

# TT08

## PRECISION MONITOR



The TT08 is by far the smallest member of the TT+ family, whilst being the most flexible and powerful tool in its class.

The TT08 is a full range, extremely versatile two-way loudspeaker systems offering substantial power and efficiency for a variety of professional applications: theatre and touring markets as well as fixed installations

The high-frequency section is a constant directivity CMD horn designed mathematically for Constant Matching Design in relation to the woofer system, loaded to a 1.0" RCF Precision Neodymium compression driver with a 1.70" diaphragm assembly for smooth, wide dispersion. The low-frequency section is a 8" RCF Precision Neodymium woofer. Each transducer has been specifically designed for the application. The woofer provides large excursion and very light weight. The voice coil is a 64 mm design, best compromise between power handling and low mass. The compression driver features a new pure titanium dome. Special ribs on the dome provides maximum flatness and extension in very high frequencies.

TT08 includes the LICC-Low Impedance Compensated Crossover that features markedly lower induction values in series with the woofer. The benefit is delay reduction, reduced phase shift and superior transient response. For a superior power handling high power, aluminium case, resistors are used in the crossover network. Dynamic high-frequency driver protection is accomplished with the RCF exclusive – Active Mosfet Compression Driver Protection System, chosen to complement the power curve of the driver.

The cabinet is in marine baltic birch plywood, coated with high resistance epoxy paint. The mechanical suspension and orientation is very easy thanks to two 3-points fly tracks. The cabinets features a steel pole mount cap and two different angles for near field or long field monitoring.

### Applications

- Touring
- Live music
- Permanent installations
- Main reinforcement in small spaces
- High-Level AV playback
- Cluster configurations

### Features

- 90° x 60° CMD (Constant Matching Design) constant directivity horn for smooth, wide dispersion
- 8" Neodymium Midbass with 2.5" copper inside-outside voice coil
- AMCDP (Active Mosfet Compression Driver Protection)
- LICC (Low Impedance Compensated Crossover Network)
- 2 fly tracks suspension points, 3 M10 suspension points
- 35mm standard internal pole mount

### SYSTEM

|   |                |
|---|----------------|
| Freq. Range (-10 dB):                         | 65 Hz-20 kHz   |
| Freq. Range (-3 dB):                          | -              |
| Horiz. coverage angle (-6 dB):                | 90°            |
| Vertical coverage angle (-6 dB):              | 60°            |
| Directivity factor, Q:                        | -              |
| System sensitivity <sup>1</sup> :             | 94db. 1W @ 1m  |
| Rated maximum SPL:                            | 125dB. @ 1m    |
| System Nominal Impedance:                     | 8 Ω            |
| System Input Power Rating AES <sup>2</sup> :  | 400W           |
| System Input Power Rating PEAK <sup>2</sup> : | 800W           |
| Recommended Amplifier <sup>3</sup> :          | 400W           |
| HF Protection:                                | Dynamic Mosfet |
| Crossover:                                    | 1.8 kHz        |

### TRANSDUCERS

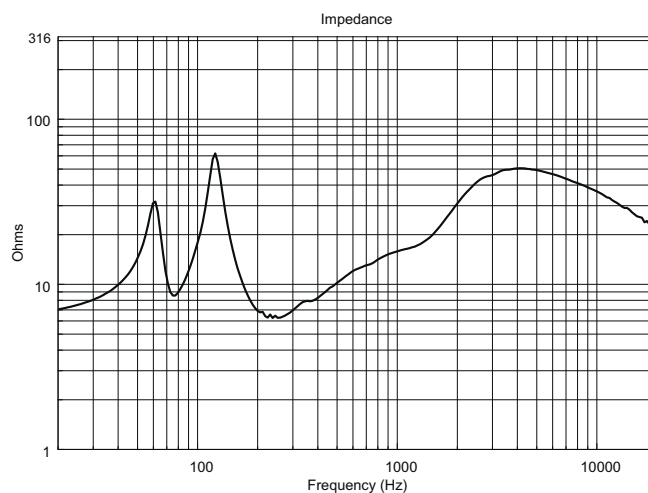
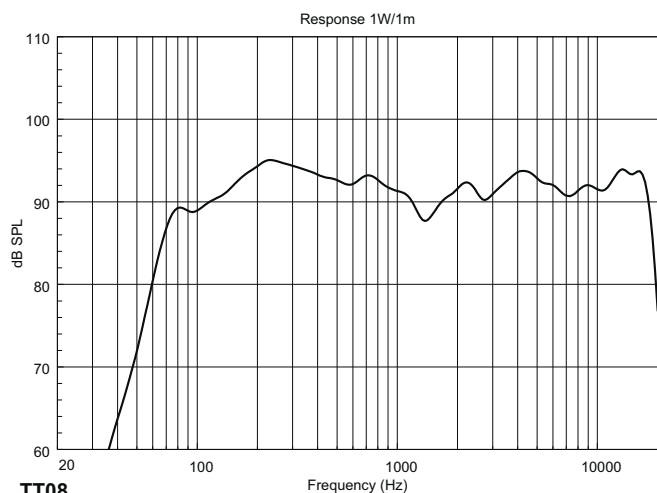
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| Low Frequency:             | 8" (203 mm) woofer with 2.5" (64 mm) coil             |
| Nominal Impedance:         | 8 Ω   |
| Input power Rating:        | 800W AES  |
| Sensitivity <sup>1</sup> : | 99 dB. 1W @ 1m  |
| High Frequency:            | 1" (25mm) throat. 1.7" (44mm) coil diaphragm assembly |
| Nominal Impedance:         | 8 Ω   |
| Input power Rating:        | 400W AES  |
| Sensitivity <sup>1</sup> : | 94dB. 1W @ 1m   |

### PHYSICAL

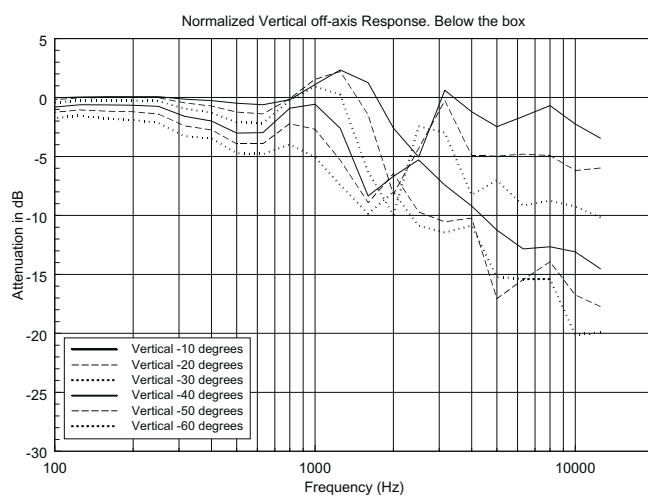
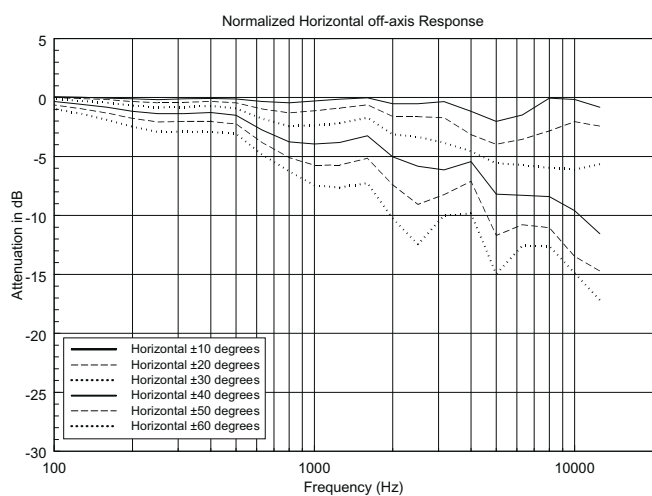
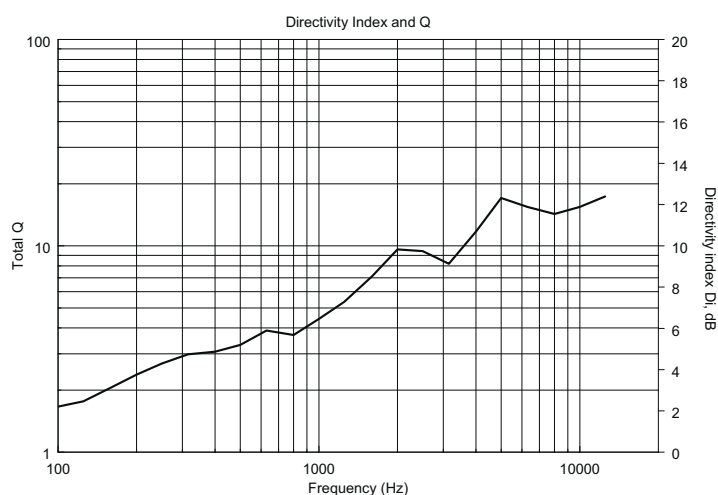
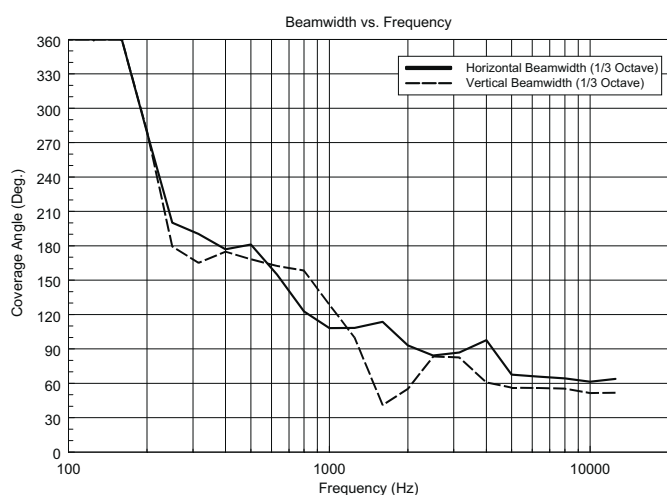
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| Enclosure:              | Trapezoidal. 20° - 40° side angles<br>12 mm birch plywood construction |
| Rigging inserts:        | 2 x fly tracks, + pole mount   |
| Color:                  | Black. scratch resistant paint   |
| Grille:                 | Custom perforated steel grille with open-cell poly fiber backing       |
| Input Connectors:       | Speakon® NL4   |
| Dimensions (H x W x D): | 16.92"x10.62"x11.92" 430x270x303 mm                                    |
| Weight:                 | 23.58 lb -10.7Kg   |

the rules of sound

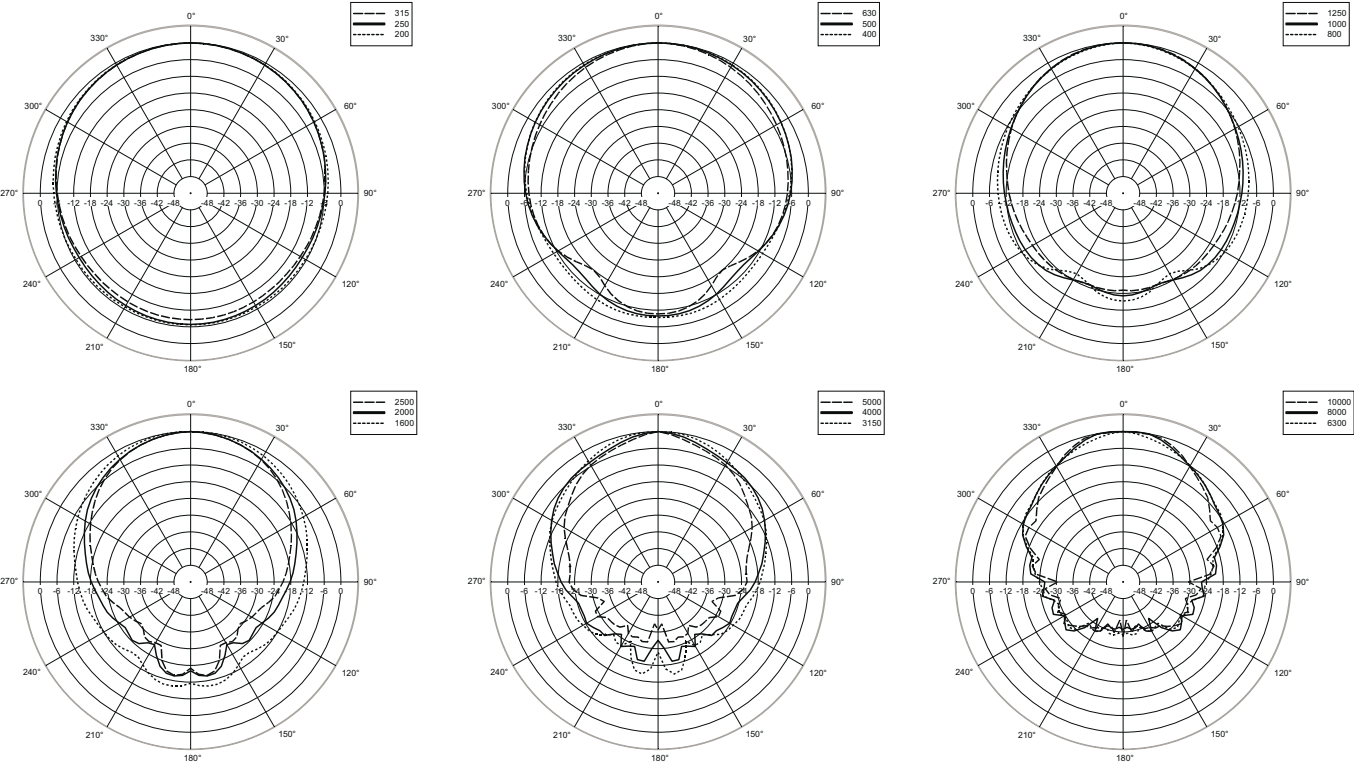




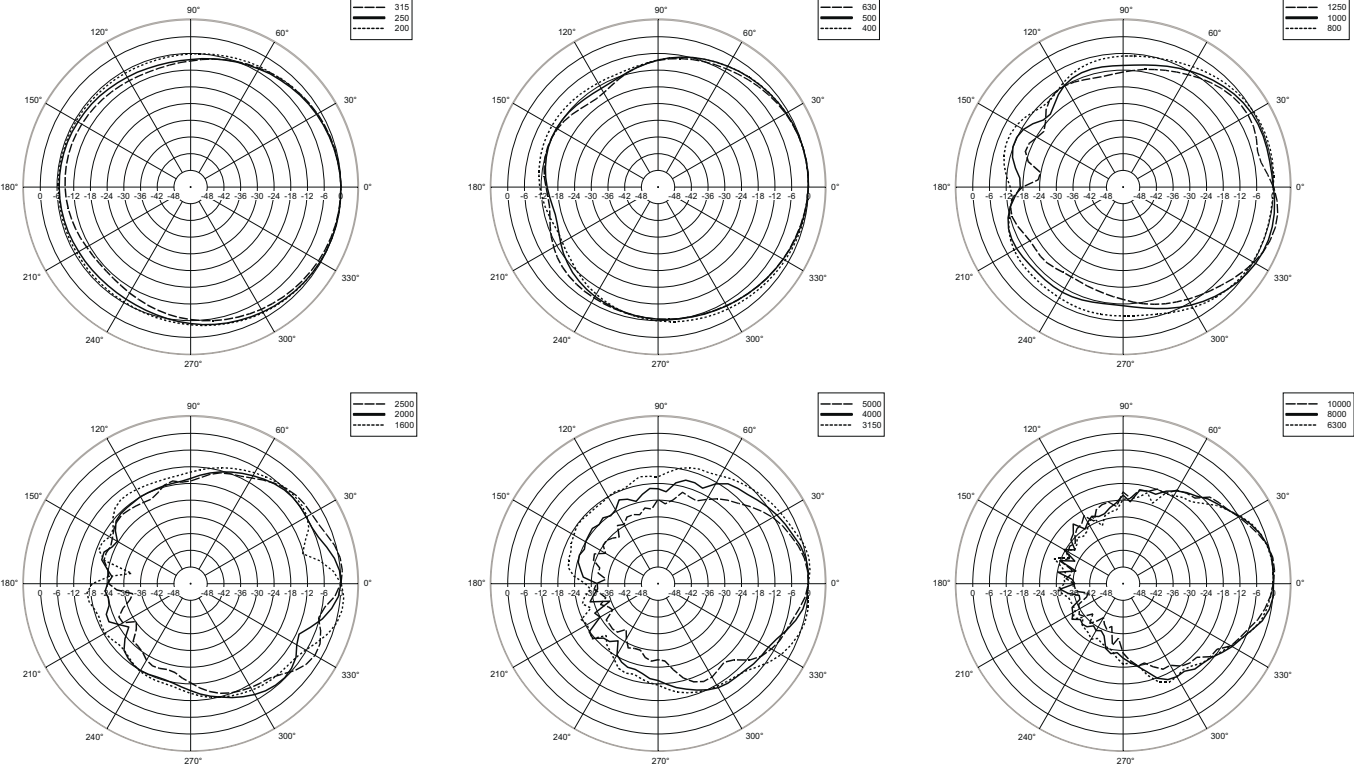
TT08



Horizontal 1/3 Polar Plot



Vertical 1/3 Polar Plot



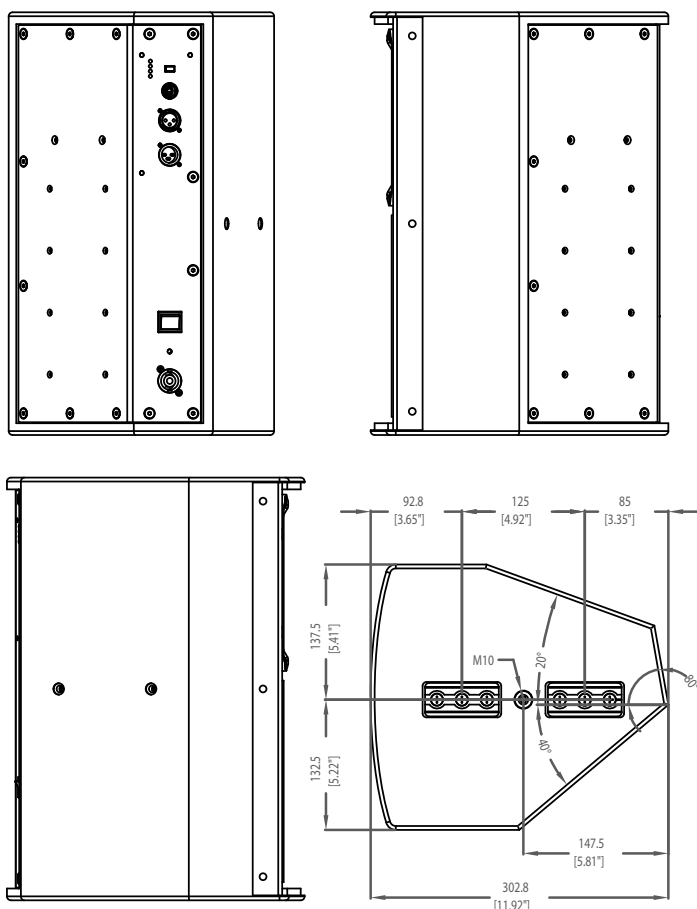
## CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS “A&E SPECIFICATIONS”)

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, 42100 Mancasale, Reggio Emilia, Italy.  
B. Model number: TT08



#### 2.02 Design

|                |                                       |
|----------------|---------------------------------------|
| Configuration  | precision monitor                     |
| LF Sub-section | 8" neodymium woofer, 64 mm voice coil |
| MR Sub-section | -                                     |
| HF Sub-section | 1,0" neodymium, 44 mm voice coil      |

#### 2.03 Acoustical Properties

|                           |            |
|---------------------------|------------|
| Nominal dispersion angle: | 90° x 60°  |
| Axial frequency range:    | 65Hz-20kHz |

#### 2.04 Physical Properties

|                         |  |
|-------------------------|--|
| Cabinet:                | Baltic birch   |
| Rigging inserts:        | -  |
| Color:                  | Black  |
| Grille:                 | Custom perforated steel grille with open-cell poly fiber backing |
| Input Connectors:       | Speakon® NL4   |
| Dimensions (H x W x D): | 430 x 270 x 303 mm (16.93" x 10.63" x 11.93")                    |
| Weight:                 | 10.7 kg (23.58 lbs.)   |

#### 2.05 Accessories

|           |  |
|-----------|--|
| AC PM M20 | M20 pole mount for TT08 speakers                     |
| ACS 260   | Steel speaker floor stand, load capacity up to 60 kg |
| ACS 140   | Steel speaker floor stand, load capacity up to 40 kg |
| AC DS4X   | Kit 4 hook kit for suspending fly track bar.         |
| AC EB4X   | Kit including No. 4 shouldered 0.39 inch eye bolts   |

