

## P3108 P1108-T

OUTDOOR/INDOOR TWO WAY SPEAKER SYSTEM

p/n. 130.00.198

OUTDOOR/INDOOR TWO WAY SPEAKER SYSTEM

p/n. 130.00.203

The P 3108 is a weatherproof full range, wide-dispersion, two way loudspeaker system offering substantial power and efficiency for a variety of professional indoor or outdoor applications.

The high frequency section is a constant directivity CMD horn loaded with a 1" RCF Precision Neodymium compression driver with a 1.50" diaphragm assembly for a smooth, wide dispersion.

The low-frequency transducer is a 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 and 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 3108 is suitable for indoor and outdoor applications/ installations, it meets the requirements of IP 55 code (International Protection Rating).

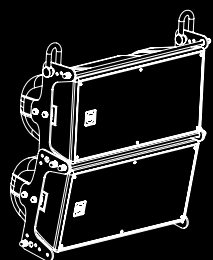
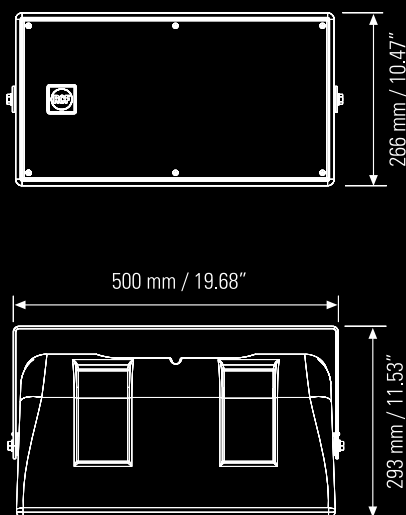
The P1108-T is a weatherproof full range, wide-dispersion, two way loudspeaker system suitable for several indoor or outdoor applications where good speech intelligibility and music reproduction are required.

In a single-piece rotational moulded UV protected polyethylene cabinet the P1108-T combines a 1,5" diaphragm assembly compression driver loaded on a 1" rotatable constant directivity 90°x60°CD horn with a 8" high efficiency low-frequency transducer with a 1.5" voice coil.

The cabinet is equipped with 4 x M 8 brass inserts and a 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.

P1108-T is suitable for indoor and outdoor installations, it meets the requirements of IP 55 code (International Protection Rating).



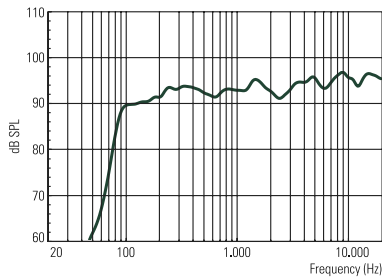
133.60.118 AC P08 A-BR  
Cluster brackets for P3108 and P1108-T  
(including 4 brackets to cluster 2 speakers)

### FEATURES

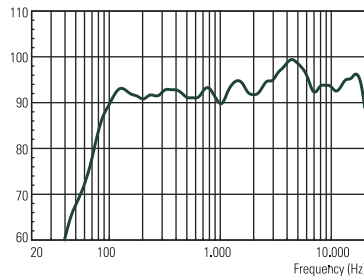
- Weatherproof cabinet IP 55
- Aluminium grill and stainless steel bracket
- One 8" high-output LF transducer with 2.5" voice coil (P3108), 1.5" voice coil (P1108-T)
- One RCF Precision Neodymium 1" Compression Driver with 1.5" voice coil
- 90° x 60° constant directivity horn
- 2° x 15° enclosure sides for cluster configurations
- Active Mosfet Compression Driver Protection
- LICC (Low Impedance Compensated Crossover) network
- 2 metres 4 x 1.5 Input cable (P1108-T)

### APPLICATIONS

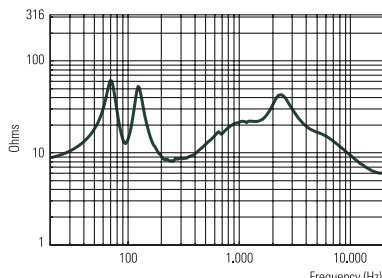
- Outdoor Sound Reinforcement in small and medium spaces
- Sound Reinforcement in outdoor and indoor applications
- High-Level AV Playback- AV Playback
- Flown cluster configurations
- Large speech systems
- Music Sound Reinforcement
- Voice and Music reproduction



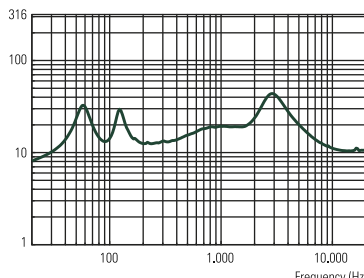
RESPONSE 1W/1m



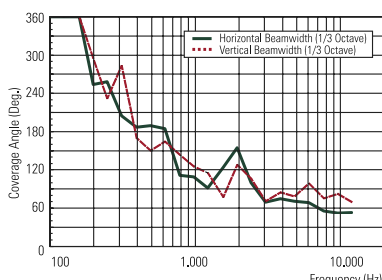
RESPONSE 1W/1m



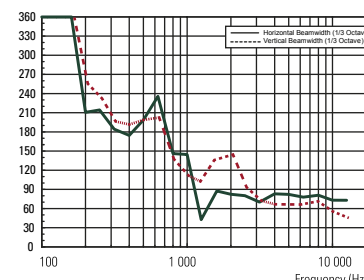
IMPEDANCE



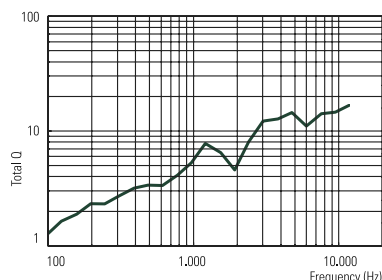
IMPEDANCE



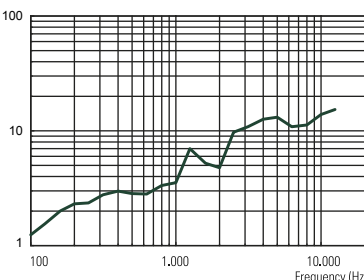
BEAMWIDTH vs. FREQUENCY



BEAMWIDTH vs. FREQUENCY



DIRECTIVITY INDEX AND Q



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: P3108

#### 2.02 Design

Configuration Compact 2 way speaker - LF Sub-section 8" woofer, 2.5" voice coil - HF Sub-section 1" neodymium, 1.5" voice coil.

#### 2.03 Acoustical Proprieties

Nominal dispersion angle: Horizontal: 90° - Vertical: 60° - Axial Frequency range: 80Hz-20kHz - Axial Sensitivity: 94 dB, 1W @ 1m - Power handling: Applicable power 300W RMS - Musical power 600W - Peak power 1200W - 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): 19.41" x 10.47" x 16.23" - 493 x 266 x 250 mm - Weight: 22 lb - 10 Kg.

#### 2.05 Accessories

AC P08 A-BR Cluster brackets for P3108 (including 4 brackets to cluster 2 speakers)

### PART 2 PRODUCTS

#### 2.01 Approved Manufacturer/Product

A. RCF, Via Raffaello 13, 42124, Reggio Emilia, Italy - B. Model number: P1108-T

#### 2.02 Design

Configuration Compact 2 way speaker – LF Sub-section 8" woofer, 1.5" voice coil – HF Sub-section 1" neodymium, 1.5" voice coil.

#### 2.03 Acoustical Proprieties

Nominal dispersion angle: Horizontal: 90° - Vertical: 60° - Axial Frequency range: 80 Hz-20kHz - Axial Sensitivity: 95 dB, 1W @ 1m - Power handling: Applicable power 100W RMS – Musical power 200W – Peak power 1200W – Nominal Impedance: 16 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 x 1.5 mm square 2 m Neoprene cable – Dimensions: (H x W x D): 10.47" x 19.40" x 9.84" – 266 x 493 x 250 mm – Weight: 27.55 lbs – 12.5 Kg.

SYSTEM	P3108	P1108-T
FREQ. RANGE (-10 dB):	80 Hz - 20 kHz	
FREQ. RANGE (-3 dB):	100 Hz - 20 kHz	110 Hz - 18 kHz
HORIZ. COVERAGE ANGLE (-6 dB):	90°	
VERTICAL COVERAGE ANGLE (-6 dB):	60°	
DIRECTIVITY FACTOR; Q:	11	
SYSTEM SENSITIVITY:	94 dB, 1W @1 m	95 dB, 1W @1 m
RATED MAXIMUM SPL:	125 dB, 1 @1 m	121 dB, 1 @1 m
SYSTEM NOMINAL IMPEDANCE:	8 Ohm	16 Ohm
SYSTEM INPUT POWER RATING RMS:	300 W	100 W
SYSTEM INPUT POWER RATING PEAK:	1200 W	400 W
RECOMMENDED AMPLIFIER	600 W	200 W
CONSTANT VOLTAGE LINE	70/100 W	
SELECTABLE POWER	70V/30W, 15W, 100V/60W, 30W	
HF PROTECTION:	Dynamic	PTC
CROSSOVER:	1.8 kHz	2.2 kHz
<b>TRANSDUCERS</b>		
LOW FREQUENCY:	8" (200 mm) woofer with 2.5" (64 mm) coil	8" (203 mm) woofer with 1.5" (38 mm) coil
NOMINAL IMPEDANCE:	8 Ohm	16 Ohm
INPUT POWER RATING AES:	300 W AES	100 W AES
INPUT POWER RATING PEAK:	1200 W	400 W
SENSITIVITY:	95 dB, 1W @1 m	94 dB, 1W @1 m
HIGH FREQUENCY:	1" (25.5 mm) throat, 1.5" (35.4 mm) coil diaphragm assembly	1" (25.4 mm) throat, 1.5" (38 mm) coil diaphragm assembly
NOMINAL IMPEDANCE:	8 Ohm	
INPUT POWER RATING:	25 W AES; 100 W Peak	20 W AES; 80 W Peak
SENSITIVITY:	109 dB, 1W @ 1m	107 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	4 x 1.5 mm square 2m Neoprene cable
DIMENSIONS (HxWxD):	19.41" x 10.47" x 16.23" 493 x 266 x 250 mm	10.47" x 19.40" x 9.84" 266 x 493 x 250 mm
WEIGHT:	22 lb; 10 Kg	27.55 lb; 12.5 Kg