

ART 745-A

TWO WAY ACTIVE SPEAKER



The ART 745-A is a unique product in its 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 stabilizes the amplifier during transportation but also assists 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" , 4" voice coil
Midrange:	-
Woofer:	15" , 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
Limiter:	Soft limiter
High pass:	-
Controls:	Volume, EQ shape

AMPLIFIER

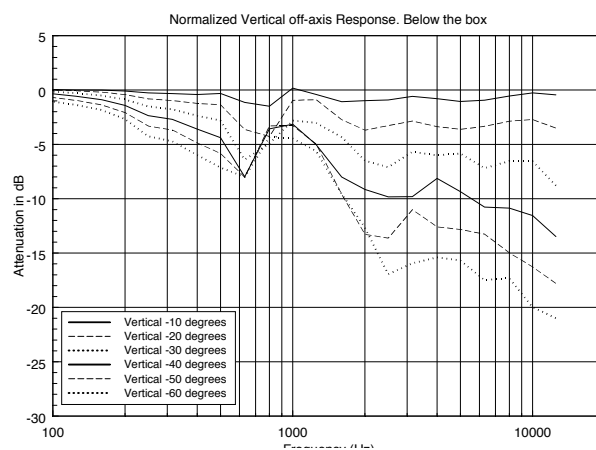
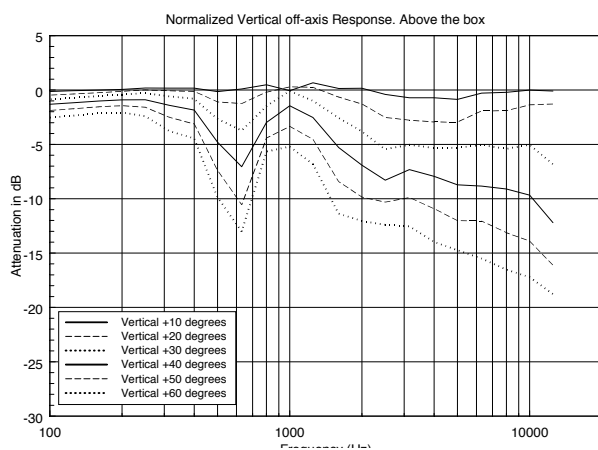
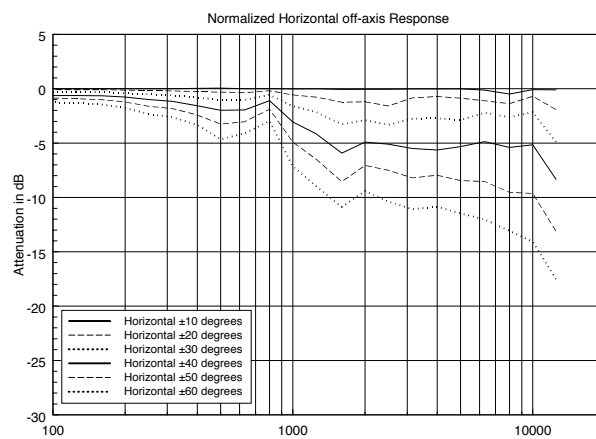
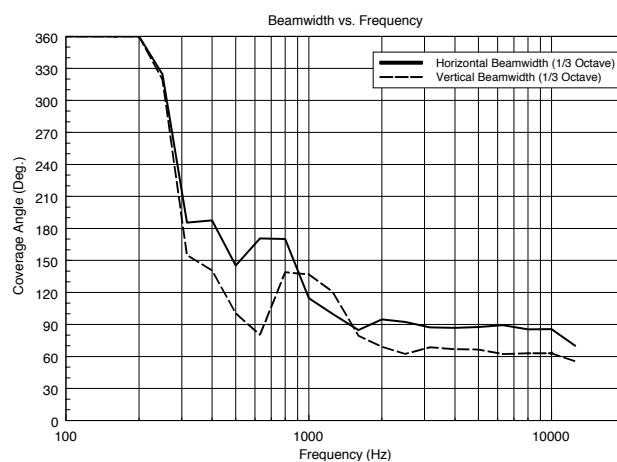
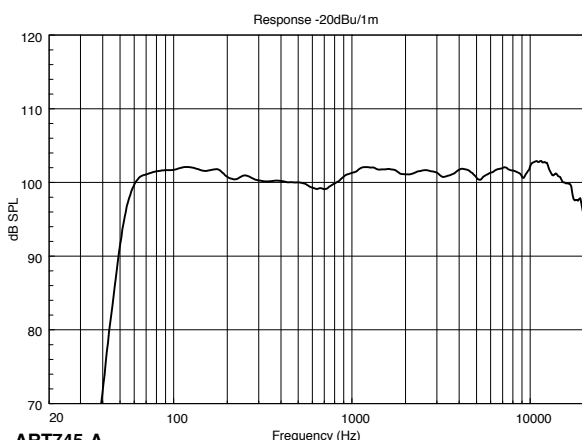
Power supply:	switching 700 Watt
High frequencies:	D / 200 Watt
Mid frequencies:	-
Low frequencies:	D / 500 Watt
Cooling:	convection/forced
Connection:	VDE

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:	1top, 2 on side
Pole mount cap	yes
Colour:	Black

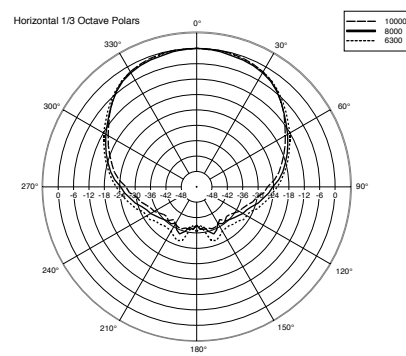
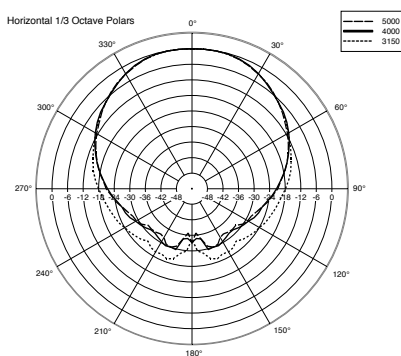
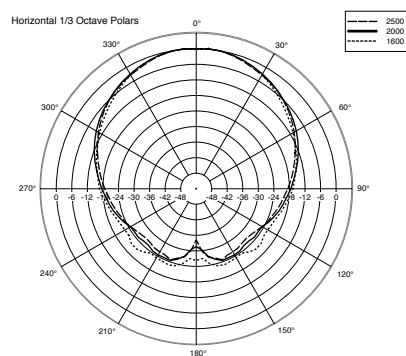
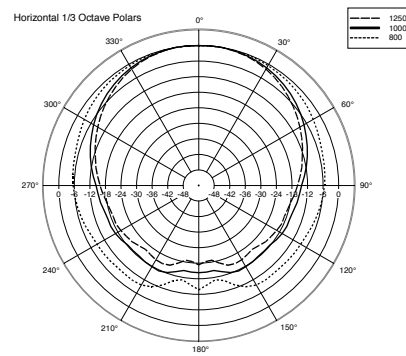
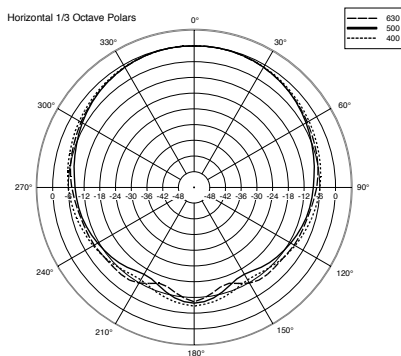
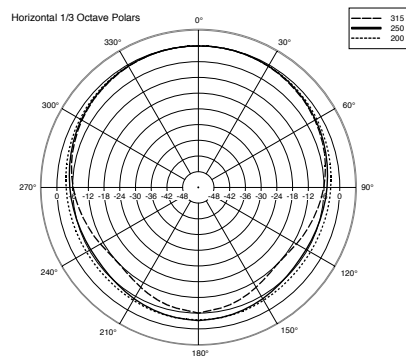


ART 745-A

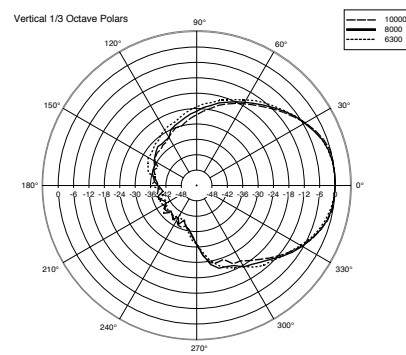
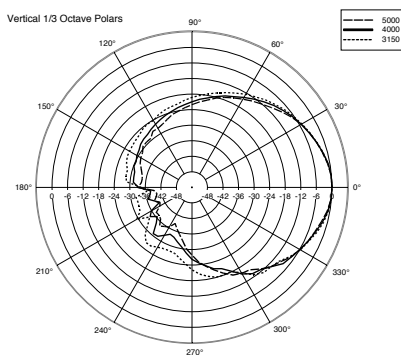
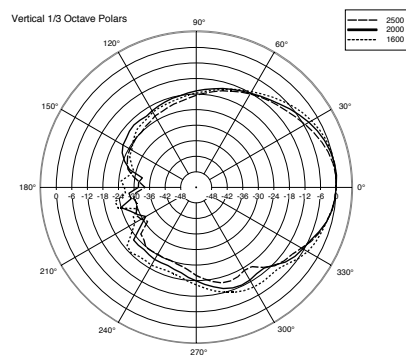
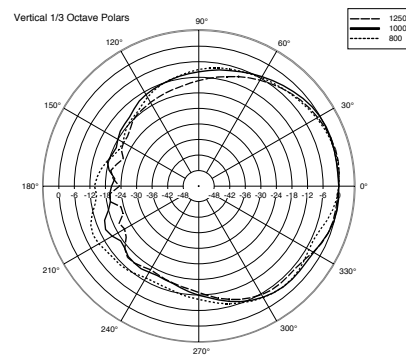
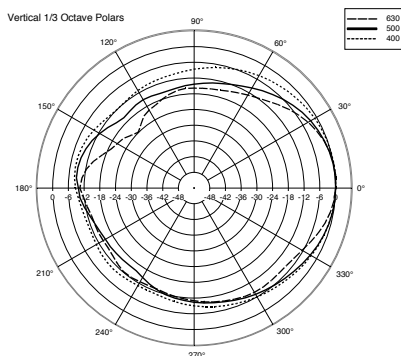
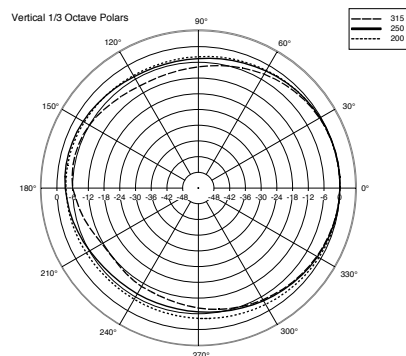


ART 745-A

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT



ART 745-A

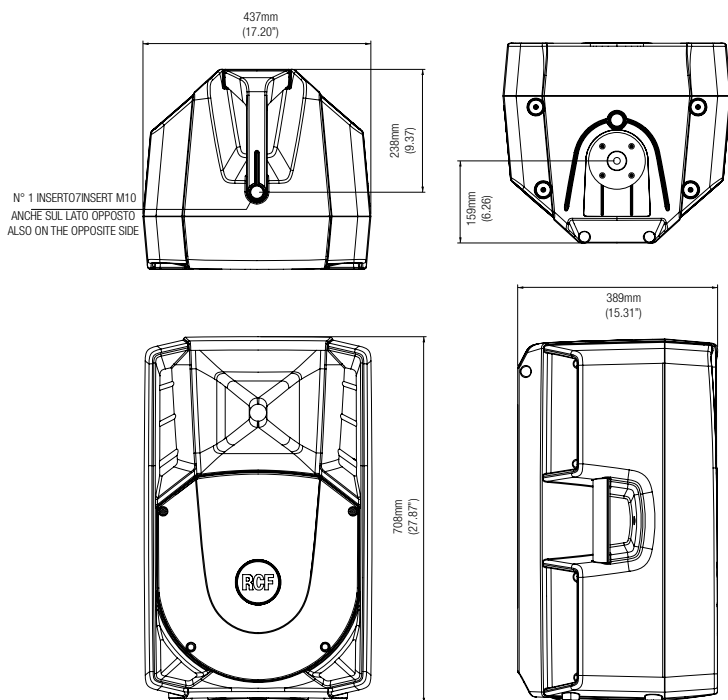
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS
(ALSO KNOWN AS "A&E SPECIFICATIONS")

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" woofer, 3.5" voice coil
MR Sub-section:	-
HF Sub-section:	1.5" neo driver , 4.0" voice coil

2.03 Acoustical Properties

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