

ARTSERIES →



DIGITAL POWER

Applications

ART 525-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. Ideal in live sound and installed situations, it is remarkable for deep bass punch, clean midrange output and accurate high frequencies. Offering the ultimate intelligibility in vocal and Recorded Music, incredibly lightweight, from live sound to playback, from monitoring to fixed installation applications.

Features

- 750 Watt Digital Amplifier, 500 Watt Low Frequency and 250 Watt High Frequency Power
- 131 dB max SPL
- Wide dispersion, 90 x 60 low distortion, constant directivity horn
- 15" 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 525A

RCF ART 525-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 750Watt 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 525-A features a 15" inch woofer that, thanks to its 3.5" inside-outside aluminium coil and a powerful magnetic structure guarantees a powerful bass reproduction.

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:	131 dB
Coverage angle:	90° x 60°
Compression driver:	neo 2"
Woofer:	neo 15"

INPUT SECTION

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

PROCESSOR SECTION

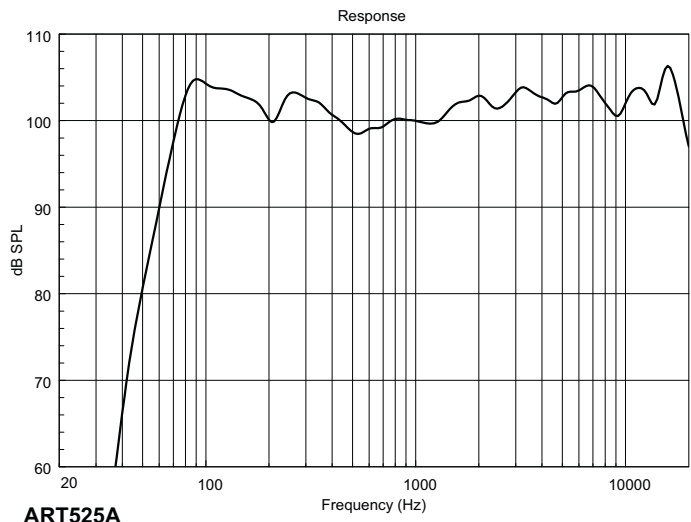
Crossover frequencies:	1200 Hz
Protections:	DC / short cir.
Limiter:	fast limiter
Master volume:	yes
Music / Voice eq:	-
Remote control option:	-

AMPLIFIER

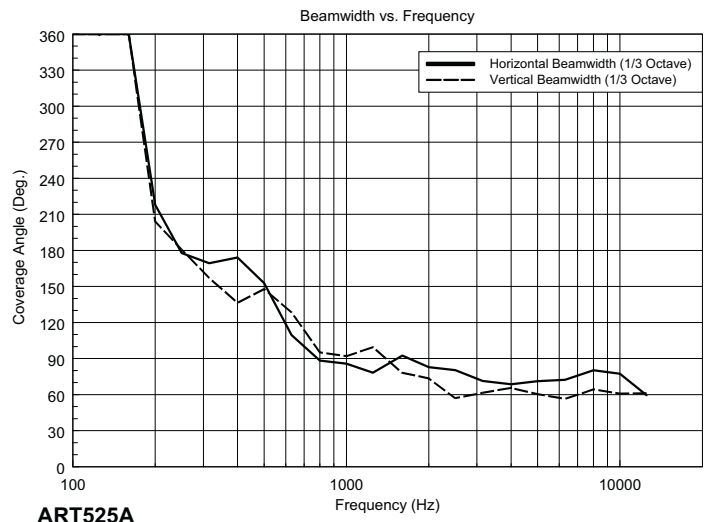
Nominal power:	750 Watt
High frequencies:	Digital 250 Watt
Low frequencies:	Digital 500 Watt
Cooling:	Convection

PHYSICAL

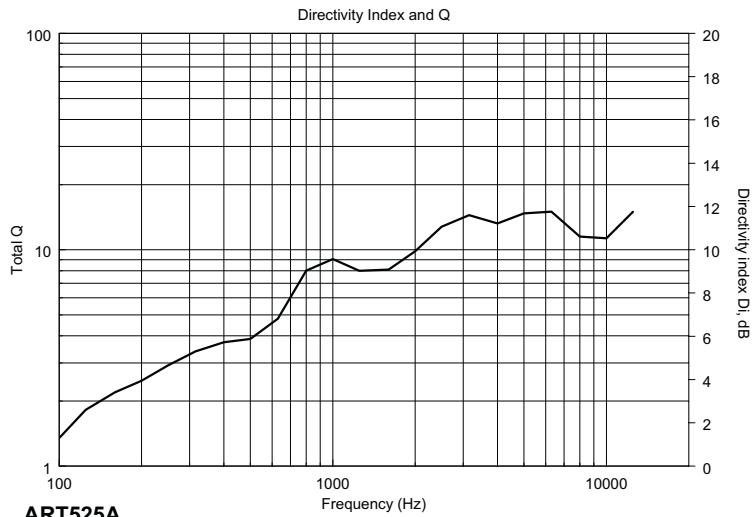
Cabinet:	Composite PP
Dimensions (HxWxD):	26.77" x 15.94" x 13.58" (680x405x345 mm)
Weight:	37.9 lbs. (17.2kg)
Hardware:	4 M10 flying points
Handles:	2 side, 1 top
Pole Mount / Cap:	yes
Colour:	Anthracyte gray



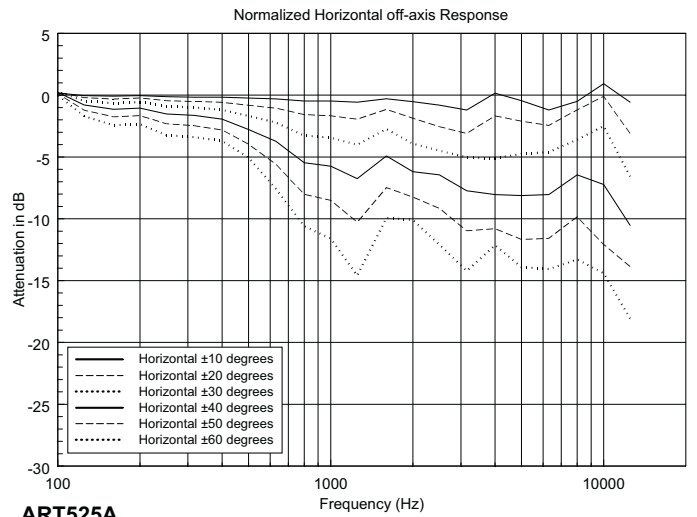
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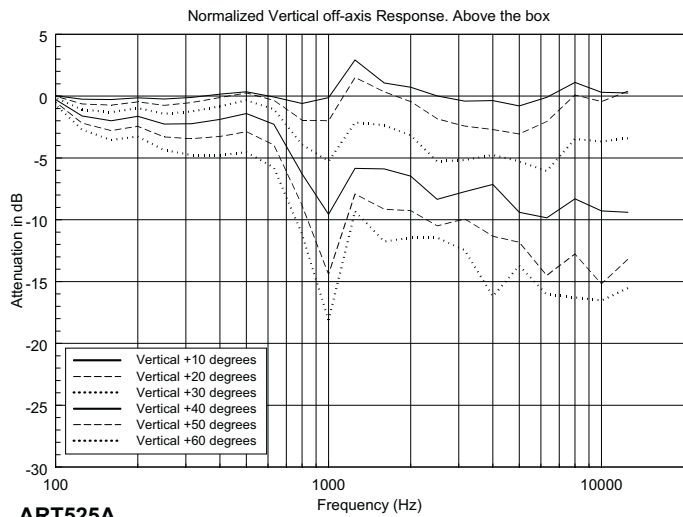
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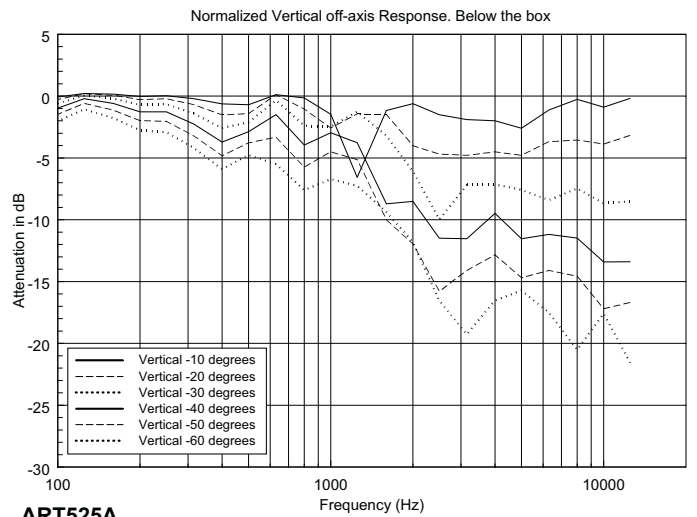
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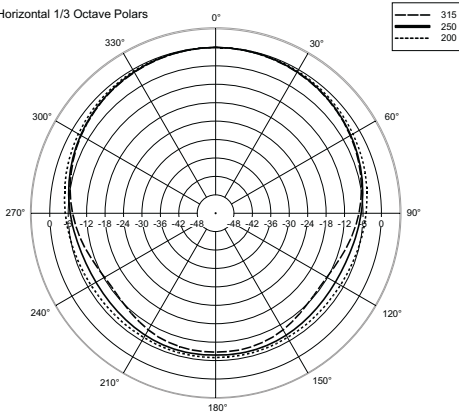
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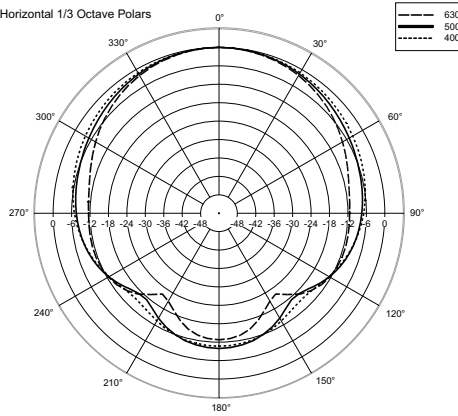
ART525A

Horizontal 1/3 Polar Plot

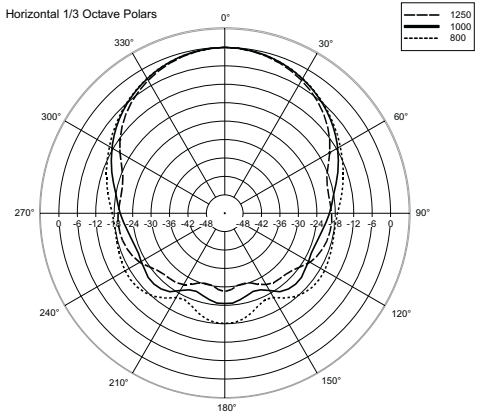
Horizontal 1/3 Octave Polars



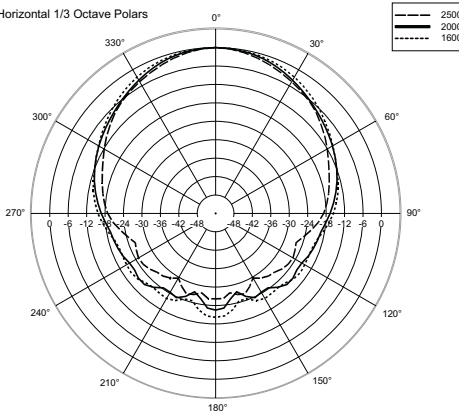
Horizontal 1/3 Octave Polars



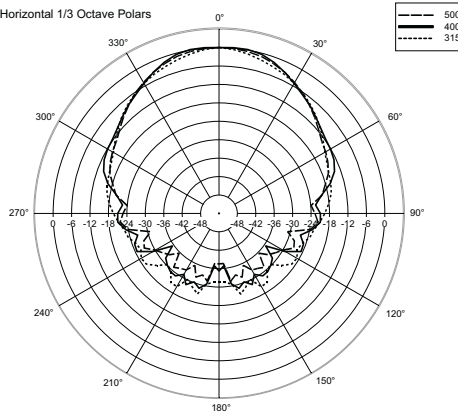
Horizontal 1/3 Octave Polars



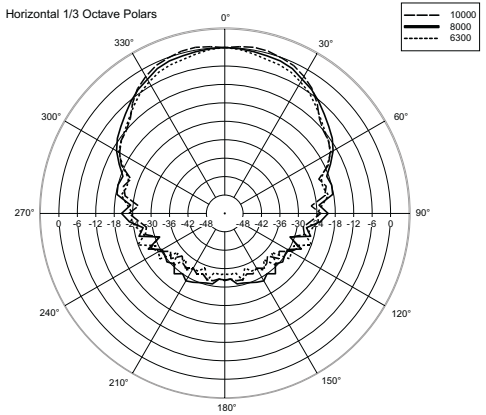
Horizontal 1/3 Octave Polars



Horizontal 1/3 Octave Polars

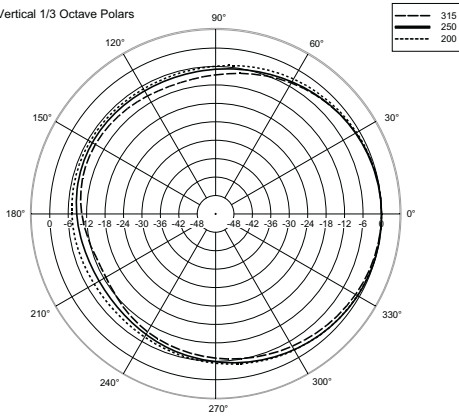


Horizontal 1/3 Octave Polars

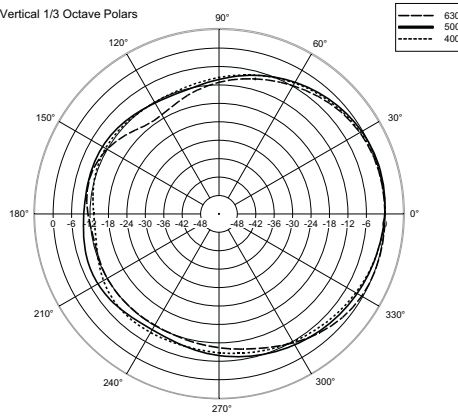


Vertical 1/3 Polar Plot

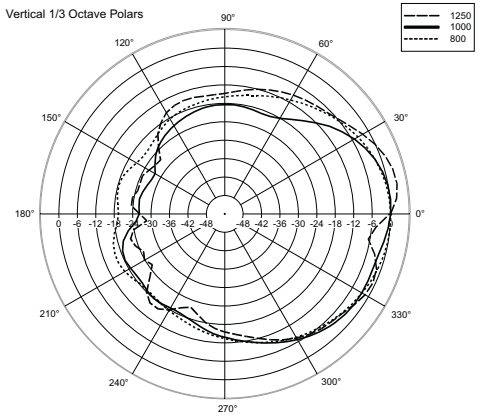
Vertical 1/3 Octave Polars



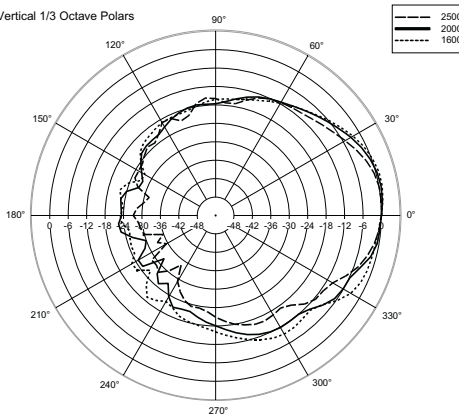
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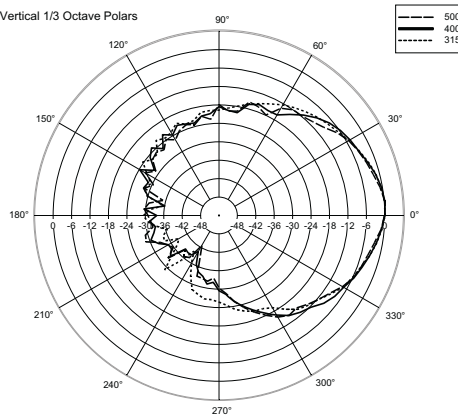
Vertical 1/3 Octave Polars



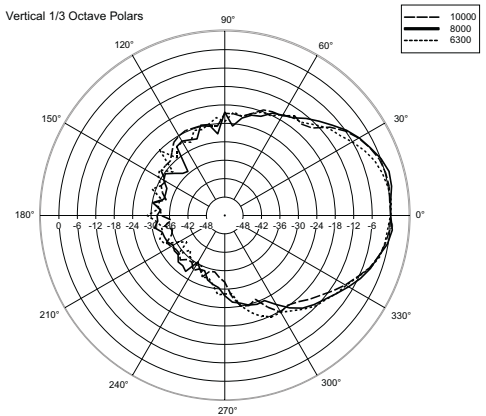
Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



Vertical 1/3 Octave Polars



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 525A

2.02 Design

Configuration	Compact 2 way speaker
LF Sub-section	15" 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

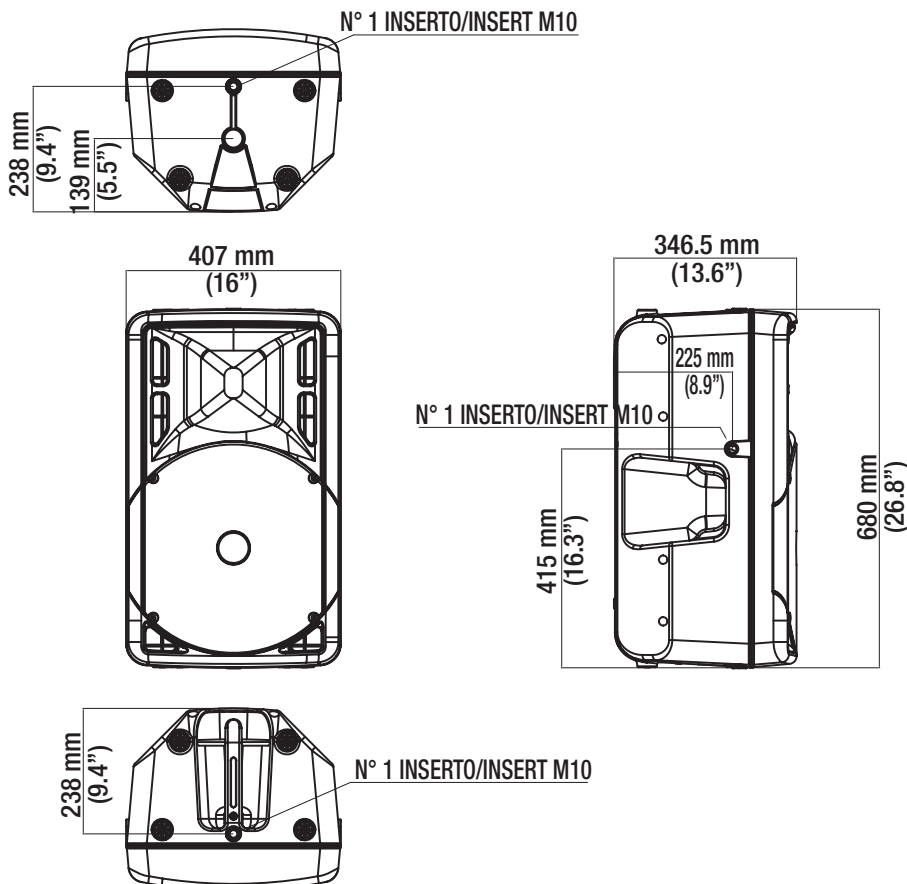
Nominal dispersion angle:	Horizontal: 90° - Vertical: 60°
Axial frequency range:	45Hz-20kHz

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:	37.9 lbs. (17.2 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.



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