# ART 725-A MKII

## TWO WAY ACTIVE SPEAKER

RCF ART 725-A is 2 way active systems offering substantial power for a variety of professional applications that include primary sound reinforcement and supplementary fill for larger systems.
RCF ART 725-A is equipped with a new generation of 750 Watt Digital Amplifier, 500 Watt for the woofer and 250 Watt for the compression driver, and is controlled by a multiway DSP. The result of this is very high output, extremely low distortion and an incredible natural sound. The Dsp takes care of crossovers, equalisations, soft-limiters, rms limiters, large signals compression. The amplifier presents both XLR/jack (Combo) balanced inputs, XLR output link, volume and a switchable EQ Mode (Flat/ Boost).
The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.
The compression driver uses a 2" throat diameter titanium dome featuring a vented suspension and is powered from a massive high flux magnet and an edge wound 2,5" aluminium voice coil. This top class driver offers a high output, transparent midrange sound and clarity in high frequencies reproduction.
RCF ART 725-A features a 15" inch woofer that, with a 3" inside-outside aluminium coil and a powerful magnetic structure, guarantees a fast and accurate mid-bass frequency range.
The new loudspeaker design looks aggressive whilst retaining familiar Art ergonomics and is the result of extensive combined functional and acoustic research.
The Art 7 Series two-way system cabinets are moulded in a special polypropylene composite material and are designed to dampen down vibrations even at maximum volume settings. The reflex porting has been resized to offer a better efficiency.

### APPLICATIONS

- Compact live sound reinforcement
- Portable PA
- Frontfill and sidefill
- Houses of worship, auditoriums, retail, clubs, ballrooms, corporate AV, live theatre, theme parks
- High-output drum or keyboard monitor

### FEATURES

- 750 Watt digital bi-amplification, 500 Watt Low Frequency and 250 Watt High Frequency Power
- 131 dB max spl
- Wide dispersion 90 x 60 constant directivity horn
- 15" High power woofer, 3" voice coil
- 2" Titanium dome, high frequency driver
- Electronic equalization, soft limiter and protection
- Xlr/jack input, xlr signal output
- 2 side handles and 1 ergonomic top handle for easy transportation and positioning

### ACOUSTICAL SPECIFICATIONS

| | |
|---|---|
| Frequency response: | 45 Hz- 20 Khz |
| Max SPL: | 131 dB |
| Horizontal coverage angle: | 90° |
| Vertical coverage angle: | 60° |
| Compression driver: | 2.0" , 2.5" voice coil |
| Midrange: | - |
| Woofer: | 15", 3" voice coil |

### INPUT SECTION

| | |
|---|---|
| Input signal (Impedance): | bal/unbal |
| Input/Output connector: | xlr-jack/xlr |
| Input sensitivity: | +4 dBu |

### PROCESSOR SECTION

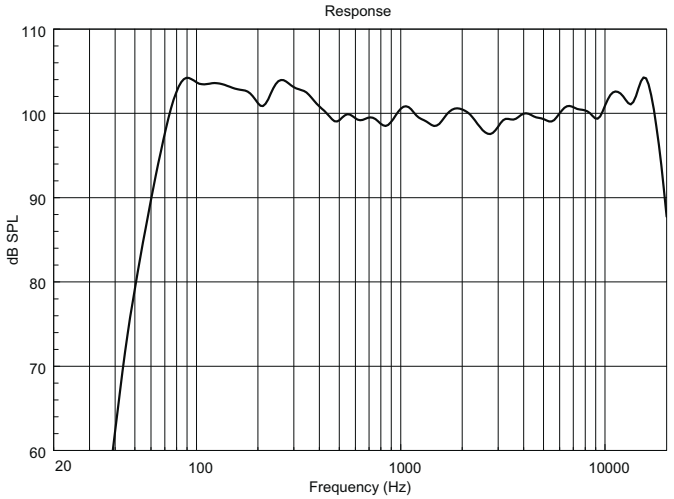
| | |
|---|---|
| Crossover frequencies: | 1200 Hz |
| Protections: | thermal, hf |
| Limiter: | fast limiter |
| High pass: | - |
| Controls: | volume, flat, boost, mic/line |

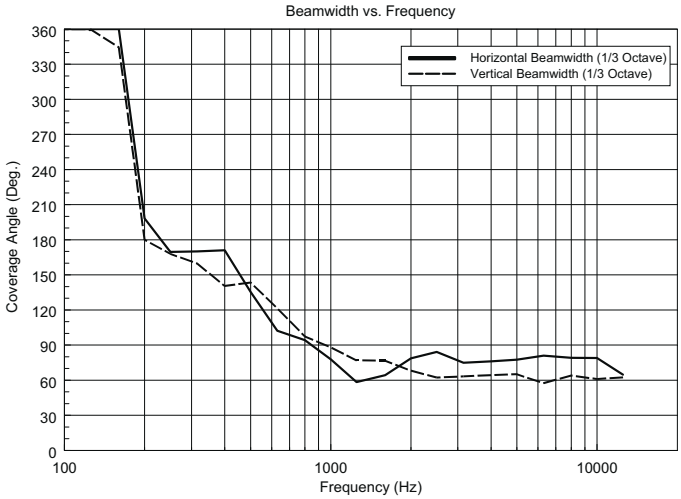
### AMPLIFIER

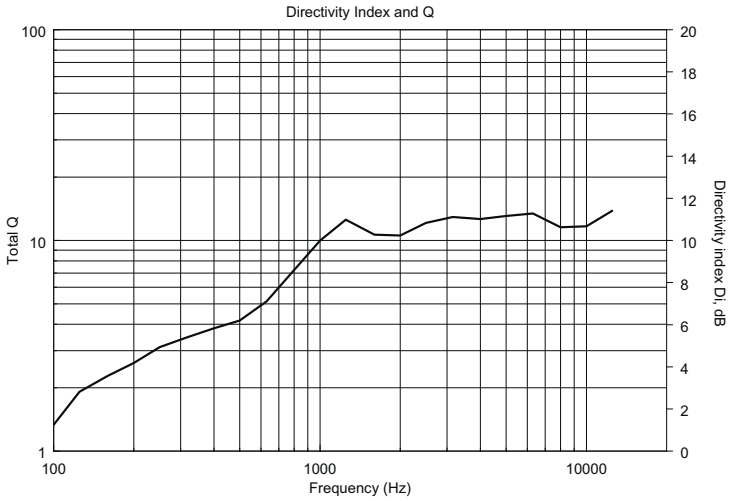
| | |
|---|---|
| Power supply: | switching 750 Watt |
| High frequencies: | D / 250 Watt |
| Mid frequencies: | - |
| Low frequencies: | D / 500 Watt |
| Cooling: | convenction/forced |
| Connection: | VDE |

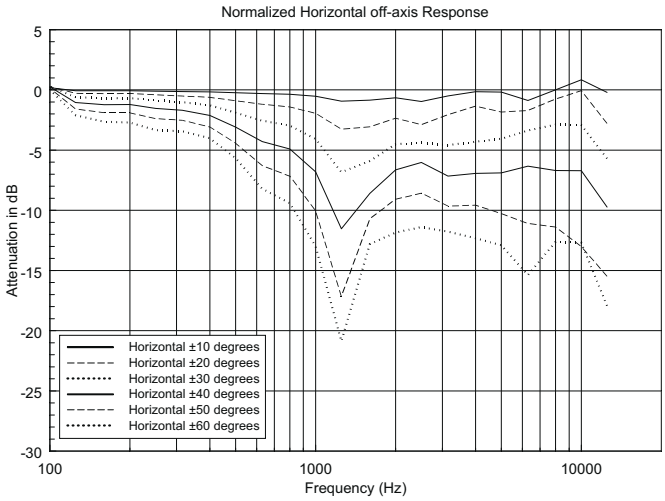
### PHYSICAL

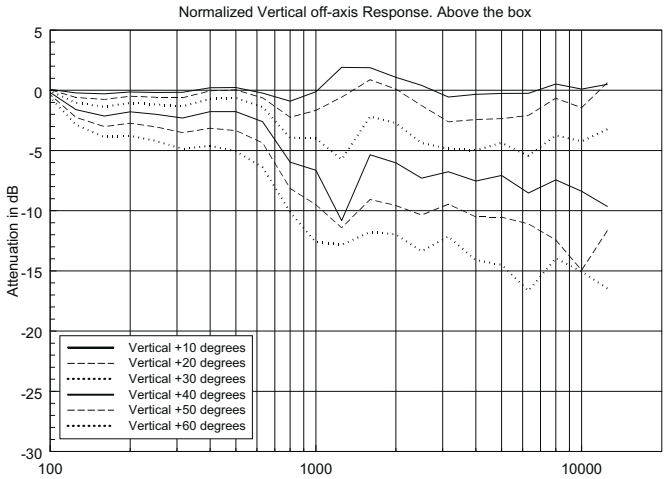
| | |
|---|---|
| Height: | 708 mm (27,87") |
| Width: | 437 mm (17,20") |
| Depth: | 389 mm (15,31") |
| Weight: | 24.6 kg (54.23 lbs) |
| Cabinet: | Composite PP |
| Hardware: | 2 x flying p., pole mount |
| Handles: | 1top, 2 on side |
| Pole mount cap | yes |
| Colour: | Black |

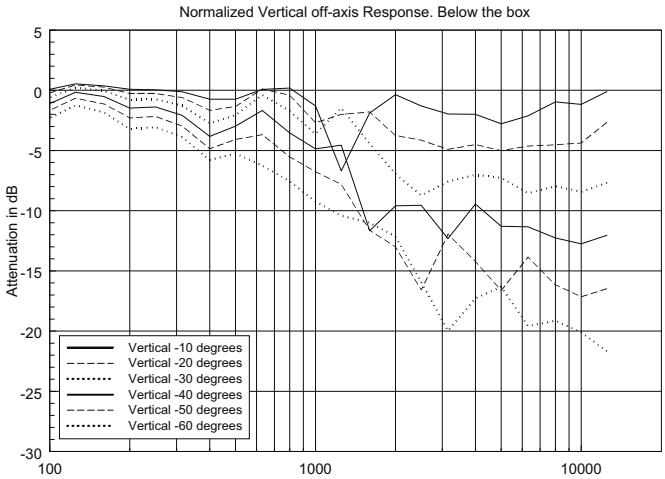

Response
dB SPL
Frequency (Hz)


Beamwidth vs. Frequency
Horizontal Beamwidth (1/3 Octave)
Vertical Beamwidth (1/3 Octave)
Coverage Angle (Deg.)
Frequency (Hz)

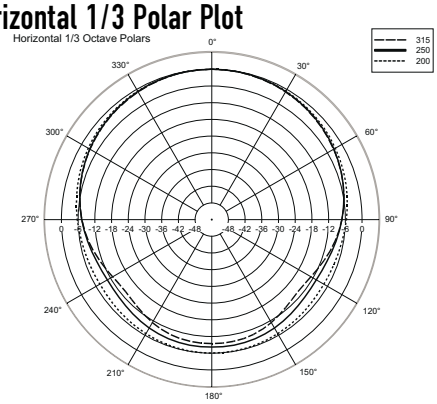

Directivity Index and Q
Total Q
Directivity index Di, dB
Frequency (Hz)

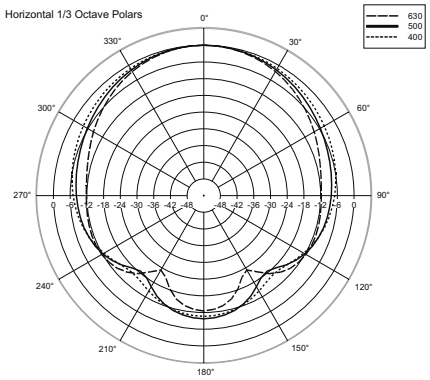

Normalized Horizontal off-axis Response
Horizontal ±10 degrees
Horizontal ±20 degrees
Horizontal ±30 degrees
Horizontal ±40 degrees
Horizontal ±50 degrees
Horizontal ±60 degrees
Attenuation in dB
Frequency (Hz)

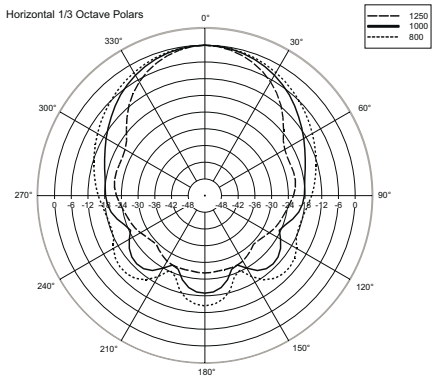

Normalized Vertical off-axis Response. Above the box
Vertical +10 degrees
Vertical +20 degrees
Vertical +30 degrees
Vertical +40 degrees
Vertical +50 degrees
Vertical +60 degrees
Attenuation in dB

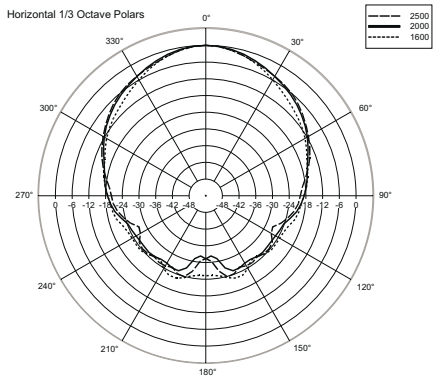

Normalized Vertical off-axis Response. Below the box
Vertical -10 degrees
Vertical -20 degrees
Vertical -30 degrees
Vertical -40 degrees
Vertical -50 degrees
Vertical -60 degrees
Attenuation in dB

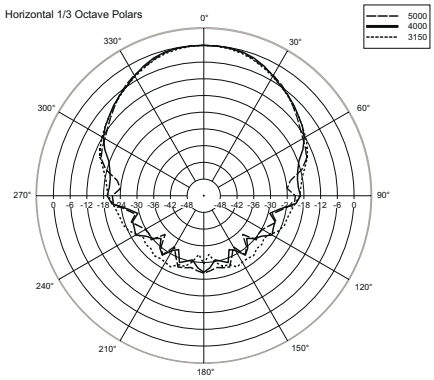
## Horizontal 1/3 Polar Plot

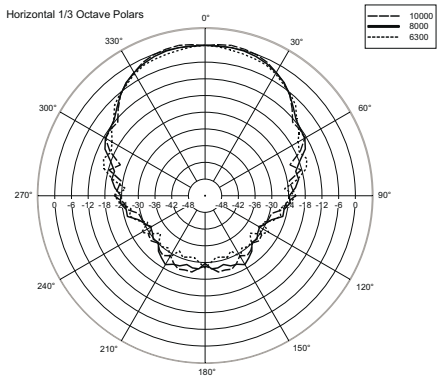


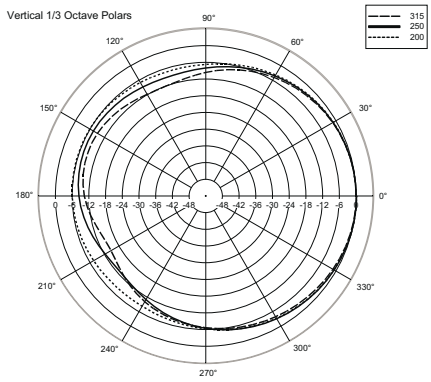



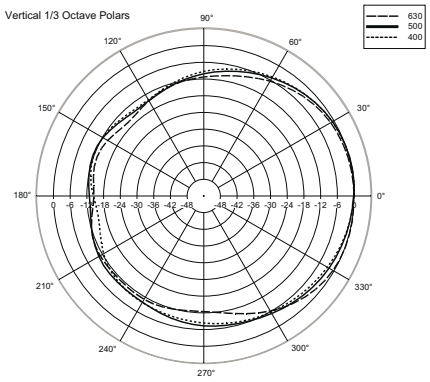



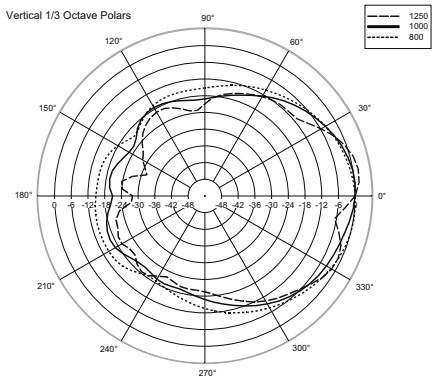



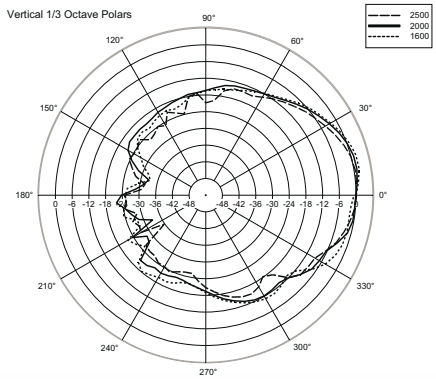



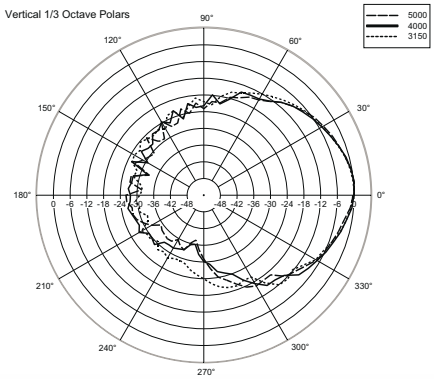

## Vertical 1/3 Polar Plot

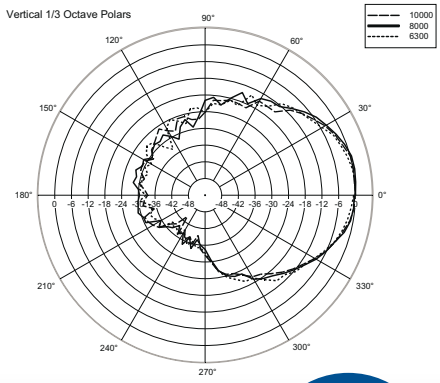


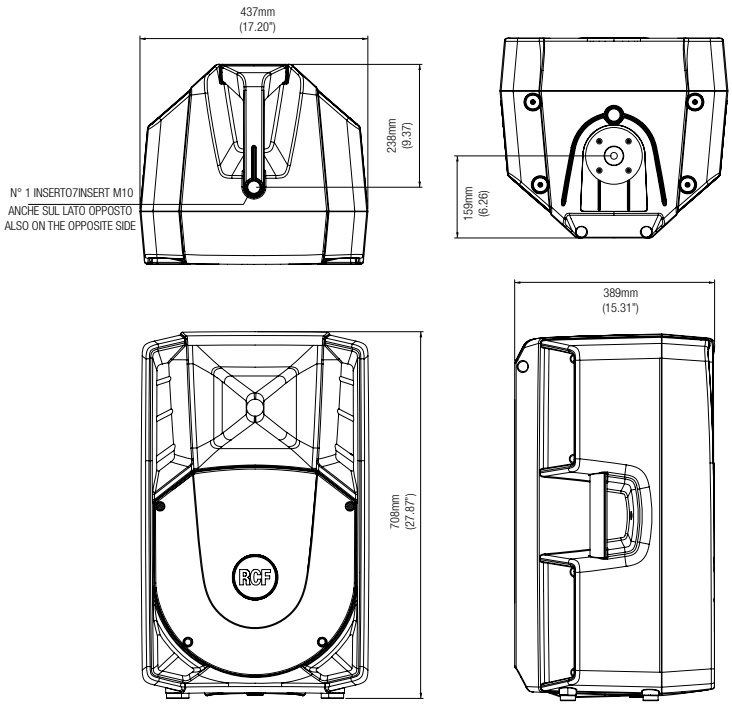
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")

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: ART 725-A MKII




## 2.02 Design

| | |
|---|---|
| Configuration: | Two way active speaker |
| LF Sub-section: | 15" woofer, 3" voice coil |
| MR Sub-section: | - |
| HF Sub-section: | 2,0" driver , 2.5" voice coil |

## 2.03 Acoustical Proprieties

| | |
|---|---|
| Nominal dispersion angle: | 90° x 60° |
| Axial frequency range: | 45Hz-20kHz |

## 2.04 Physical Properties

| | |
|---|---|
| Cabinet: | Composite PP |
| Rigging inserts: | 2 x M10, pole mount |
| Color: | Black |
| Grille: | Custom perforated steel grille with open-cell poly fiber backing |
| Input Connectors: | xlr-jack |
| Dimensions (H x W x D): | 708 x 437 x 389 mm (27,87" x 17,20" x 15,31") |
| Weight: | 27kg (59.52 lbs.) |

## 2.05 Accessories

| | |
|---|---|
| AC S260 | Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 60kg, Weight 7.8 Kg, H MIN/MAX 170cm/240cm. Length once folded 123cm |
| AC S140 | Aluminium speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 40kg, Weight 2.7 Kg, H MIN/MAX 140cm/214cm. Length once folded 107cm |
| AC PRO-FS | Steel speaker floor stand with folding base and telescopic rod, tube diameter 35mm. Load capacity up to 50kg, Weight 4.5 Kg, H MIN/MAX 137cm/210cm. Length once folded 102cm |
| AC PRO-LF | Steel professional adapter sleeve for speaker floor stand, tube diametro 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm |
| AC PRO-PM | Steel pole mount accessory for a satellite speaker on a subwoofer, tube diametro 35 mm. Load capacity up to 35Kg, Weight 2.4 Kg, H MIN/MAX 95cm/137cm |
| AC EB4X | Kit including No. 4 shouldered 10mm eye bolts |
| AC PMA | Speaker pole mount |
| AC ART715 H-BR | Horizontal bracket for ART 715-A and ART 725-A |
| Cover ART725 | Art Cover for ART725-A |