

# P3115

## INDOOR/OUTDOOR TWO WAY COAX SPEAKER SYSTEM



The P3115 is a weatherproof full range, wide-dispersion, coaxial 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 to a 1" RCF Precision Neodymium compression driver with a 1.5" diaphragm assembly for smooth, wide dispersion. The low-frequency transducer is a 15" woofer with a 2.5" voice coil. The P3115 features a selectable line transformer for 70 - 100 Volt applications.

The cabinet is a single piece rotational moulded in medium density polyethylene, fully UV protected. The cabinet is equipped with 12 x M 10 brass inserts, a stainless steel U-Bracket and pair of spacers for 90° mounting. 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. The P3115 meets the requirements of IP 55 code (International Protection Rating)

### APPLICATIONS

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

### FEATURES

- Weatherproof cabinet IP 55
- Aluminium grill and stainless steel bracket
- One 15" high-output LF transducer with 2" voice coil
- One RCF Precision Neo 1" C. Driver with 1.5" voice coil for P3115
- 90° x 60° constant directivity horn for P3115
- 10° X 20° enclosure sides for array configurations
- Active Mosfet Compression Driver Protection
- 12 brass suspension points (M10)
- Line transformer

### SYSTEM

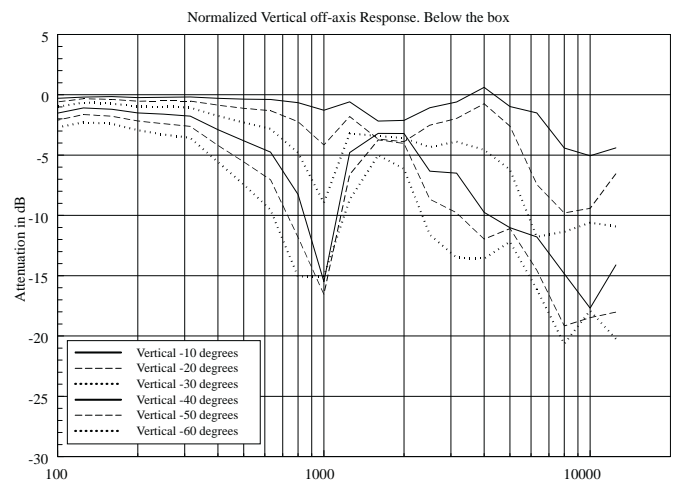
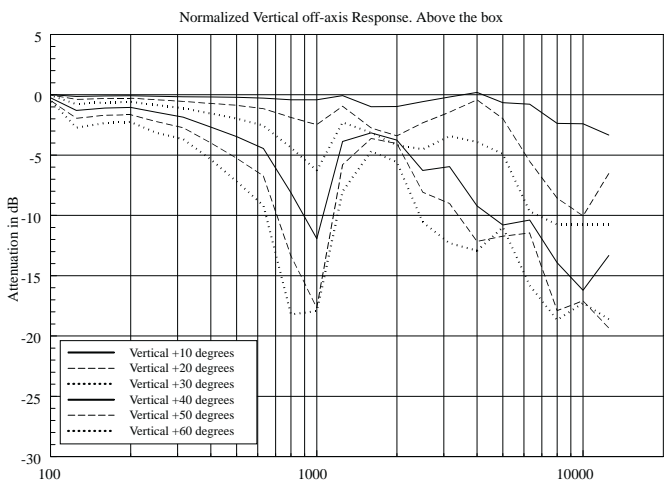
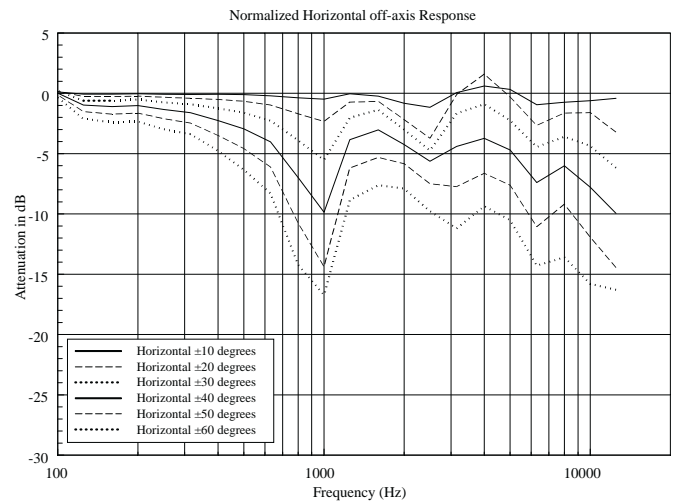
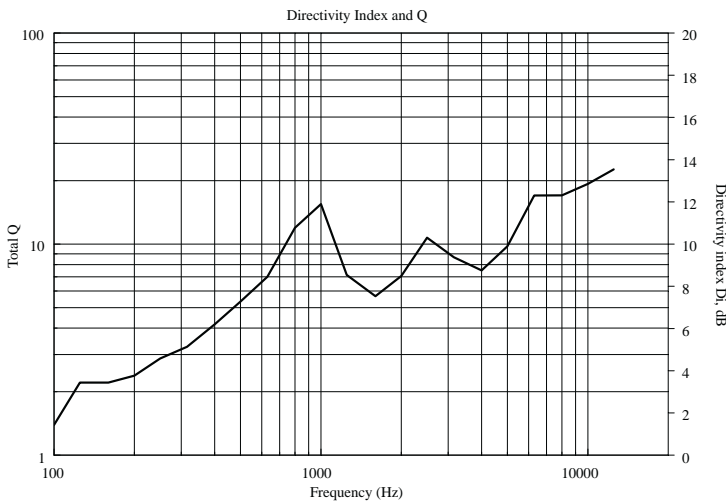
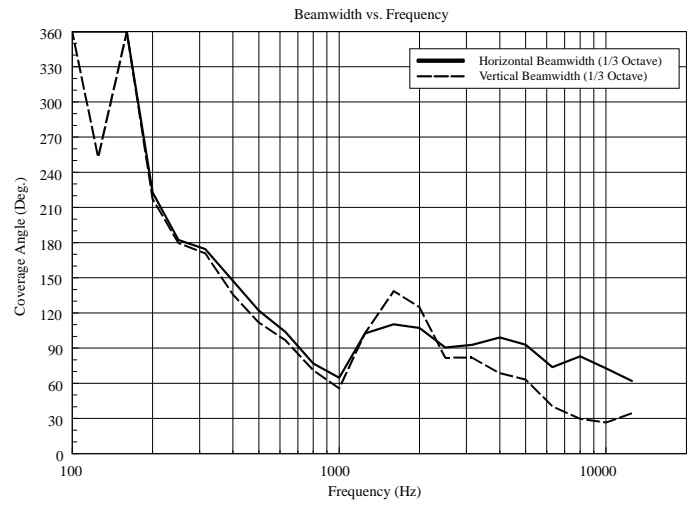
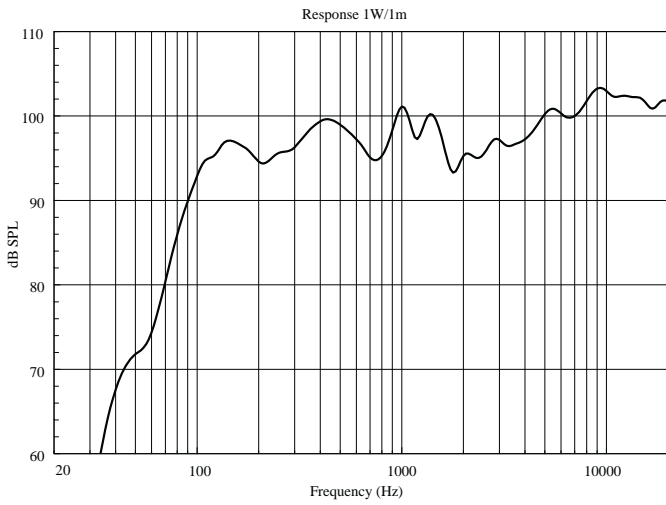
Freq. Range (-10 db):	75 Hz - 20 kHz
Freq. Range (-3 db):	100 Hz - 20 kHz
Horiz. Coverage angle (-6 db):	90°
Vertical coverage angle (-6 db):	60°
Directivity factor: q:	13.3
System sensitivity:	98 dB, 1W @ 1m
Rated maximum spl:	129 dB, @ 1m
System nominal impedance:	16 Ohm
System input power rating rms:	300 W
System input power rating peak:	1200 W
Constant voltage line:	70/100 V
Selectable power:	70V/60W, 30W; 100V/120W, 60W
Hf protection:	Dynamic
Crossover:	1.3 kHz

### TRANSDUCERS

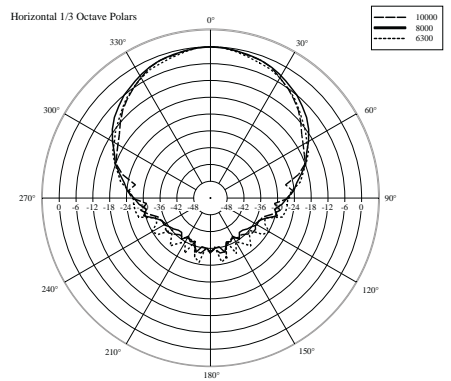
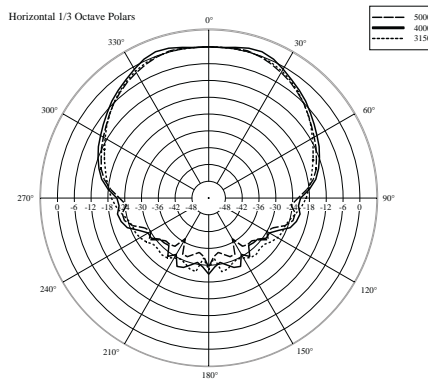
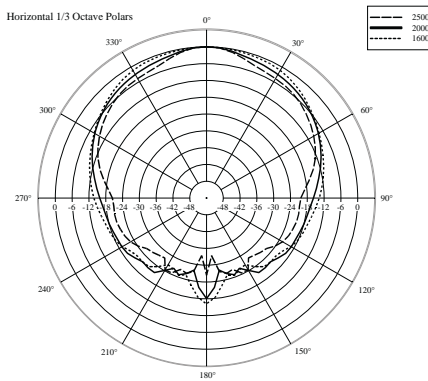
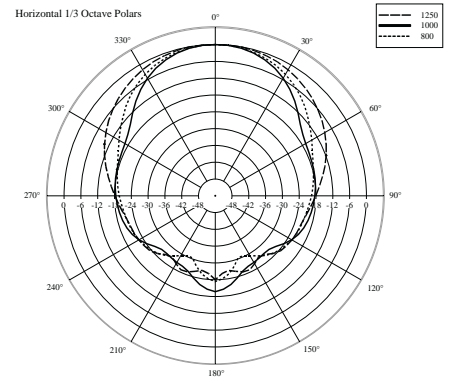
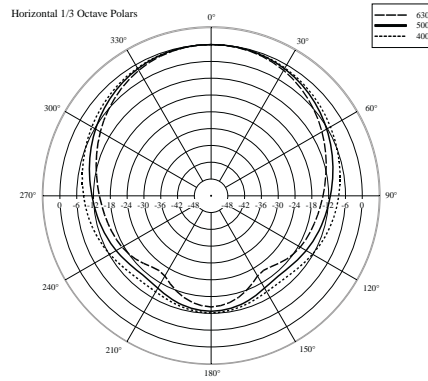
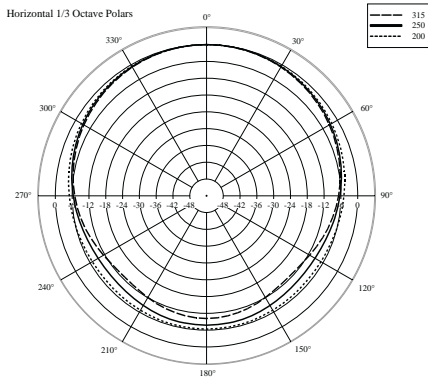
Low frequency:	15" (380 mm) woofer with 2.5" (64 mm) coil
Nominal impedance:	16 Ohm
Input power rating:	250 W AES ; 500 W Peak
Sensitivity:	98 dB, 1W @ 1m
High frequency:	1" (25.4 mm) throat, 1.5" (35.5mm) coil
Nominal impedance:	8 Ohm
Input power rating:	25 W AES ; 100 W Peak
Sensitivity:	108 dB, 1W @ 1m

### PHYSICAL

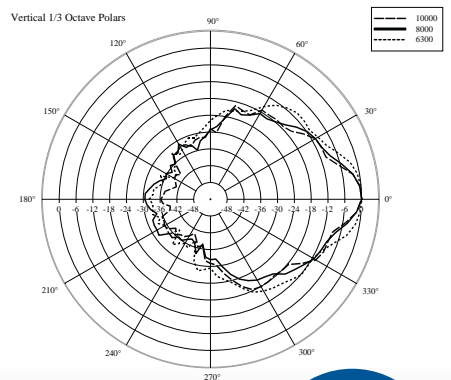
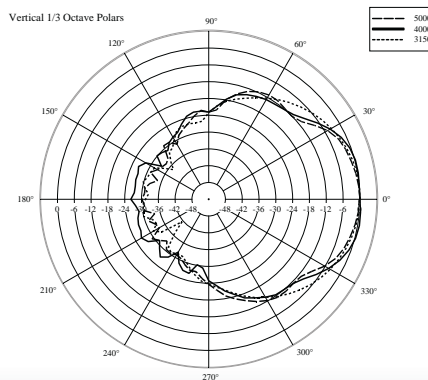
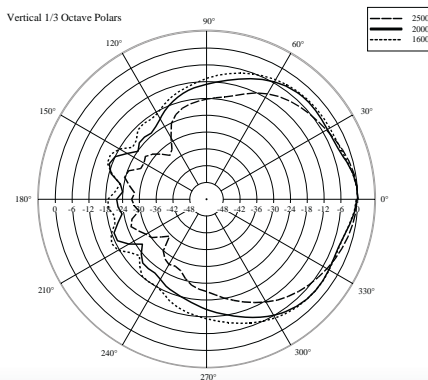
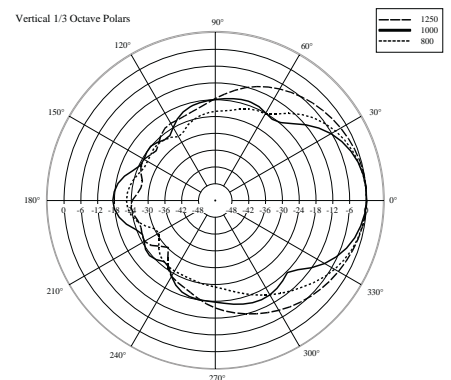
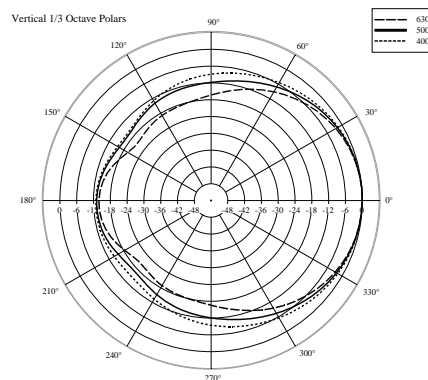
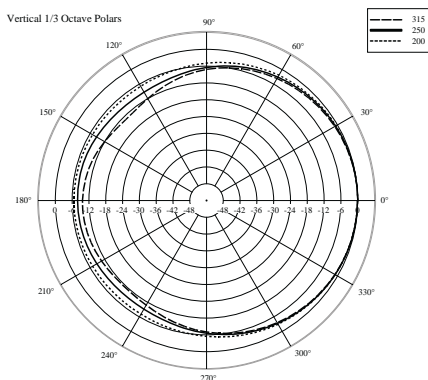
Enclosure:	Trapezoidal, 10° Horizontal side angles, 20° Vertical side angle, 8 mm Polyethylene rotomoulded
Rigging inserts:	12 x M8 + U-Bracket and Pair of spacers
Color:	Gray
Grille:	Custom perforated aluminium grille with open-cell fiber and water repellent woven fabric backing
Input connectors:	4 x 1.5mm square, 5m Neoprene cable
Dimensions (HxWxD):	18.22" x 18.22" x 17.04" 463 x 463 x 433 mm
Weight:	42.76 lb - 19.4 Kg



## Horizontal 1/3 Polar Plot



## Vertical 1/3 Polar Plot



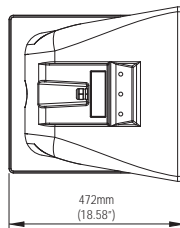
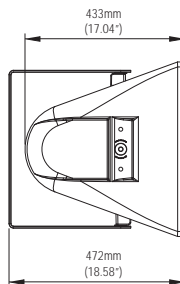
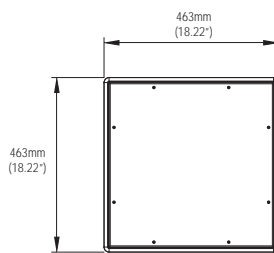
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS  
(ALSO KNOWN AS "A&E SPECIFICATIONS")

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: P3115



### 2.02 Design

Configuration:	Two way active speaker
LF Sub-section:	15" neodymium woofer, 64 mm voice coil
MR Sub-section:	-
HF Sub-section:	1,0" neodymium, 35.5 mm voice coil

### 2.03 Acoustical Properties

Nominal dispersion angle:	90° x 60°
Axial frequency range (-10 dB):	75Hz-20kHz
Axial frequency range (-3 dB):	100Hz-20kHz

### 2.04 Physical Properties

Cabinet:	Polyethylene rotomoulded
Rigging inserts:	12 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 x 1.5mm square, 5m Neoprene cable
Dimensions (H x W x D):	463 x 463 x 433 mm (18.22" x 18.22" x 17.04")
Weight:	19.4 kg (42.76 lbs.)

### 2.05 Accessories

AC P15A-BR	Cluster brackets for P3115/P6215 (including 4 brackets to cluster 2 speakers)
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