

ART 745-A

TWO WAY ACTIVE SPEAKER



The ART 745-A it's a unique product in his category. The titanium dome, 4.0" voice coil neo compression driver offers a unique vocal clarity and sound projection.

The 15" neo woofer offers an extremely linear response and a precise, deep low frequency control.

The transducers are built in our factory in Italy using the most advanced assembly technologies.

RCF ART 745-A is equipped with a new generation of 700 Watt Digital Amplifier, 500 Watt for the woofer and 200 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 1.5" throat diameter titanium dome featuring a vented suspension and is powered from a massive high flux magnet and an edge wound 4" aluminium voice coil. This top class driver offers a high output, transparent midrange sound and clarity in high frequencies reproduction.

RCF ART 745-A features a 15" inch woofer that, with a 3.5" 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

- 1400 Watt Peak, 700 Watt RMS digital amplifier
- 133 dB max spl
- 90 x 60, Wide dispersion constant directivity horn
- 15" NEO woofer, high power 3.5" voice coil
- HF NEO driver, titanium dome, 4" voice coil
- PFC power factor correction
- DSP Processing

ACOUSTICAL SPECIFICATIONS

| | |
|----------------------------|-------------------------|
| Frequency response: | 45 Hz- 20 KHz |
| Max SPL: | 133 dB |
| Horizontal coverage angle: | 90° |
| Vertical coverage angle: | 60° |
| Compression driver: | 1.5" neo, 4" voice coil |
| Midrange: | - |
| Woofer: | 15"neo, 3.5" voice coil |

INPUT SECTION

| | |
|---------------------------|-----------------|
| Input signal (Impedance): | bal/unbal |
| Input/Output connector: | Combo xlr-jack |
| Input sensitivity: | -2 dBu / +4 dBu |

PROCESSOR SECTION

| | |
|------------------------|------------------|
| Crossover frequencies: | 650 Hz |
| Protections: | thermal, RMS |
| Limiters: | Soft limiter |
| High pass: | - |
| Controls: | Volume, EQ shape |

AMPLIFIER

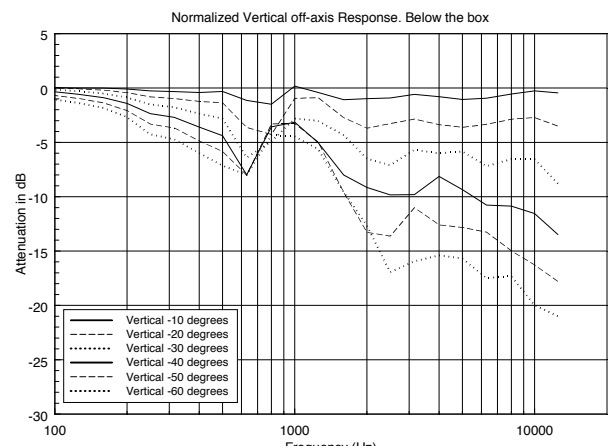
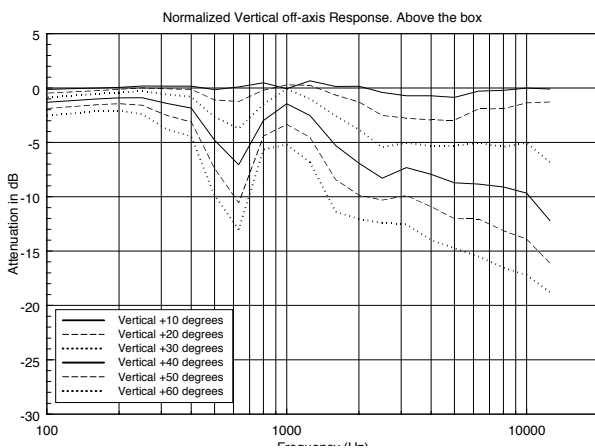
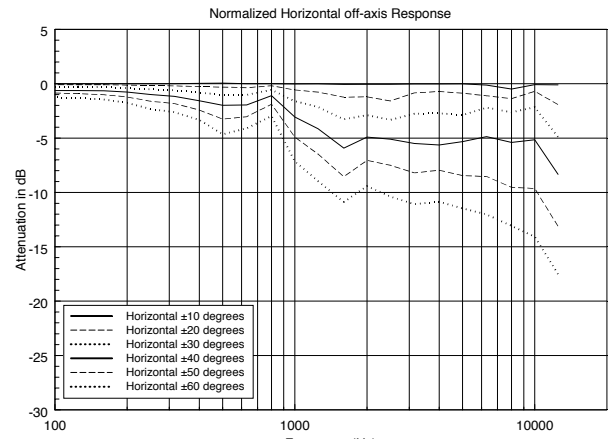
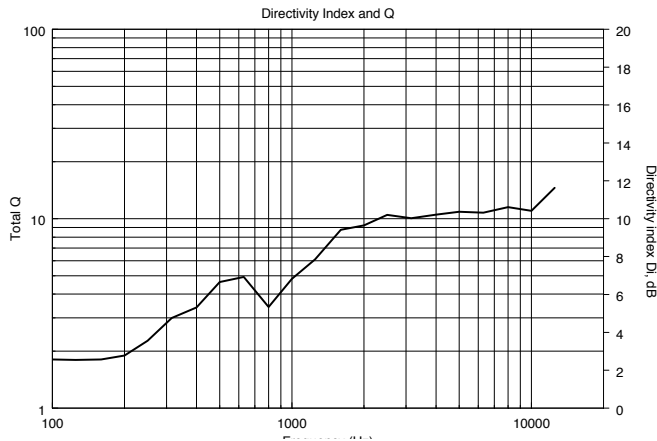
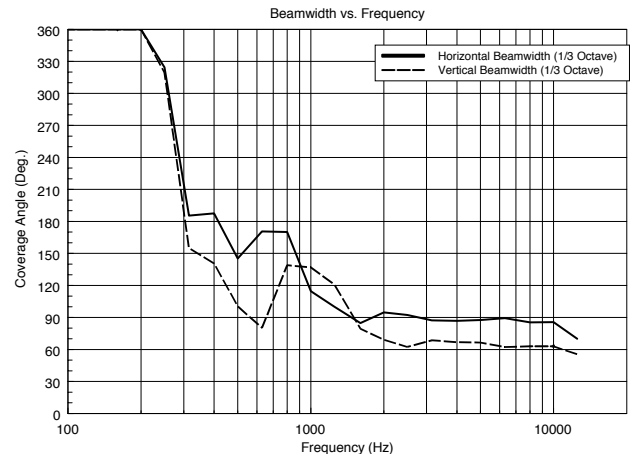
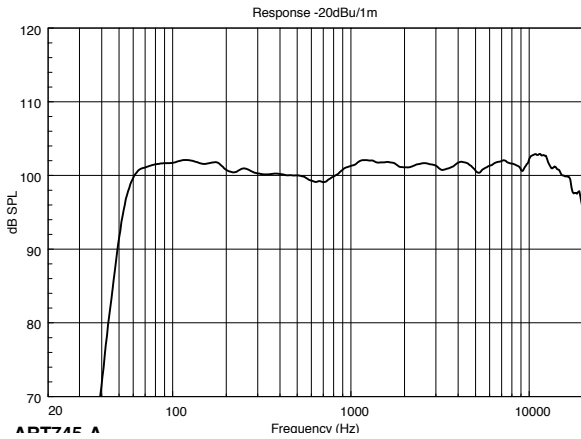
| | |
|-------------------|--------------------|
| Power supply: | switching 700 Watt |
| High frequencies: | D / 200 Watt |
| Mid frequencies: | - |
| Low frequencies: | D / 500 Watt |
| Cooling: | convection/forced |
| Connection: | VDE |

PHYSICAL

| | |
|----------------|---------------------------|
| Height: | 708 mm (27,87") |
| Width: | 437 mm (17,20") |
| Depth: | 389 mm (15,31") |
| Weight: | 19.6 kg (43.2 lbs) |
| Cabinet: | Composite PP |
| Hardware: | 2 x flying p., pole mount |
| Handles: | 1 top, 2 on side |
| Pole mount cap | yes |
| Colour: | Black |

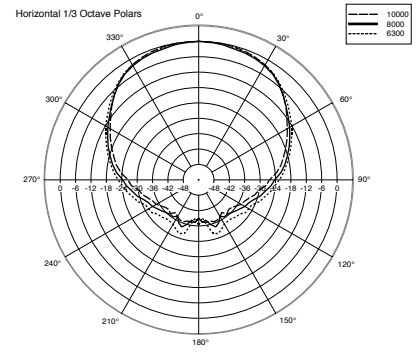
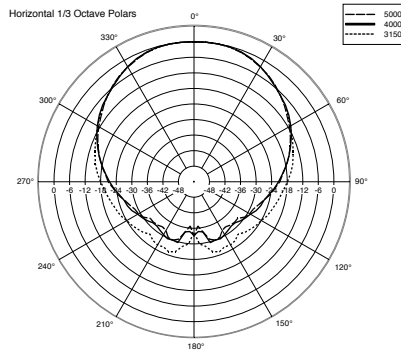
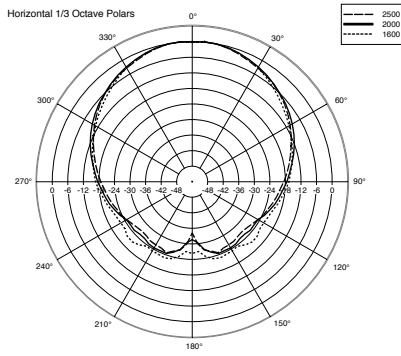
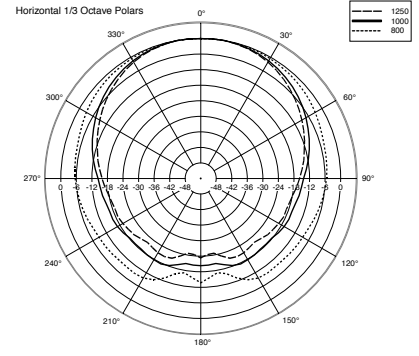
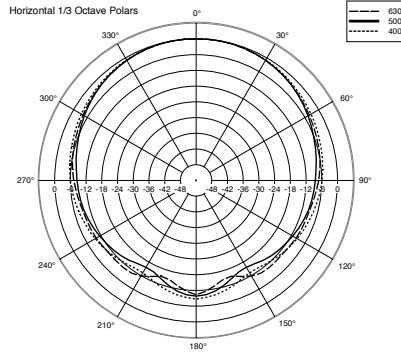
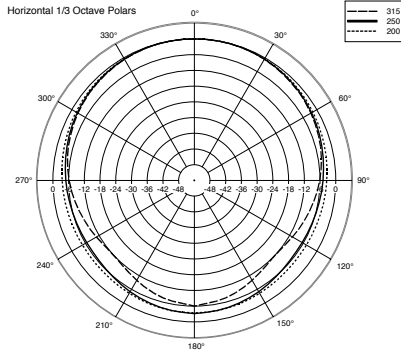


ART 745-A

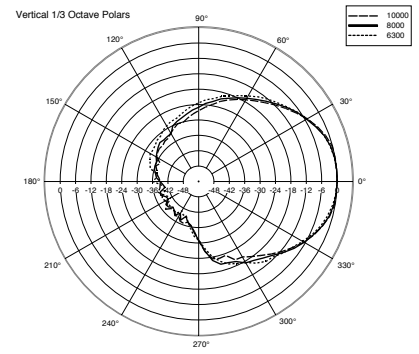
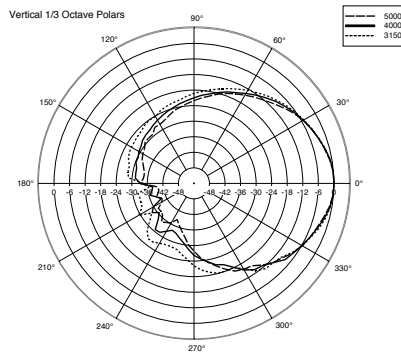
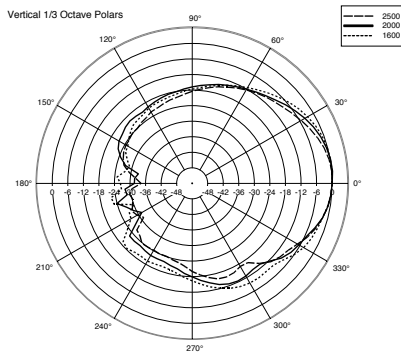
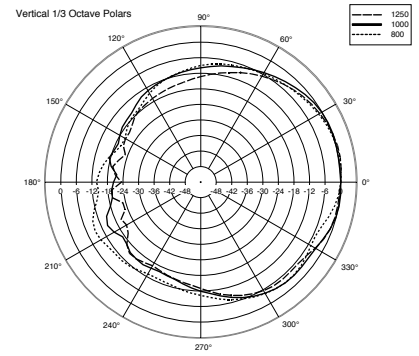
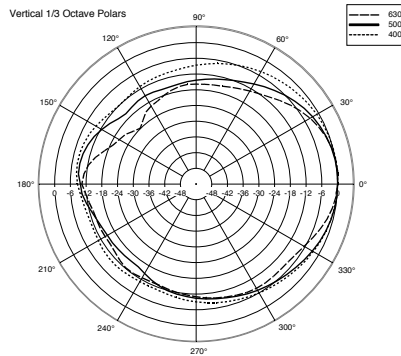
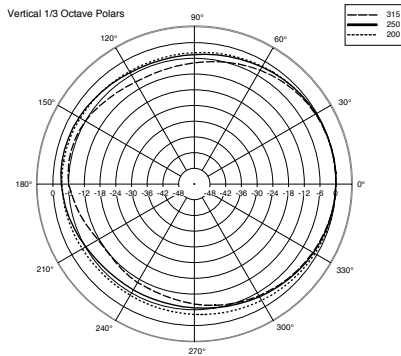


ART 745-A

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT



ART 745-A

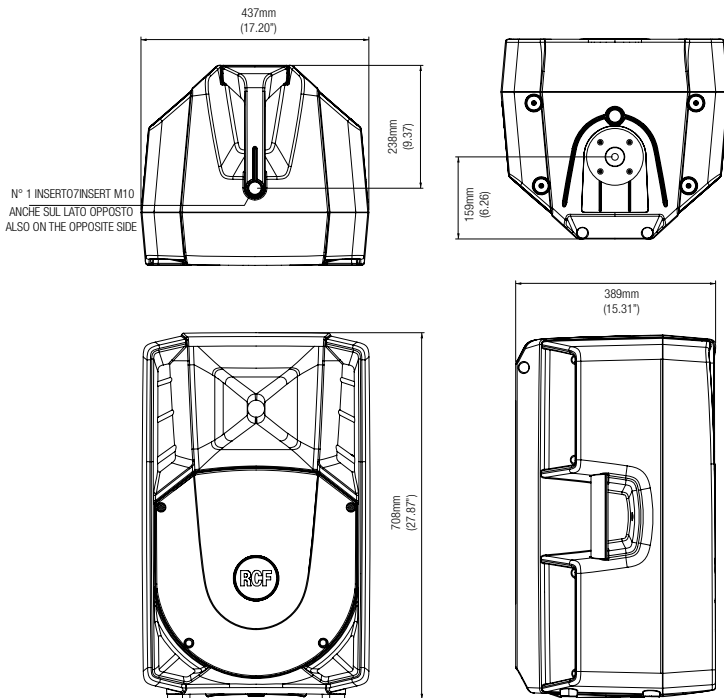
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

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 745-A



2.02 Design

| | |
|-----------------|-----------------------------------|
| Configuration: | Two way active speaker |
| LF Sub-section: | 15" neo woofer, 3.5" voice coil |
| MR Sub-section: | - |
| HF Sub-section: | 1.5" neo driver , 4.0" 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: | 19.6kg (43.2 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 |