

P5228-L

OUTDOOR/INDOOR TWO WAY SPEAKER SYSTEM p/n. 130.00.202

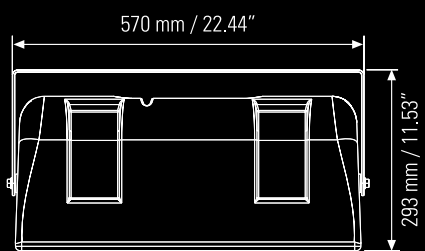
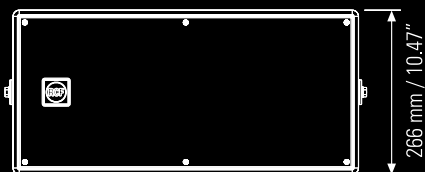
The P5228-L is an IP 55 (International Protection Rating) weatherproof full range, two-way line array loudspeaker module, offering substantial power and efficiency for a variety of professional indoor or outdoor applications.

The high frequency section includes two constant directivity CMD horn, each loaded with a 1" RCF Precision Neodymium compression driver with a 1.75" diaphragm assembly for smooth, wide horizontal dispersion and highly controlled 20° vertical

coverage. The low-frequency transducers are two 8" woofers with a 2.5" voice coil.

The cabinet is a single piece rotational molded enclosure, made in medium density polyethylene, fully UV protected equipped with 4 x M 8 brass inserts and a stainless steel U-Bracket.

Connections to the amplifier are made through a watertight multi-pole connector. The grille is in custom perforated aluminum with open-cell fibers and water repellent woven fabric backing.



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

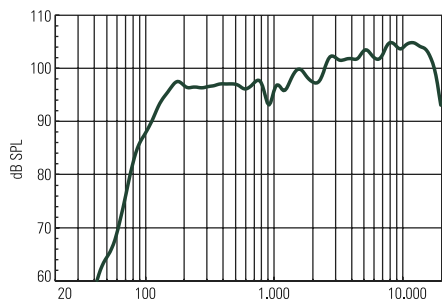


FEATURES

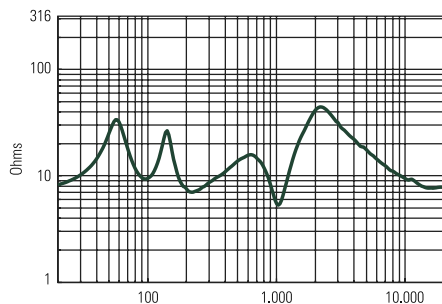
- Weatherproof cabinet IP55
- Aluminium grill and stainless steel bracket
- Two 8" high-output LF transducers with 2.5" voice coil
- One RCF Precision Neodymium 1" compression driver with 1.75" diaphragm assembly
- 90° x 20° constant directivity horn
- 2° x 15° enclosure sides for array configurations
- Active Mosfet Compression Driver Protection
- LICC (Low Impedance Compensated Crossover) network
- Input connector 4 pole Amphenol IP 67

APPLICATIONS

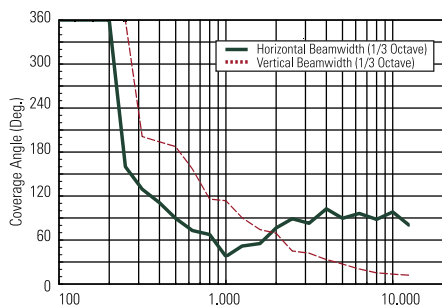
- Outdoor Sound Reinforcement in medium-large spaces
- High-Level AV Playback
- Flown cluster configurations
- Large speech systems
- Music Sound Reinforcement



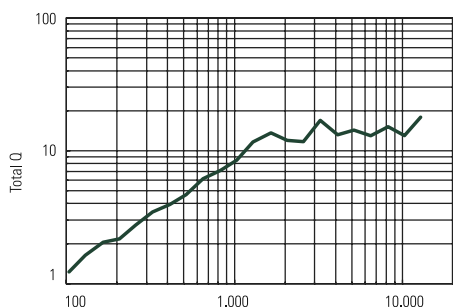
RESPONSE 1W/1m



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 of project specification.

PART 2 PRODUCTS

2.01 Approved Manufacturer/Product

A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy – B. Model number: P5228-L

2.02 Design

Configuration Compact 2 way speaker – LF Sub-section 2 x 8" woofer, 2.5" voice coil – HF Sub-section 2 x 1" horn loaded, 1.75" voice coil.

2.03 Acoustical Properties

Nominal dispersion angle: Horizontal: 90° - Vertical: 20° - Axial Frequency range: 80 Hz-20kHz – Axial Sensitivity: 98 dB, 1W @ 1m – Power handling: Applicable power 500W RMS – Musical power 1000W – Peak power 2000W – Nominal Impedance: 8 Ohm.

2.04 Physical Properties

Enclosure: Trapezoidal, 2° Horizontal side angles, 15° Vertical side angles, 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: 33.88 lbs - 15.37 Kg.

SYSTEM

FREQ. RANGE (-10 dB):	80 Hz - 20 kHz
FREQ. RANGE (-3 dB):	100 Hz - 20 kHz
HORIZ. COVERAGE ANGLE (-6 dB):	90°
VERTICAL COVERAGE ANGLE (-6 dB):	20°
DIRECTIVITY FACTOR; Q:	11
SYSTEM SENSITIVITY:	98 dB , 1W @ 1m
RATED MAXIMUM SPL:	131 dB, @ 1m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm
SYSTEM INPUT POWER RATING RMS:	500 W
SYSTEM INPUT POWER RATING PEAK:	2000 W
RECOMMENDED AMPLIFIER:	1000 W
HF PROTECTION:	Dynamic
CROSSOVER:	1.3 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:	2x1" (25.5mm) throat, 1.75" (44.4 mm) coil diaphragm assembly
NOMINAL IMPEDANCE:	16 Ohm
INPUT POWER RATING:	50 W AES ; 200 W Peak
SENSITIVITY:	109 dB, 1W @ 1m

PHYSICAL

ENCLOSURE:	Trapezoidal, 2° Horizontal side angles, 15° Vertical side angle, 8 mm Polyethylene rotomoulded
RIGGING INSERTS:	4 x M8 inserts
COLOR:	Grey
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 16.23" 566 x 268 x 250 mm
WEIGHT:	30.8 lb - 14 Kg