

P6215

INDOOR/OUTDOOR TWO WAY COAX SPEAKER SYSTEM



The P6215 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 1.3" RCF Precision Neodymium compression driver with a 2.5" diaphragm assembly for smooth, wide dispersion. The low-frequency transducer is a 15" woofer with a 3" voice coil. The P6215 is a dedicated high power version for very high output and longer throw 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 P6215 meets the requirements of IP 55 code (International Protection Rating)

APPLICATIONS

- Live sound reinforcement
- Portable and installed audio-visual systems
- Live theatre and houses of worship
- Auditoriums, retail, ballrooms and night clubs

FEATURES

- Weatherproof cabinet IP 55
- Aluminium grill and stainless steel bracket
- One 15" high-output LF transducer with 3" voice coil
- One RCF Precision Neo 1.3" C. Driver with 2.5" voice coil
- 60° x 60° conical horn for P6215
- 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):	120 Hz - 20 kHz
Horiz. Coverage angle (-6 db):	60°
Vertical coverage angle (-6 db):	60°
Directivity factor: q:	12.8
System sensitivity:	100 dB, 1W @ 1m
Rated maximum spl:	134 dB, @ 1m
System nominal impedance:	8 Ohm
System input power rating rms:	600 W
System input power rating peak:	2400 W
Constant voltage line:	-
Selectable power:	-
Hf protection:	Dynamic
Crossover:	1.1 kHz

TRANSDUCERS

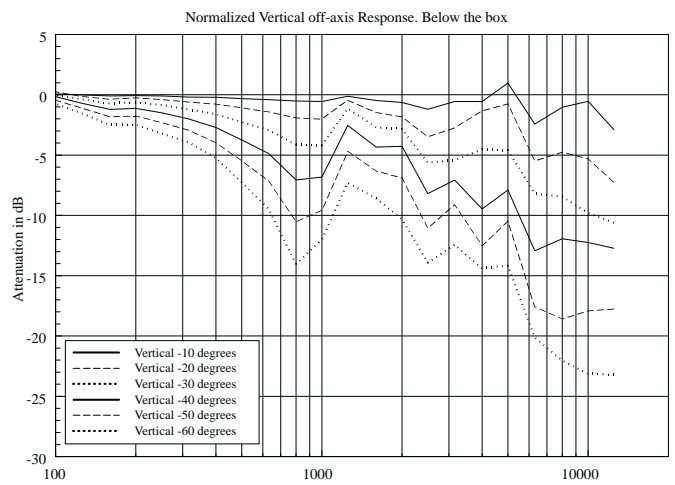
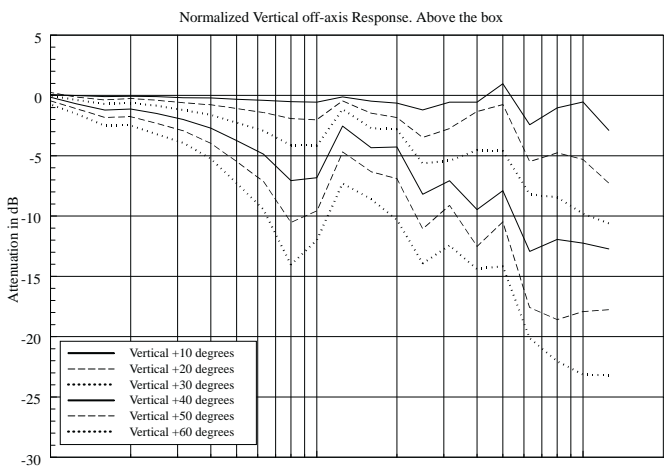
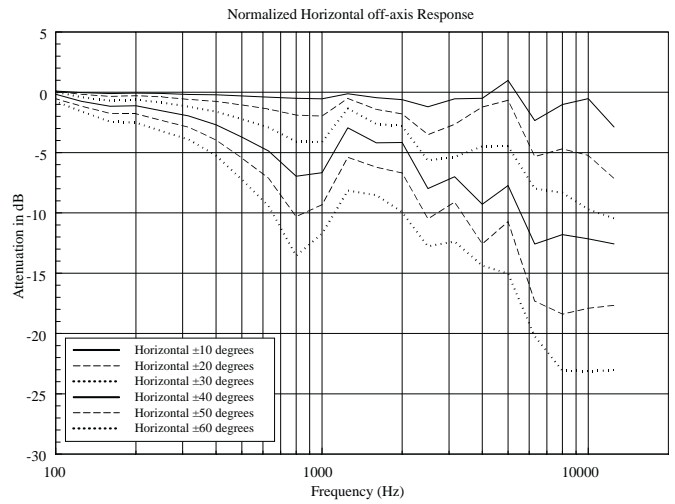
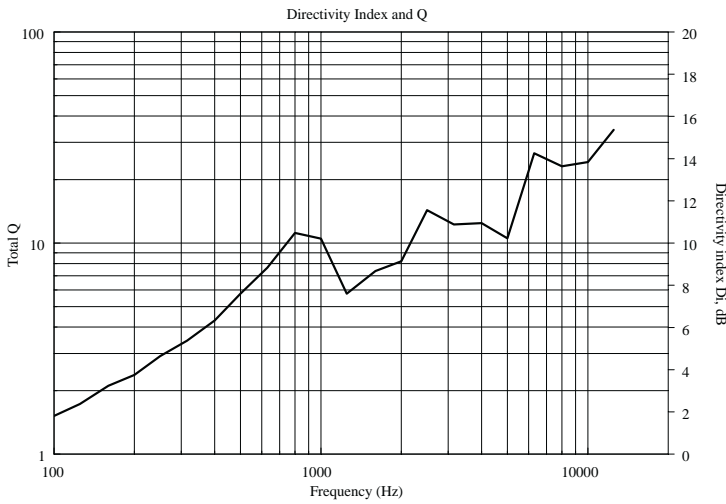
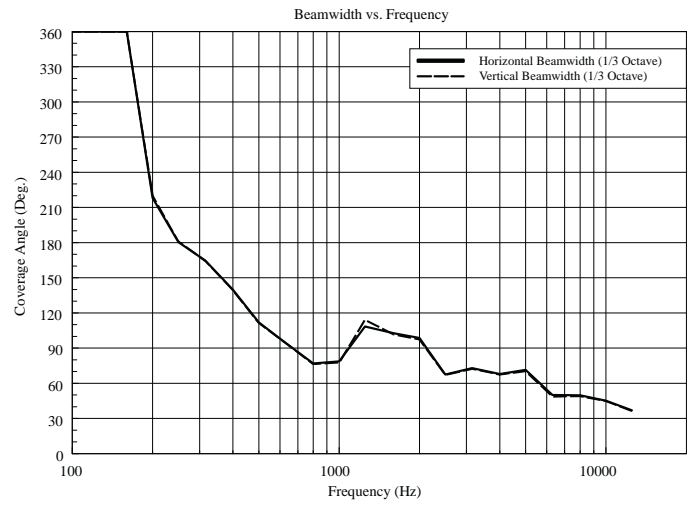
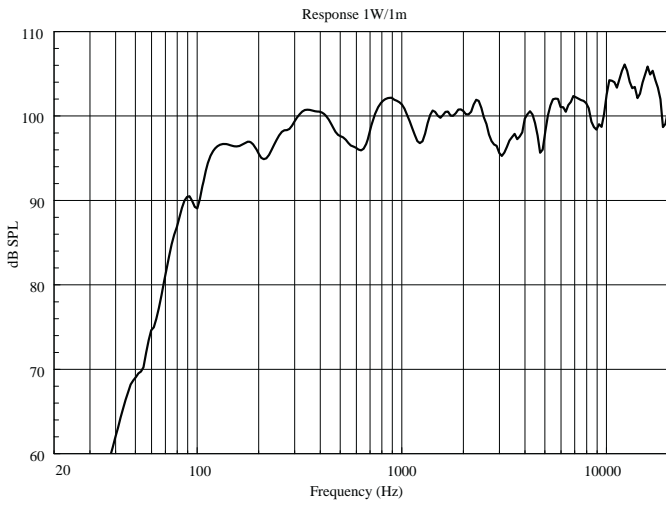
Low frequency:	15" (380 mm) woofer with 3" (75 mm) coil
Nominal impedance:	8 Ohm
Input power rating:	450 W AES ; 900 W Peak
Sensitivity:	101 dB, 1W @ 1m
High frequency:	1.3" (33mm) throat, 2.5" (64mm) coil
Nominal impedance:	8 Ohm
Input power rating:	90 W AES ; 180 W Peak
Sensitivity:	108 dB, 1W @ 1m

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:	42.32 lb - 19.2 Kg

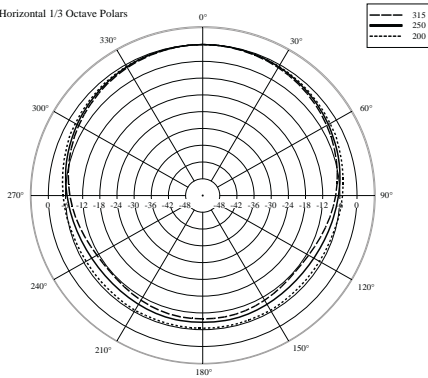
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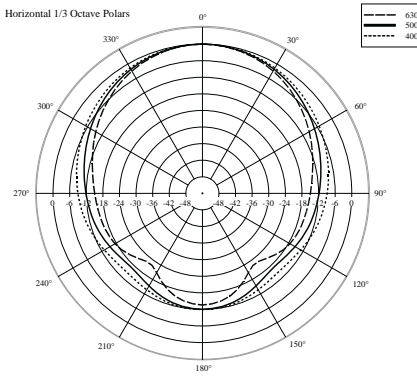


Horizontal 1/3 Polar Plot

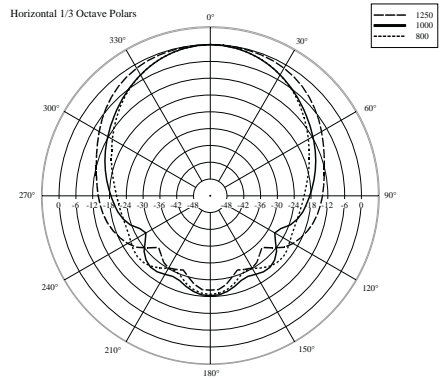
Horizontal 1/3 Octave Polars



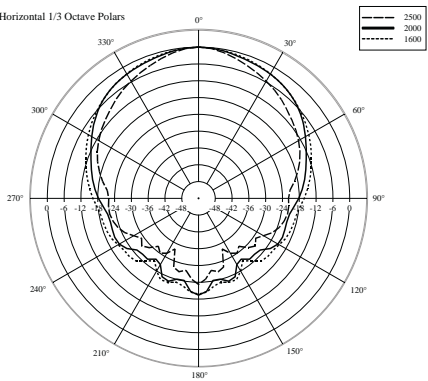
Horizontal 1/3 Octave Polars



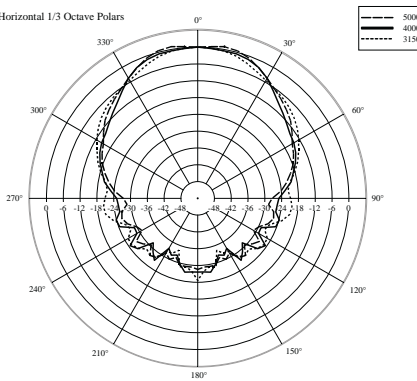
Horizontal 1/3 Octave Polars



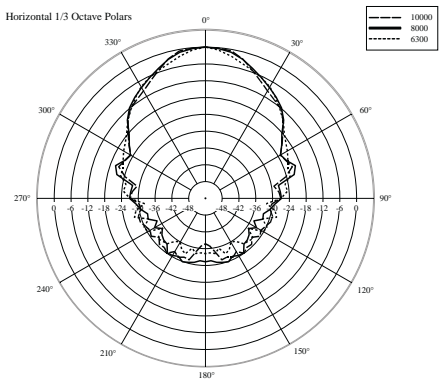
Horizontal 1/3 Octave Polars



Horizontal 1/3 Octave Polars

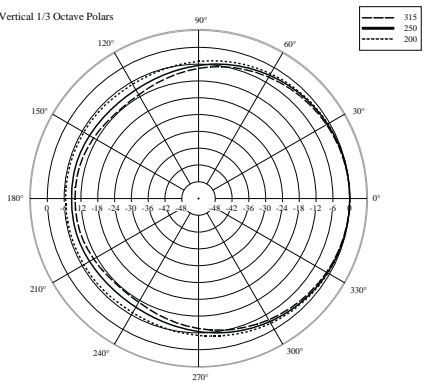


Horizontal 1/3 Octave Polars

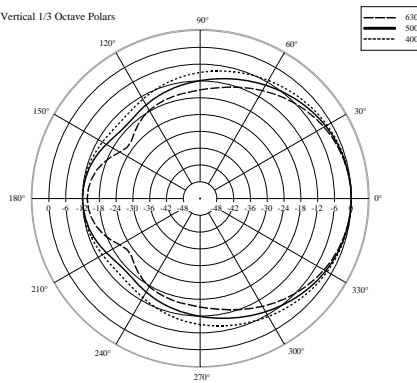


Vertical 1/3 Polar Plot

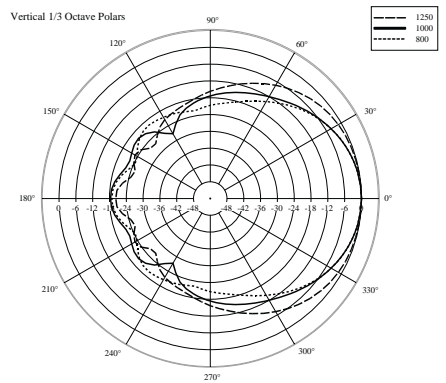
Vertical 1/3 Octave Polars



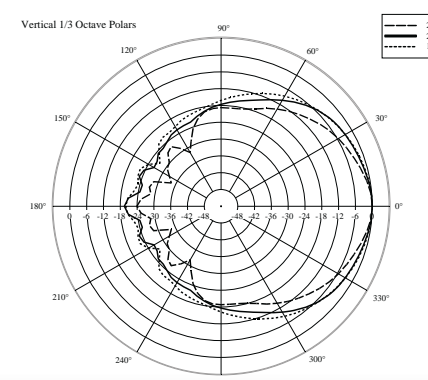
Vertical 1/3 Octave Polars



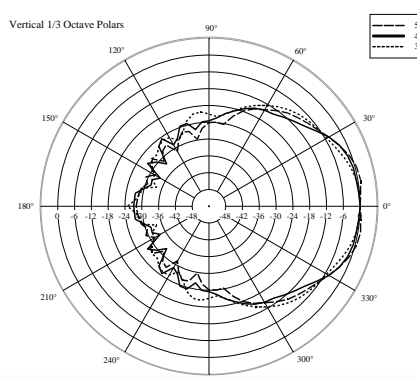
Vertical 1/3 Octave Polars



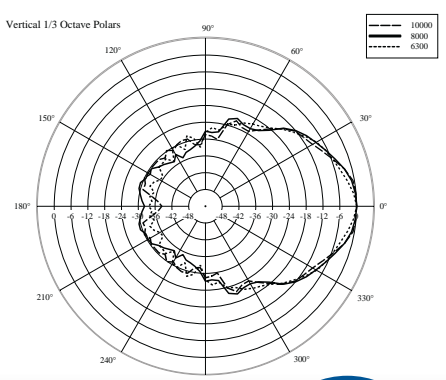
Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



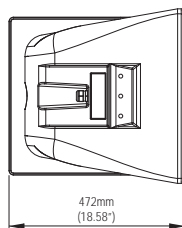
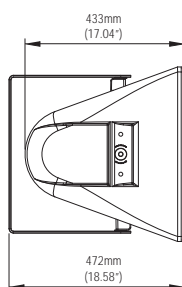
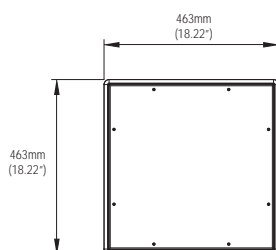
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

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: P6215



2.02 Design

Configuration:	Two way active speaker
LF Sub-section:	15" neodymium woofer, 75 mm voice coil
MR Sub-section:	-
HF Sub-section:	1,3" neodymium, 64 mm voice coil

2.03 Acoustical Properties

Nominal dispersion angle:	60° x 60°
Axial frequency range (-10 dB):	75Hz-20kHz
Axial frequency range (-3 dB):	120Hz-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:	2 x 2.5mm 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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