

# C5215-94

TWO WAY PASSIVE SPEAKER

# C5215-96

TWO WAY PASSIVE SPEAKER

# C5215-99

TWO WAY PASSIVE SPEAKER

# C5215-64

TWO WAY PASSIVE SPEAKER

# C5215-66

TWO WAY PASSIVE SPEAKER

- Permanent Installations
- Main Reinforcement in small and medium spaces
- High-Level AV Playback

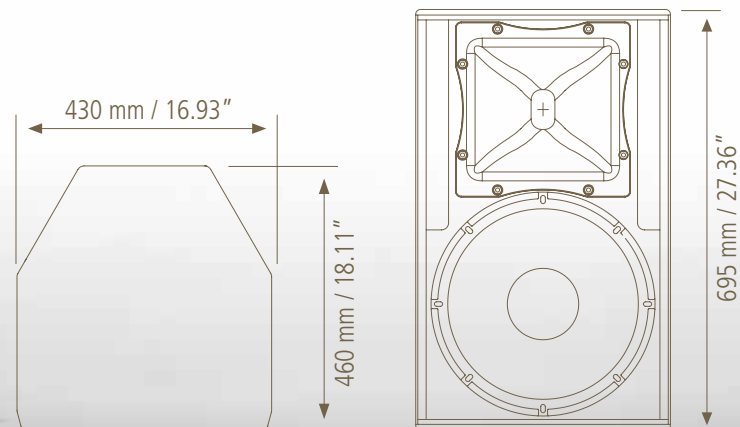
- Cluster configurations
- Live Music Reinforcement



- CMD (Constant Matching Design) constant directivity horn
- 2" compression driver with 2.5" diaphragm assembly
- 15" woofer with 3" voice coil
- Dual-function design: built in passive crossover or external bi-amp
- Rotatable Horn System for horizontal cabinet mounting applications
- HF driver AMCDP (Active Mosfet Compression Driver Protection)
- LICC (Low Impedance Compensated Crossover) network
- 14 Suspension points
- Pole mount joint

The C5215 are full range extremely versatile controlled narrow dispersion two-way loudspeaker system for medium throw applications. The high-frequency section is a constant directivity horn loaded to a 2" neodymium compression driver with a 2.5" diaphragm assembly for smooth, controlled dispersion.

The horn design (which, depending on the models, can be 90° x 40°, 90° x 60°, 90° x 90°, 60° x 40°, 60° x 60°) offers higher sensitivity for longer distance applications. The low-frequency transducer is a 15" woofer with a 3" voice coil. The crossover is easily bypassed for bi-amp via a recessed changeover switch.



<b>ACOUSTICAL SPECS.</b>	<b>C5215-94</b>	<b>C5215-96</b>	<b>C5215-99</b>	<b>C5215-64</b>	<b>C5215-66</b>
FREQ. RANGE (-10 dB)	48 Hz-20 kHz	48 Hz-20 kHz	48 Hz-20 kHz	48 Hz-20 kHz	48 Hz-20 kHz
HORIZ. COVERAGE ANGLE (-6 dB)	90°	90°	90°	60°	60°
VERTICAL COVERAGE ANGLE (-6 dB)	40°	60°	90°	40°	60°
DIRECTIVITY FACTOR; Q	14	12	11	20	20
SYSTEM SENSITIVITY	100 dB	100 dB	100 dB	101 dB	101 dB
RATED MAXIMUM SPL	133 dB	133 dB	133 dB	134 dB	134 dB
SYSTEM NOMINAL IMPEDANCE	8 Ohm	8 Ohm	8 Ohm	8 Ohm	8 Ohm
SYSTEM INPUT POWER RATING RMS	500W <sup>(2)</sup>	500W <sup>(2)</sup>	500W <sup>(2)</sup>	500W <sup>(2)</sup>	500W <sup>(2)</sup>
SYSTEM INPUT POWER RATING PEAK	2000W <sup>(2)</sup>	2000W <sup>(2)</sup>	2000W <sup>(2)</sup>	2000W <sup>(2)</sup>	2000W <sup>(2)</sup>
RECOMMENDED AMPLIFIER	1000W <sup>(2)</sup>	1000W <sup>(2)</sup>	1000W <sup>(2)</sup>	1000W <sup>(2)</sup>	1000W <sup>(2)</sup>
HF PROTECTION	Dynamic	Dynamic	Dynamic	Dynamic	Dynamic
CROSSOVER	1,2 kHz	1,2 kHz	1,2 kHz	1,2 kHz	1,2 kHz

### TRANSDUCERS

LOW FREQUENCY	15" (381 mm) woofer 3" (78,2 mm) voice coil
NOMINAL IMPEDANCE	8 Ohm
INPUT POWER RATING	400 W AES ; 800 W Peak
SENSITIVITY	99 dB, 1W @ 1m

HIGH FREQUENCY	2" (50 mm) driver 2.5" (64 mm) voice coil
NOMINAL IMPEDANCE	8 Ohm
INPUT POWER RATING	100 W AES ; 200 W Peak
SENSITIVITY	111 dB, 1W @ 1m

### PHYSICAL

ENCLOSURE:	15 mm birch plywood construction
RIGGING INSERTS:	14 x M10
COLOR:	Black
GRILLE:	Custom perforated steel grille, epoxy powder coated, covered with polyurethane
INPUT CONNECTORS:	Speakon® NL4
DIMENSIONS (H x W x D):	27.36" x 16.93" x 18.11" 695 x 430 x 460 mm
WEIGHT:	76,72 lbs - 34.8 Kg

1) Measured on axis in the far field with 1 watt (2.83V RMS, 8 Ohm) input and referenced to 1 meter distance using the inverse square law. Listed sound pressure represents an average from 300 Hz to 3 kHz.

2) Using 20 Hz to 20 kHz, Pink Noise Spectrum, 2 hours, + 6 dB crest factor, with RMS voltage calculated on speaker minimum impedance.

3) Recommended Amplifier is a power capability value that should be taken as a guide.

### RELATED ACCESSORIES



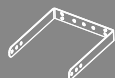
#### AC NC-FB2 p.n. 133.60.201

Adapter for suspended installations



#### AC NC15 H-BR p.n. 133.60.193

Bracket for horizontal mounting



#### AC NC15 V-BR p.n. 133.60.198

Bracket for vertical mounting

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 Mancasale, Reggio Emilia, Italy - B.

Model number: C5215-94 | C5215-96 | C5215-99 | C5215-64 | C5215-66.

##### 2.02 Design

2 way pasive speaker - LF Sub-section 15" woofer, 3" voice coil - HF Sub-section 2", 2.5" aluminium voice coil.

##### 2.03 Acoustical Proprieties

Nominal dispersion angle: Horiz. x Vert.: 90° x 40° (C5215-94) | 90° x 60° (C5215-96) | 90° x 90° (C5215-99) | 60° x 40° (C5215-64) | 60° x 60° (C5215-66) - Axial frequency range: 54 Hz - 20 kHz - Axial sensitivity 1W @ 1m: 100 dB (C5215-94, C5215-96, C5215-99), 101 dB (C5215-64, C5215-66). - Applicable power: 500 W RMS - Musical power 1000 W - Peak power 2000 W - Nominal impedance: 8 Ohm.

##### 2.03 Physical Proprieties

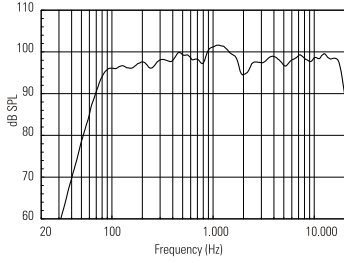
Cabinet: 15 mm birch plywood construction - Rigging inserts: 14 x M10 - Color: Black - Grille: custom perforated steel grille, epoxy powder coated, covered with polyurethane perforated cloth - Input Connectors: Speakon® NL4 - Dimensions (H x W x D): 24.8" x 14.17" x 15.35" - 630 x 360 x 390 mm - Weight: 63.93 lb - 29 Kg.

# C5215-94

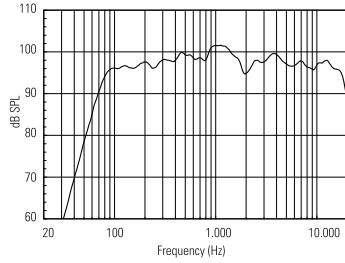
# C5215-96

# C5215-99

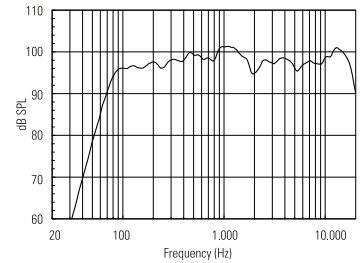
### RESPONSE 1W/1m



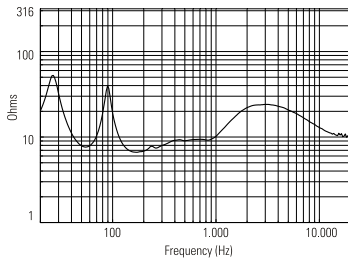
### RESPONSE 1W/1m



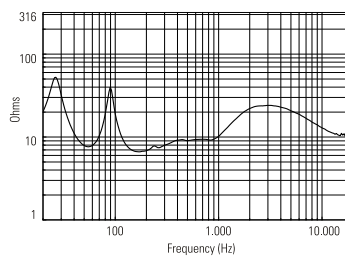
### RESPONSE 1W/1m



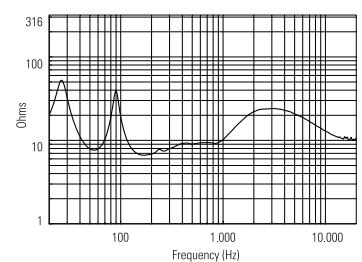
### IMPEDANCE



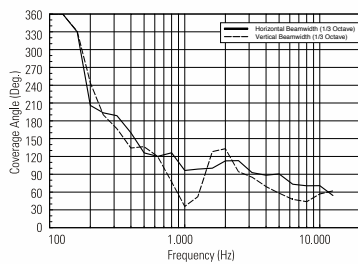
### IMPEDANCE



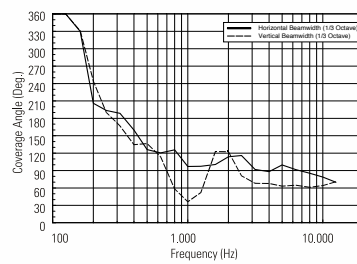
### IMPEDANCE



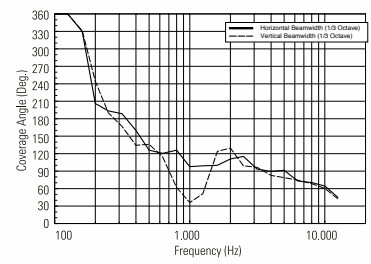
### BEAMWIDTH vs. FREQUENCY



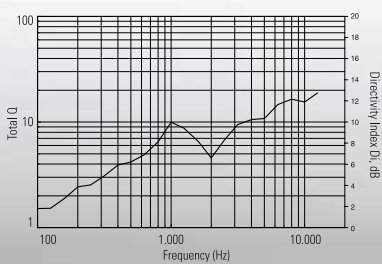
### BEAMWIDTH vs. FREQUENCY



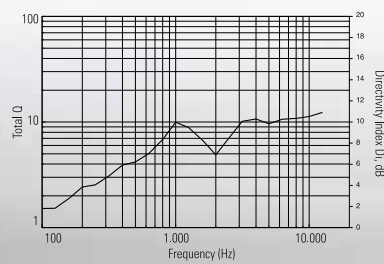
### BEAMWIDTH vs. FREQUENCY



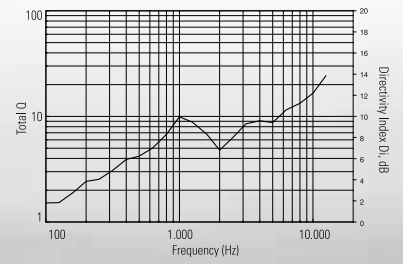
### DIRECTIVITY INDEX AND Q



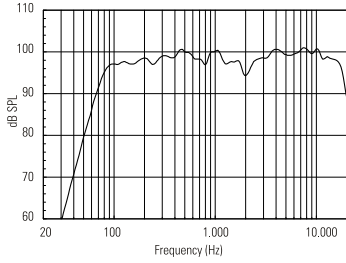
### DIRECTIVITY INDEX AND Q



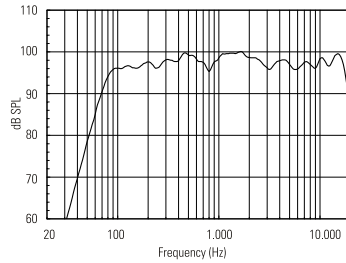
### DIRECTIVITY INDEX AND Q



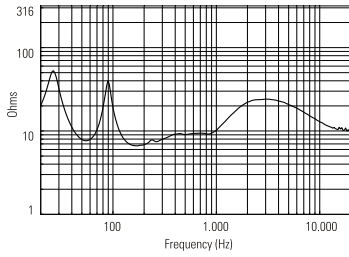
RESPONSE 1W/1m



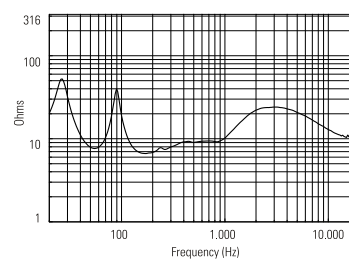
RESPONSE 1W/1m



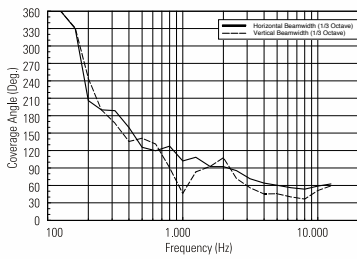
IMPEDANCE



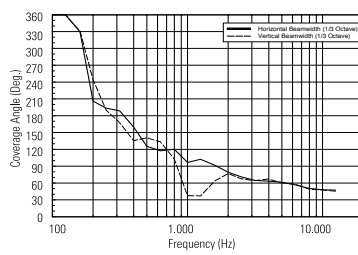
IMPEDANCE



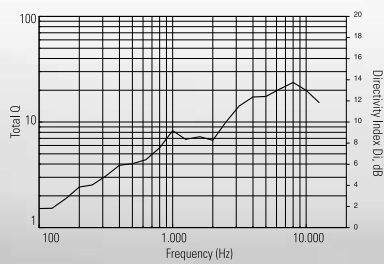
BEAMWIDTH vs. FREQUENCY



BEAMWIDTH vs. FREQUENCY



DIRECTIVITY INDEX AND Q



DIRECTIVITY INDEX AND Q

