

ART 902-AS

ACTIVE SUBWOOFER



The ART 902-AS is an extremely compact high output active subwoofer system. It integrate a totally new digital high power 1000 Watt amplifier, a complete electronic processor section and premium RCF low distortion, high power 12" woofer. The result is a compact, light weight, high power accurate subwoofer, unique in their class for efficiency and low distortion.

The system re-defines audio subwoofer performance standards.

The ART 902-AS is equipped with a new generation of 1000 Watt Digital Amplifiers that produce a very high output, an extremely low distortion and an incredible natural sound. The amplifier features a solid mechanical aluminium structure which not only stabilize the amplifier during transportation but also assist in the heat dissipation.

The RCF Precision "Inside/ Outside" voice coils assure long term reliability and vastly reduced power compression.

The ART 902-AS features a 12" inch woofer that, with a 3" inside-outside aluminium coil and a powerful magnetic structure, guarantees a fast and accurate sub-bass frequency range, taking advantage of RCF's superior moulding, assembly technologies and a wealth of professional knowledge and experience dedicated to achieve extremely high standards

The ART 902-AS is designed to compliment all ART 7 SERIES models. It can also be used as an "add-on" to any existing active or passive PA Speaker System.

APPLICATIONS

- Portable and installed audio-visual systems
- Small theatre and houses of worship
- Surround sound presentations
- Houses of worship, retail, restaurants/bars, transportation centers, theme parks

FEATURES

- High current 1000 watt digital amplifier
- 130 dB max spl
- 12" High power woofer, 3" copper coil
- Xover 80-120 Hz switch, 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

ACOUSTICAL SPECIFICATIONS

| | |
|----------------------------|-----------------------|
| Frequency response: | 45 Hz- 120 Khz |
| Max SPL: | 130 dB |
| Horizontal coverage angle: | - |
| Vertical coverage angle: | - |
| Compression driver: | - |
| Midrange: | - |
| Woofer: | 12", 76 mm voice coil |

INPUT SECTION

| | |
|---------------------------|-----------------------|
| Input signal (Impedance): | bal/unbal |
| Input/Output connector: | stereo combo xlr-jack |
| Input sensitivity: | -2 dBu/+4 dBu |

PROCESSOR SECTION

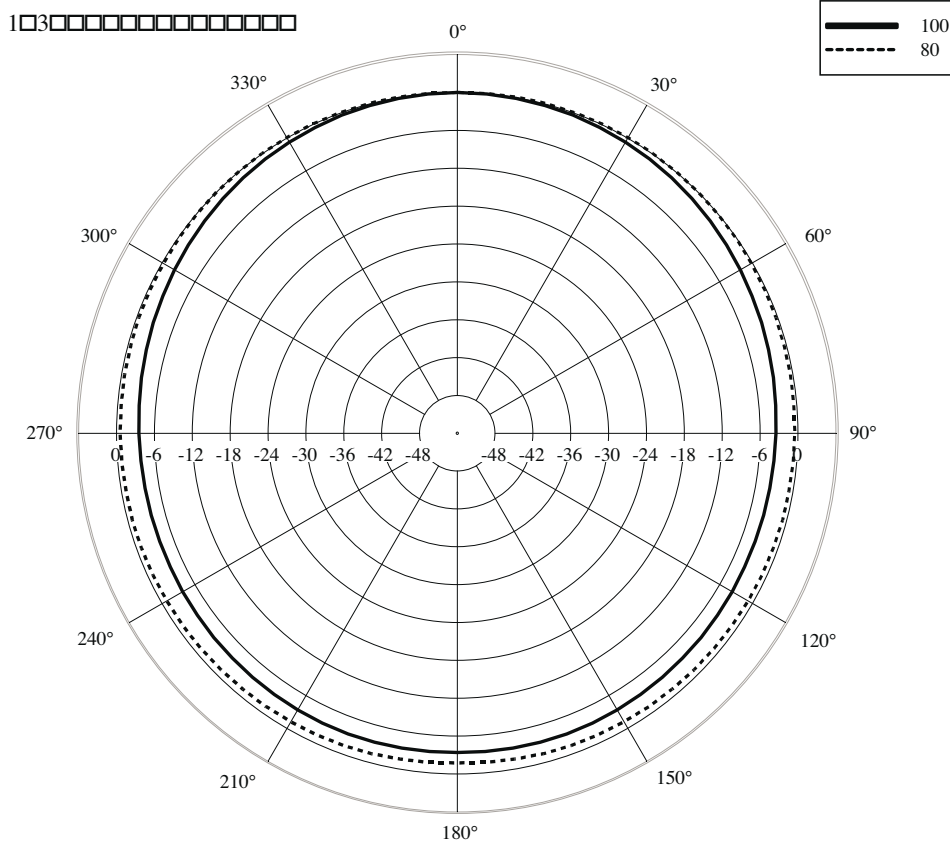
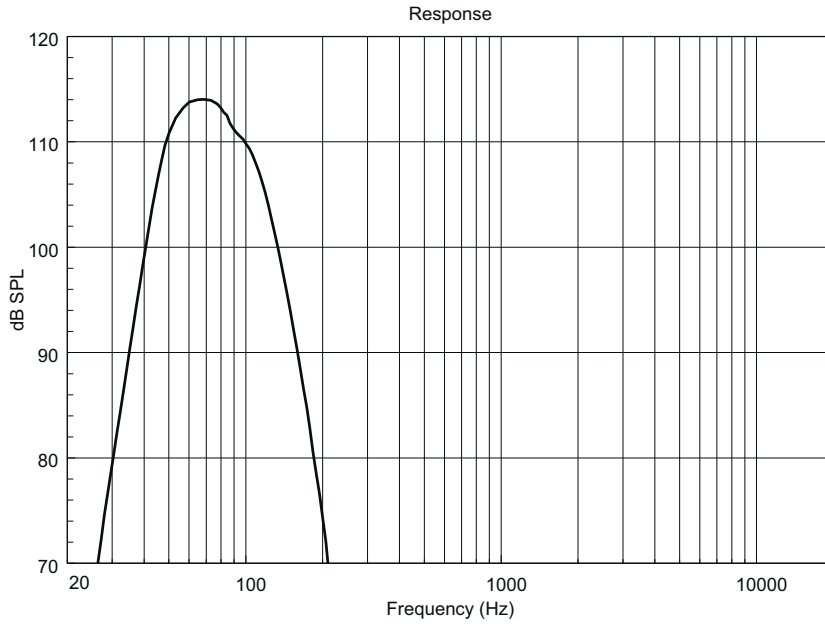
| | |
|------------------------|----------------------|
| Crossover frequencies: | 80/120 Hz |
| Protections: | thermal,RMS |
| Limiter: | limiter |
| Controls: | volume, phase, xover |

AMPLIFIER

| | |
|-------------------|----------------------|
| Power supply: | switching 1000 Watt |
| High frequencies: | - |
| Mid frequencies: | - |
| Low frequencies: | D / 1000 Watt |
| Cooling: | convection/forced |
| Connection: | VDE connector IN/OUT |

PHYSICAL

| | |
|----------------|---------------------|
| Height: | 515 mm (20,27") |
| Width: | 410 mm (16,14") |
| Depth: | 550 mm (21,65") |
| Weight: | 27,4 kg (60,40 lbs) |
| Cabinet: | baltic birch |
| Hardware: | - |
| Handles: | 2 on side |
| Pole mount cap | yes |
| Colour: | Black |



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

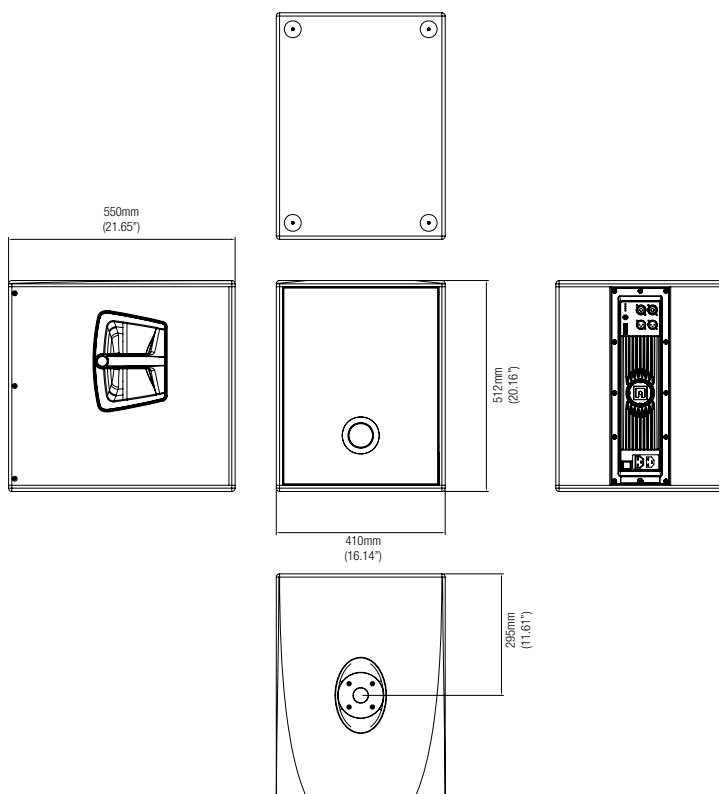
The following are "Part 2 Products" CSI-type specifications.

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, 42124, Reggio Emilia, Italy.
- B. Model number: ART 902-AS



2.02 Design

| | |
|----------------|------------------------------|
| Configuration | Active subwoofer |
| LF Sub-section | 12" woofer, 76 mm voice coil |
| MR Sub-section | - |
| HF Sub-section | - |

2.03 Acoustical Properties

| | |
|---------------------------|-------------|
| Nominal dispersion angle: | - |
| Axial frequency range: | 45Hz-120kHz |

2.04 Physical Properties

| | |
|-------------------------|--|
| Cabinet: | Baltic birch |
| Rigging inserts: | - |
| Color: | Black |
| Grille: | Custom perforated steel grille with open-cell poly fiber backing |
| Input Connectors: | Stereo c. xlr-jack |
| Dimensions (H x W x D): | 515 x 410 x 550 mm (20,27" x 16,14" x 21,65") |
| Weight: | 27,4 kg (60,40 lbs.) |

2.05 Accessories

| | |
|-----------|---|
| 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 PRO-LF | Steel professional adapter sleeve for loudspeaker floor stand, tube diametro 35 mm. Load capacity up to 50Kg, Weight 0.7 Kg, H 27.5 cm |
| AC PMA | Speaker pole mount |
| AC WK-FX | Kit N° 4 fixed castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb |
| AC WK-SW | Kit N° 4 swivel castor 80mm / 3" dia black wheel with roller bearings. Carrying weight per wheel 60Kg / 130lb |