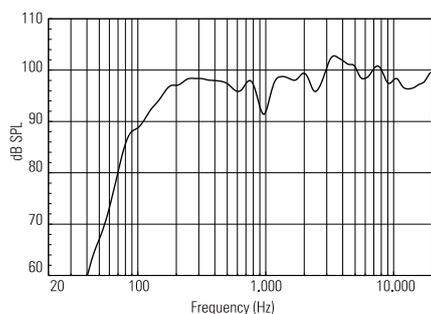


### FEATURES

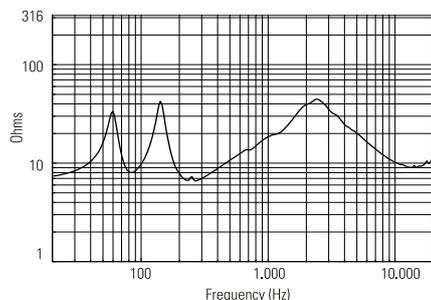
- Weatherproof cabinet IP 55
- Aluminium grill and stainless steel bracket
- Two 8" high-output LF transducer with 2.5" voice coil
- One RCF Precision Neodymium 1.5" Compression Driver with 2.5" voice coil
- 110° x 60° constant directivity horn
- 2° X 15° enclosure sides for array configurations
- Active Mosfet Compression Driver Protection
- LICC (Low Impedance Compensated Crossover) network
- Input connector 4 pole Amphenol IP 67

### APPLICATIONS

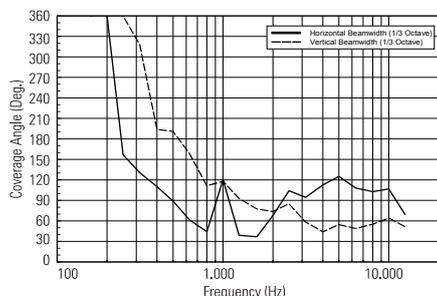
- Outdoor Sound Reinforcement in small and medium spaces
- High-Level AV Playback
- Flown cluster configurations
- Large speech systems
- Music Sound Reinforcement



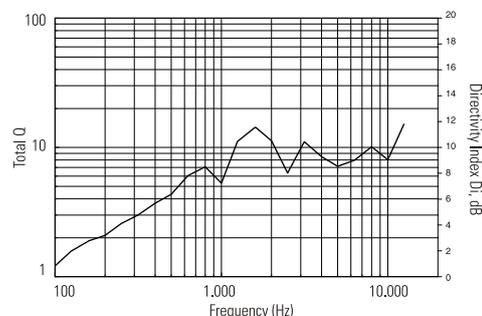
RESPONSE 1W/1m



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: P4228

**2.02 Design**

Configuration Compact 2 way speaker - LF Sub-section 2 x 8" woofer, 2.5" voice coil - HF Sub-section 1.4" neodymium, 2.5" voice coil.

**2.03 Acoustical Properties**

Nominal dispersion angle: Horizontal: 110° - Vertical: 60° - Axial Frequency range: 80Hz-20kHz - Axial Sensitivity: 97 dB, 1W @ 1m - Power handling: Applicable power 400W RMS - Musical power 800W - Peak power 1600W - Nominal Impedance: 8 Ohm.

**2.04 Physical Properties**

Enclosure: Trapezoidal, 2° Horizontal side angles, 15° Vertical side angle, 8 mm Polyethylene rotomoulded - Rigging insert: 4 x M8 + U-Bracket and Pair of spacers - Color: Grey, - Grille: Custom perforated aluminium grille with open-cell fiber and water repellent woven fabric backing - Input System: 4 pole Amphenol - Dimensions: (H x W x D): 22.28" x 10.55" x 16.23" - 566 x 268 x 250 mm - Weight: 29.7 lb - 13.5 Kg.

**SYSTEM**

FREQ. RANGE (-10 dB):	80 Hz - 20 kHz
FREQ. RANGE (-3 dB):	100 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB):	110°
VERTICAL COVERAGE ANGLE (-6 dB):	60°
DIRECTIVITY FACTOR; Q:	9
SYSTEM SENSITIVITY:	97 dB , 1W @ 1m
RATED MAXIMUM SPL:	129 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	400 W
SYSTEM INPUT POWER RATING PEAK:	1600 W
RECOMMENDED AMPLIFIER:	800 W
HF PROTECTION:	Dynamic
CROSSOVER:	1.1 kHz

**TRANSDUCERS**

LOW FREQUENCY:	2x8" (200 mm) woofer with 2.5" (64 mm) coil
NOMINAL IMPEDANCE:	16 Ohm
INPUT POWER RATING:	300 W AES ; 1200 W Peak
SENSITIVITY:	95 dB, 1W @ 1m

HIGH FREQUENCY: 1.4" (35.5mm) throat, 2.5" (63.7 mm) coil diaphragm assembly

NOMINAL IMPEDANCE:	8 Ohm
INPUT POWER RATING:	90 W AES ; 360 W Peak
SENSITIVITY:	110 dB, 1W @ 1m

**PHYSICAL**

ENCLOSURE: Trapezoidal, 2° Horizontal side angles, 15° Vertical side angle, 8 mm Polyethylene rotomoulded

RIGGING INSERTS: 4 x M8 + U-Bracket and Pair of spacers

COLOR: Gray

GRILLE: Custom perforated aluminium grille with open-cell fiber and water repellent woven fabric backing

INPUT CONNECTORS: 4 pole Amphenol

DIMENSIONS (HxWxD): 22.28" x 10.55" x 9.84" / 566 x 268 x 250 mm

WEIGHT: 29.7 lb - 13.5 Kg