ARTSERIES

DIGITAL POWER

Applications

ART 522-A is a milestone in ART series evolution. The careful acoustic design, no compromise neodymium transducers and a powerful digital amplifier make the newest ART models the preferred tool of many professionals. The ideal cabinet for main front of house PA and monitoring, ART 522-A is the perfect solution where the power of a 2" compression driver is required for longer throw applications in larger venues. Incredibly lightweight, is perfect in live sound reinforcement and reliable in installed situations

Features

- 750 Watt Digital Amplifier, 500 Watt Low Frequency and 250 Watt High Frequency Power
- 130 dB max SPL
- Wide dispersion, 90 x 60 low distortion, constant directivity horn
- 12" high power neo. woofer, 75mm inside/outside aluminium coil
- 2" high frequency neo. driver titanium dome, 64 Mm voice coil
- Electronic equalization, phase alignment, limiter and protection
- Mic/Line XLR and Jack input, XLR signal output
- 2 side handles and 1 ergonomic top handle for easy transportation and positioning
- Four M10 fly points and built in pole mount adaptor

ACTIVE SPEAKER

ART 522A

RCF ART 522-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.
It integrate a digital high power 750 Watt amplifier, a complete electronic processor section and premium RCF low distortion, high power transducers. The result is compact, light weight, high power accurate systems, unique in there class for clarity and low distortion.
The total amplifier power is 750 watt: a 500 watt digital amplifier design is used to power the low frequencies, the compression driver is powered from 250 watt of digital clear power. The input section offers an jack/XLR input combo connector, a master volume control and a useful XLR loop-through link guarantee the best versatility. The processor section includes low noise active crossover, system equalization, transducer phase alignment, limiter and protection functions.
The compression driver uses a 0.05 mm titanium dome featuring a vented suspension and is powered from a massive high flux neodymium magnet and an edge wound 64 mm aluminium voice coil. This top class driver offers a high output, transparent midrange sound and clarity in high frequencies reproduction.
The ART 522-A features a 12" inch woofer that, with a 3" inside-outside aluminium coil and a powerful magnetic structure, guarantees a fast and accurate mid-bass frequency range.
All components are housed in a rigid polypropylene composite enclosure. The woofer is protected by a powder coated, metal grille. The cabinet features four M10 threaded fly points, a 35 mm pole mount adaptor, two side handles and a top handle

ACOUSTICAL SPECIFICATIONS

Frequency response:	45 - 20 Khz
Max SPL:	130 dB
Coverage angle:	90° x 60°
Compression driver:	neo 2"
Woofer:	neo 12"

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input connector:	jack/xlr
Output signal connector:	xlr
Input sensitivity:	0 dBu
Mic. input sensitivity:	-

PROCESSOR SECTION

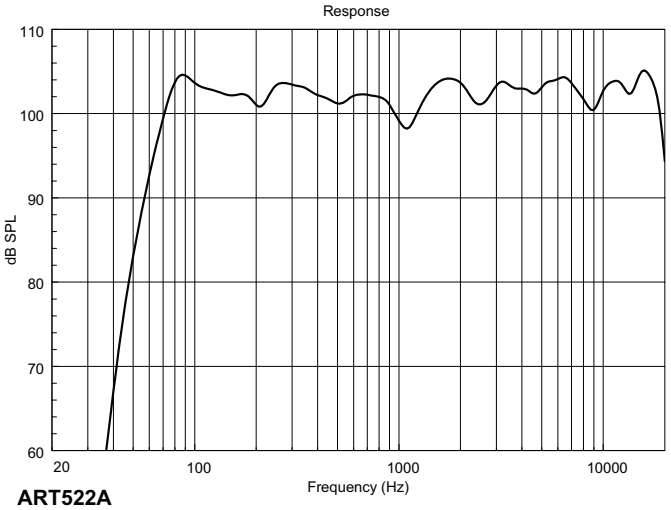
Crossover frequencies:	1200 Hz
Protections:	DC / short cir.
Limiter:	fast limiter
Master volume:	yes
Music / Voice eq:	-
Remote control option:	-

AMPLIFIER

Nominal power:	750 Watt
High frequencies:	Digital 250 Watt
Low frequencies:	Digital 500 Watt
Cooling:	Convection

PHYSICAL

Cabinet:	Composite PP
Dimensions (HxWxD):	26.77" x 15.94" x 13.58" (680x405x345 mm)
Weight:	36.6 lbs. (16.6kg)
Hardware:	4 M10 flying points
Handles:	2 side, 1 top
Pole Mount / Cap:	yes
Colour:	Antrhracyte gray



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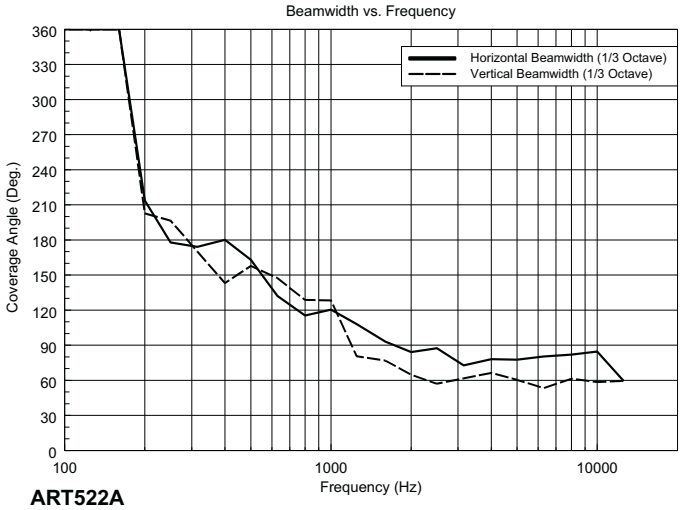

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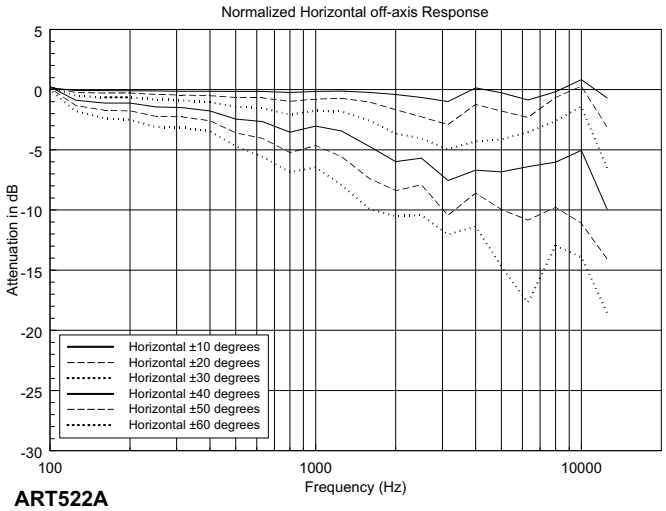

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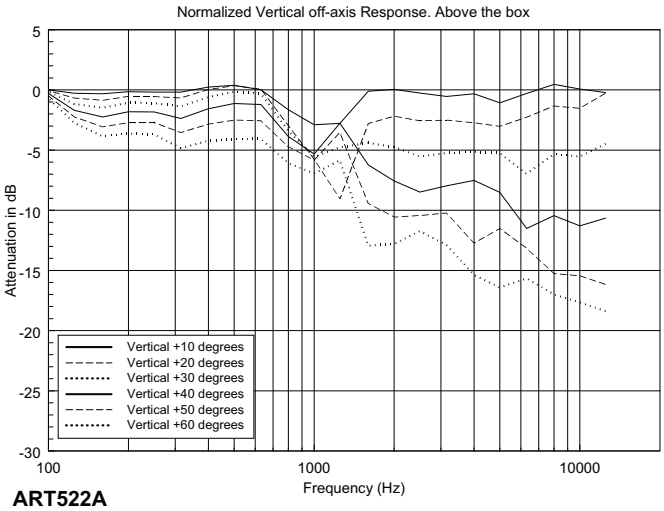

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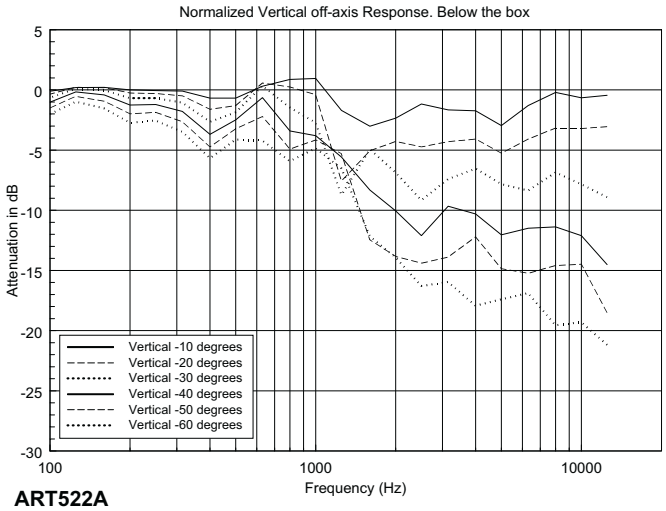
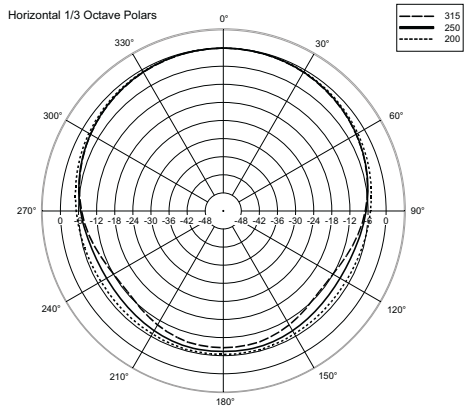
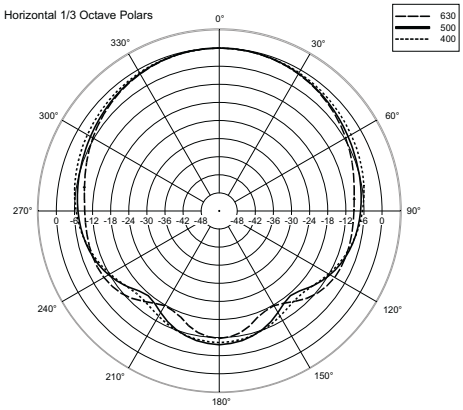
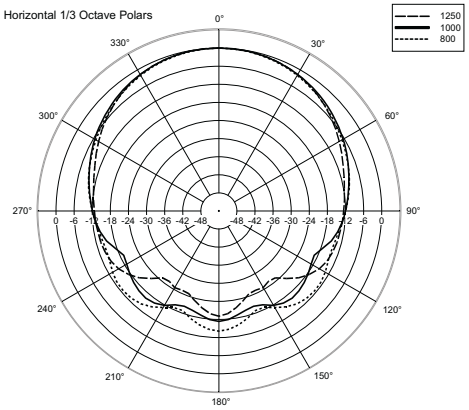


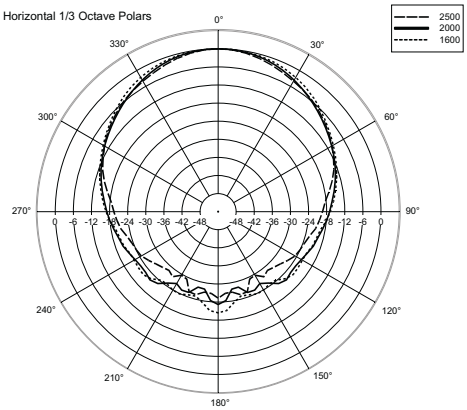
ART522A

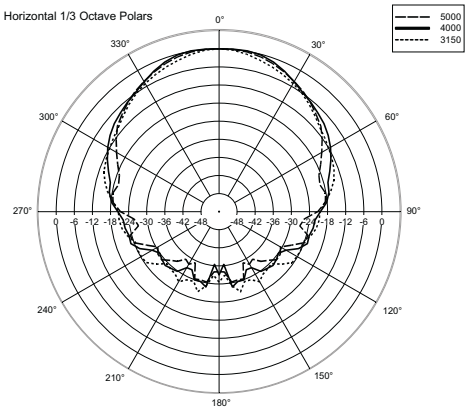
Horizontal 1/3 Polar Plot

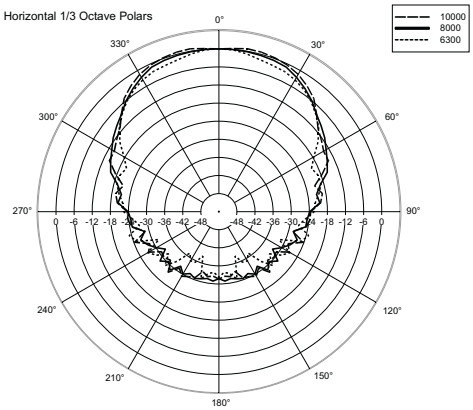




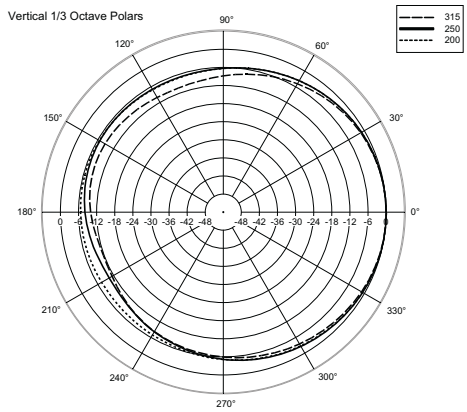


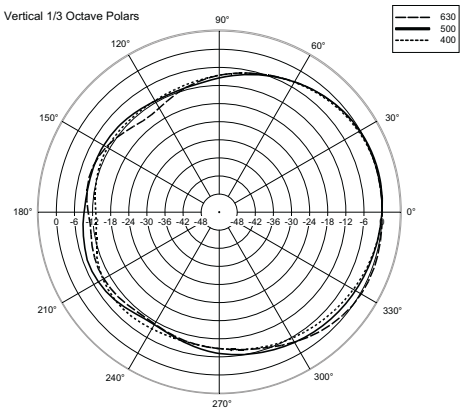


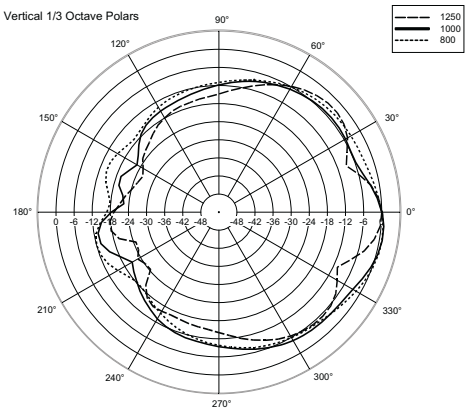


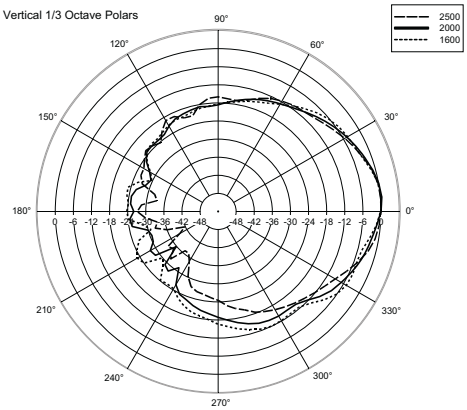


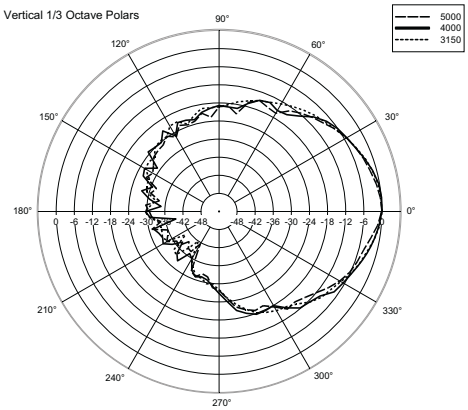
Vertical 1/3 Polar Plot

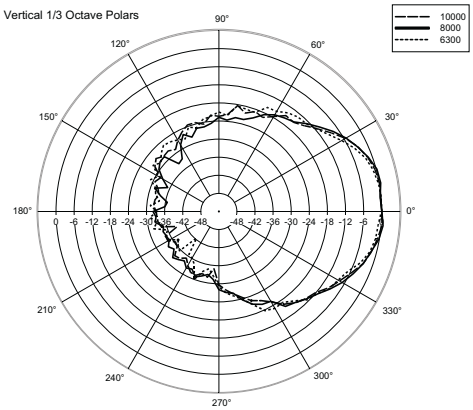












CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS “A&E SPECIFICATIONS”)
The following are “Part 2 Products” CSI-type specifications. It is assumed that “Part 1 General – Administrative and Procedures” and “Part 3 Execution – Installation and Maintenance” are part of 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: ART 522A

2.02 Design

Configuration	Compact 2 way speaker
LF Sub-section	12” high power neo woofer, 75mm inside/outside aluminium coil
HF Sub-section	2” high frequency neo. driver titanium dome, 64 Mm voice coil

2.03 Acoustical Proprieties

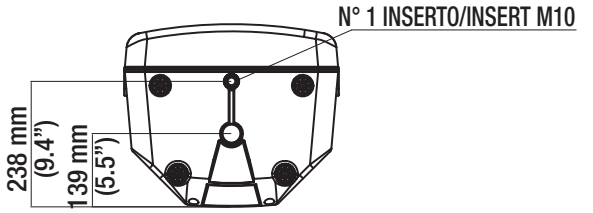
Nominal dispersion angle:	Horizontal: 90° - Vertical: 60°
Axial frequency range:	45Hz-20kHz

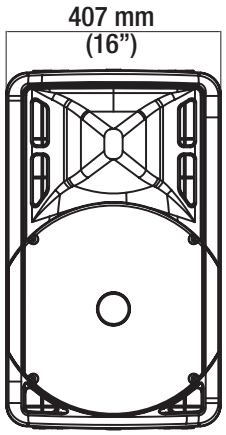
2.04 Physical Properties

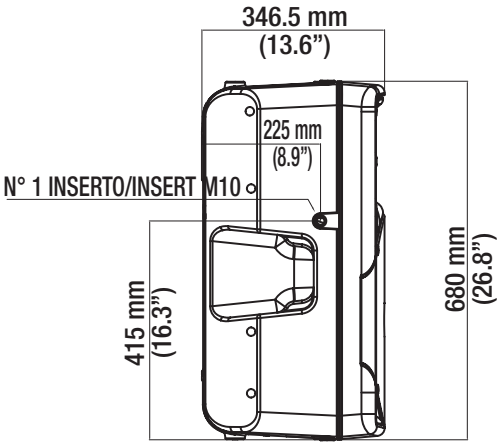
Cabinet:	Composite PP
Rigging inserts:	4 M10 fly points and built in pole mount adaptor
Color:	Anthracyte gray
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	jack/xlr
Dimensions (H x W x D):	26.77” x 15.94” x 13.58” (680x405x345 mm)
Weight:	36.6 lbs. (16.6 kg)

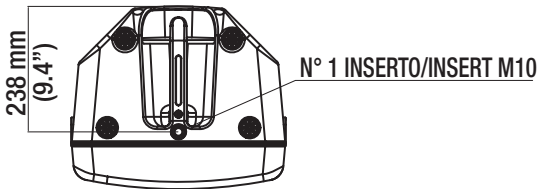
2.05 Accessories

AC S260	Steel speaker floor stand with folding base end telescopic rod, tube Ø 35 mm
AC S140	Alluminium speaker floor stand with folding base end telescopic rod, tube Ø 35 mm
ART V-BR	Bracket for mounting one ART speaker on the wall - vertical. Adjustable inclination. Colour black.
ART H-BR	Bracket for mounting one ART speaker on the wall - horizontal. Adjustable inclination. Colour black.









RCF SpA Italy:
tel. +39 0522 274 411
fax +39 0522 232 428
www.rcfaudio.com
e-mail: info@rcf.it

RCF UK Sales Office:
Tel (UK Customers) 0844 745 1234
Tel (International) +44 870 626 3142
e-mail: info@rcfaudio.co.uk

RCF France Sales Office:
tel. +33 6 07501800
e-mail: rcffrance@aol.com

RCF Germany Sales Office:
tel. +49 2203 925370
e-mail: germany@rcf.it

RCF USA Inc.:
tel. +1 (603) 926 4604
e-mail: info@rcf-usa.com