

ART 425-A MKII

TWO-WAY SYSTEM



DESCRIPTION

RCF ART 425-A MK II is an active, wide dispersion 2 way sound reinforcement speaker. It integrates a high power 400 watt digital amplifier, a complete electronic processor section and RCF low distortion, high power transducers. The system is unique in its class for output and vocal intelligibility.

A new 15" woofer design with 3" voice coil has been specifically developed for the ART 425-A. Combined with the perfect reflex port design of the speaker, the new woofer delivers an extremely accurate reproduction of the mid-bass frequencies and a punchy bass.

The new 2" compression driver with a pure titanium dome developed for the ART 425-A MK II features a complex geometry suspension and direct drive coil offering a transparent midrange sound and extreme fidelity in high frequencies reproduction.

RCF ART 425-A MK II is equipped with a new generation of 400 Watt Digital Amplifier. The result of this is very high output, extremely low distortion and an incredible natural sound. Each amplifier presents both XLR In/Out connectors and a Jack input for the maximum connection versatility. An easy to reach volume knob on the back allows to set the overall volume of the speaker according to its application. A switchable EQ Mode make it easier to select among two different equalisation presets: Extended response switch, which slightly emphasizes the bass response for playback music and low volume applications or Linear response switch, for using the speaker to amplify a live mix. 3 status LEDs – Power / Signal / Status are provided for monitoring the system.

An integrated DSP manages crossover, Eq., soft limiter, compressor and dynamic bass boost.

ART 4 cabinets are moulded on a special polypropylene composite material and are designed to dampen down vibrations even at maximum volume settings. The cabinet shape allows every ART 4 speaker to be used also in stage monitor configuration. At the bottom of the speakers a rugged stainless steel pole mount has been provided for deploying the speakers on stands or on subwoofers.

The woofer is protected from a strong, powder coated, metal grille. The cabinet features 2 M10 threaded fly points and an ergonomic top handle for easy transportation.

MAIN 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

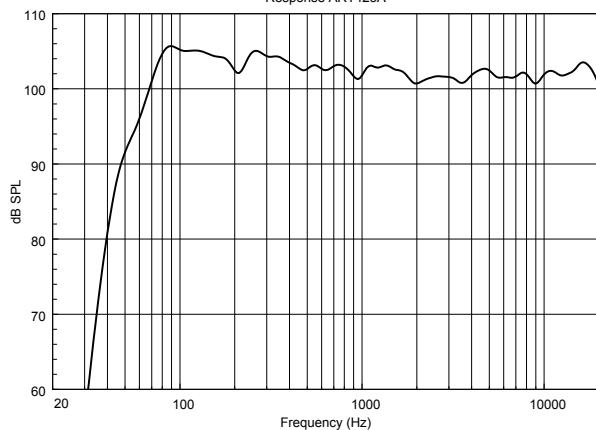
MAIN FEATURES

- 400 Watt digital bi-amplification, 300 Watt Low Frequency and 100 Watt High Frequency Power
- 129 dB max spl
- Wide dispersion 90 x 60 constant directivity horn
- 15" High power woofer, 3" voice coil
- 2" High frequency driver, 2.5" voice coil
- Electronic equalization, soft limiter and protection
- Xlr/jack combo input, xlr signal output
- 2 side handles and 1 ergonomic top handle for easy transportation and positioning

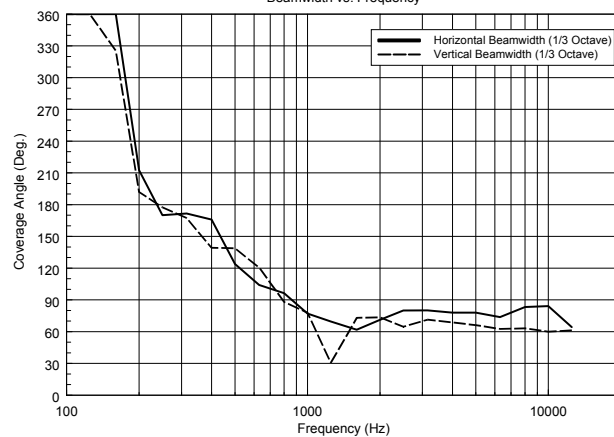


ART 425-A MKII

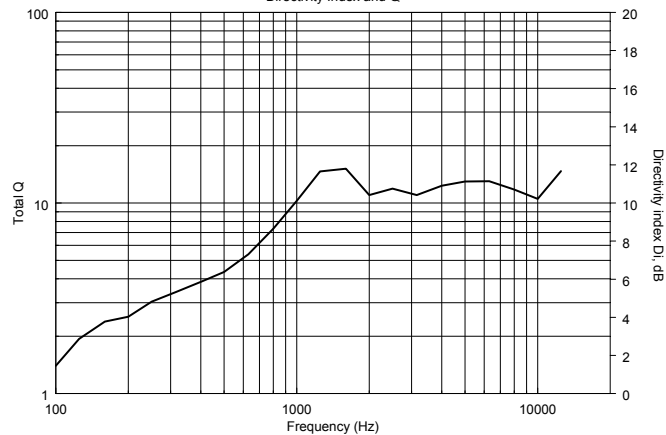
Response ART425A



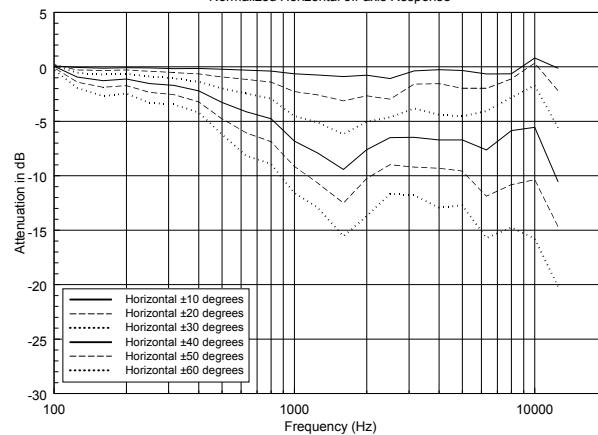
Beamwidth vs. Frequency



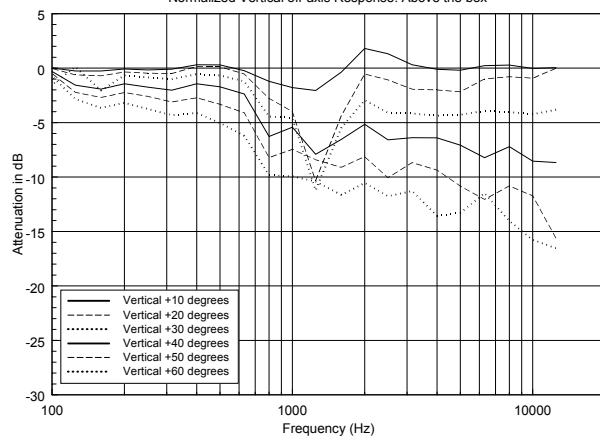
Directivity Index and Q



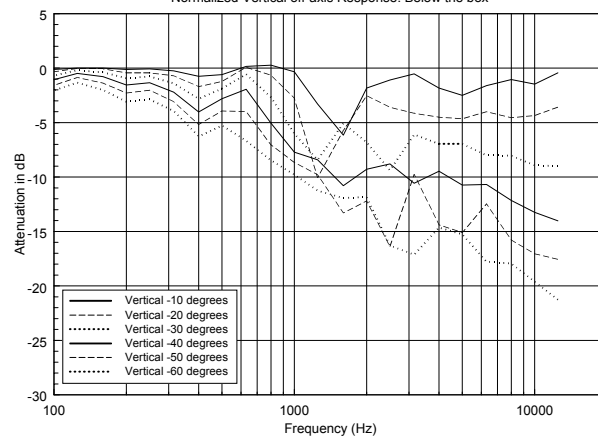
Normalized Horizontal off-axis Response



Normalized Vertical off-axis Response. Above the box

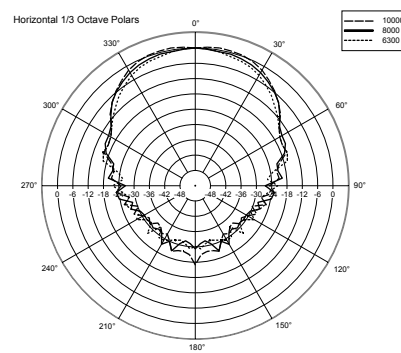
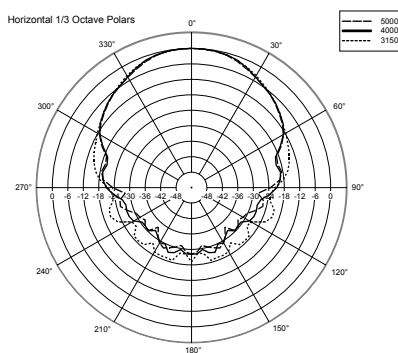
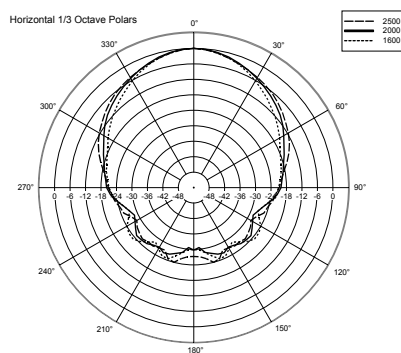
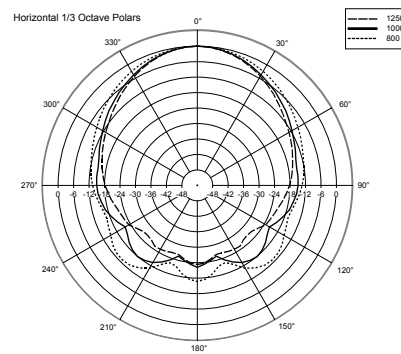
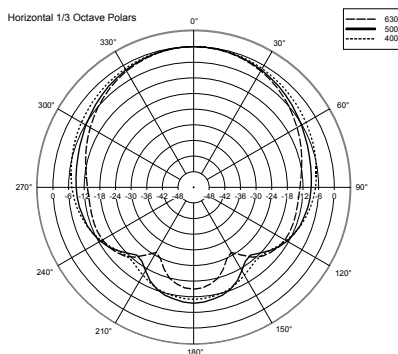
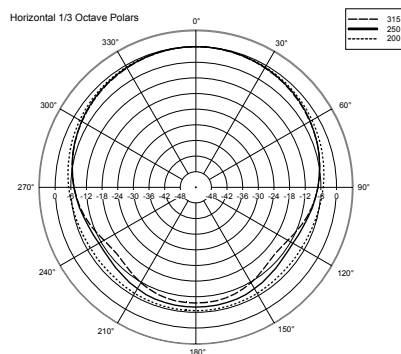


Normalized Vertical off-axis Response. Below the box

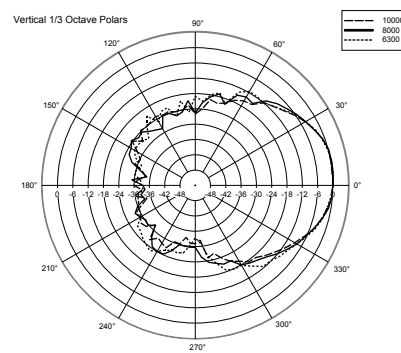
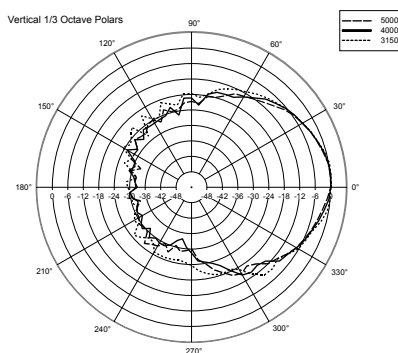
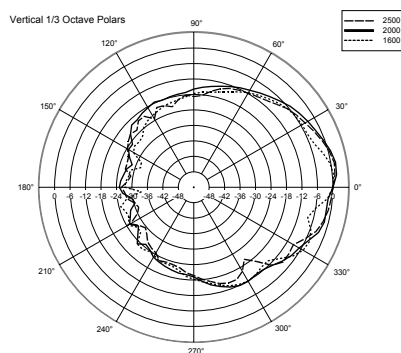
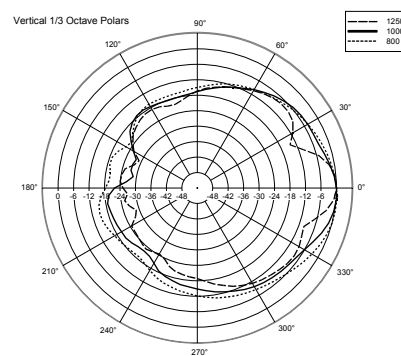
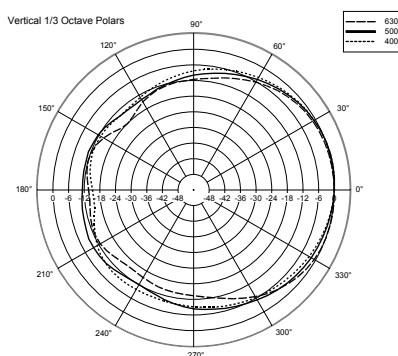
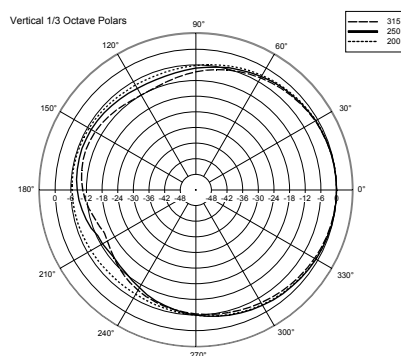


ART 425-A MKII

HORIZONTAL 1/3 POLAR PLOT



VERTICAL 1/3 POLAR PLOT



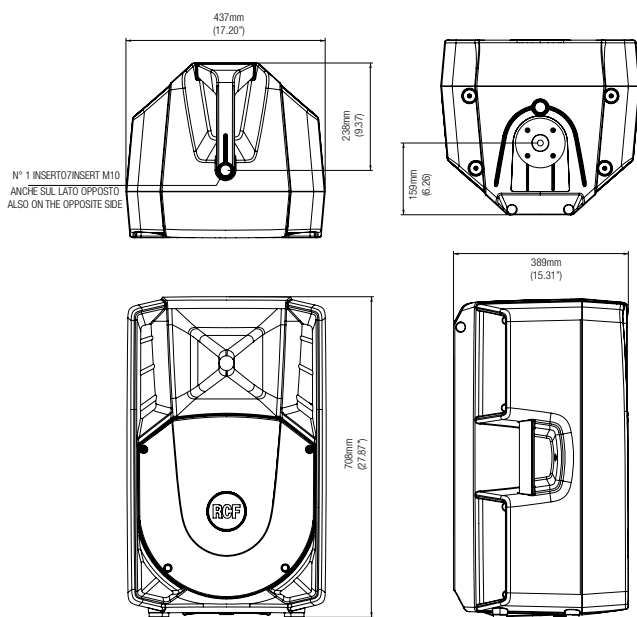
ART 425-A MKII

PART NUMBERS

13000331 - 230VOLT

13000332 - 115 VOLT

DIMENSIONS (All data are in mm)



ACOUSTICAL SPECIFICATIONS

Frequency response:	45 Hz- 20 KHz
Max SPL:	129 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	60°
Compression driver:	2", 2.5" voice coil
Midrange:	-
Woofer:	15", 3" voice coil

INPUT SECTION

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

PROCESSOR SECTION

Crossover frequencies:	1300 Hz
Protections:	Themel, HF
Sensitivity control:	yes
Limiter:	soft limiter
High pass:	-
Controls:	flat/boost

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 diameter 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 diameter 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 415-A, ART 425, ART 715-A and ART 725-A and ART 4/7 MK II series
Cover ART 725	Art cover for ART 415-A, ART 425, ART 715-A and ART 725-A and ART 4/7 MK II series

AMPLIFIER

Power supply:	switching 400 Watt
High frequencies:	D / 100 Watt
Mid frequencies:	-
Low frequencies:	D / 300 Watt
Cooling:	convection
Connection:	Xlr/jack input, xlr signal output

PHYSICAL

Height:	708 mm (27.87")
Width:	437 mm (17.20")
Depth:	389 mm (15.31")
Weight:	26 kg (57.32 lbs)
Cabinet:	Composite PP
Hardware:	pole mount
Handles:	1 top, 2 side
Pole mount cap	yes
Colour:	Black

