

ART SERIES

ACTIVE SPEAKER

ART 705AS



The ART 705-AS is an extremely compact high output active subwoofer system. RCF's Research and Development engineers have developed a totally new "High Current Capacity" Monolithic amplifier alongside a totally new RCF 15" high power woofer.

The ART 705-AS delivers tight, fast controlled bass response at very high efficiency levels. Offering increased dynamic range. The system re-defines audio subwoofer performance standards.

RCF engineers have developed a new High Current 800 watt class H two step ultra efficient topology amplifier to provide the critical performance demanded by True Active Subwoofers. This design delivers high efficiency and generates minimum thermal losses therefore simplifying the cooling system. The reason for ensuring our amplifier can generate very high current operation is to properly maintain complete control of the woofer especially under "phase shift" conditions.

The ART 705-AS's woofer technology is using new RCF woofer design parameters. We have utilised high temperature polyimide voice coil assemblies with state of the art curing processes plus advanced magnetic structures and efficient cooling systems. The RCF Precision "Inside/ Outside" voice coils assure long term reliability and vastly reduced power compression. The ART 705-AS is designed to compliment all ART Active and Passive models. It can also be used as an "add -on" to any existing active or passive PA Speaker System.

Applications

The ART 705-AS is an extremely compact high output active subwoofer system. RCF's Research and Development engineers have developed a totally new "High Current Capacity" Monolithic amplifier alongside a totally new RCF 15" high power woofer.

Features

- High current 800 watt class H amplifier
- 130 dB max SPL
- 15" high power woofer, 75mm inside/outside copper coil
- Response down to 40 Hz
- Selectable crossover and high pass outputs, phase switch
- Electronic equalization, limiter and protection
- Mono/Stereo combo XLR/Jack input, Mono/Stereo XLR signal output
- Baltic birch compact enclosure and 2 side handles for easy transportation
- Built in pole mount, two M10 points for optional speaker kart

ACOUSTICAL SPECIFICATIONS

Frequency response:	40 - xover point
Max SPL:	130 dB
Woofer:	15"

INPUT SECTION

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

PROCESSOR SECTION

Crossover frequencies:	40 - xover point
Selectable high pass output:	80/100/120 Hz
Protections:	uC Protection
Limiter:	fast limiter
Master volume:	yes
Phase switch:	yes

AMPLIFIER

Nominal power:	800 Watt
Low frequencies:	H / 800 Watt
Cooling:	Forced

PHYSICAL

Cabinet:	Baltic Birch
Dimensions (HxWxD):	23.2" x 17.2" x 23.7" (590x435x600 mm)
Weight:	81.57 lbs. (37 kg)
Hardware:	2 M10 for kart
Handles:	2 side
Pole Mount / Cap:	yes
Colour:	Black

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, 42010 Mancasale, Reggio Emilia, Italy.
B. Model number: ART 705AS

2.02 Design

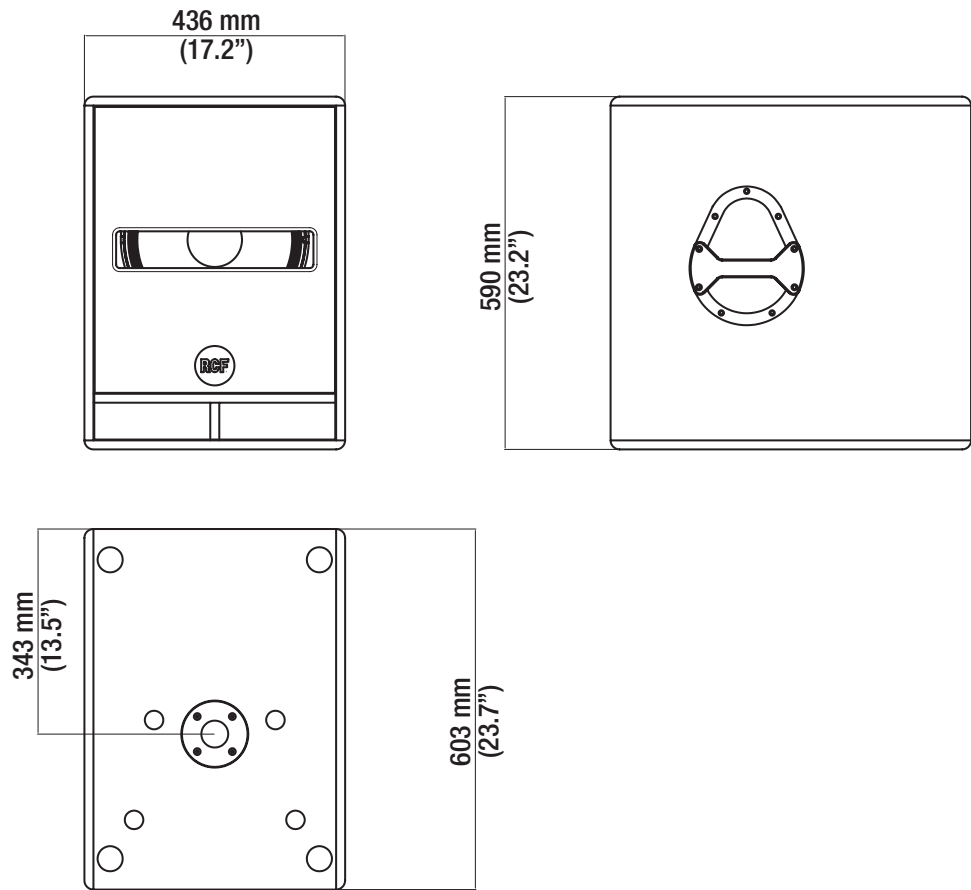
Configuration	Compact high output active subwoofer system
LF Sub-section	15" high power woofer, 75mm inside/outside copper coil

2.03 Acoustical Proprieties

Axial frequency range:	40 - xover point
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2.04 Physical Properties

Cabinet:	Baltic Birch
Rigging inserts:	2 M10 for kart
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	jack/xlr
Dimensions (H x W x D):	23.2" x 17.2" x 23.7" (590x435x600 mm)
Weight:	81.57 lbs. (37 kg)



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. +44 7005 402181
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 Sales Office:
tel. +1 (603) 926-4604
e-mail: rcf-usa@adelphia.net