ART 902-AS

ACTIVE SUBWOOFER



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

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.

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

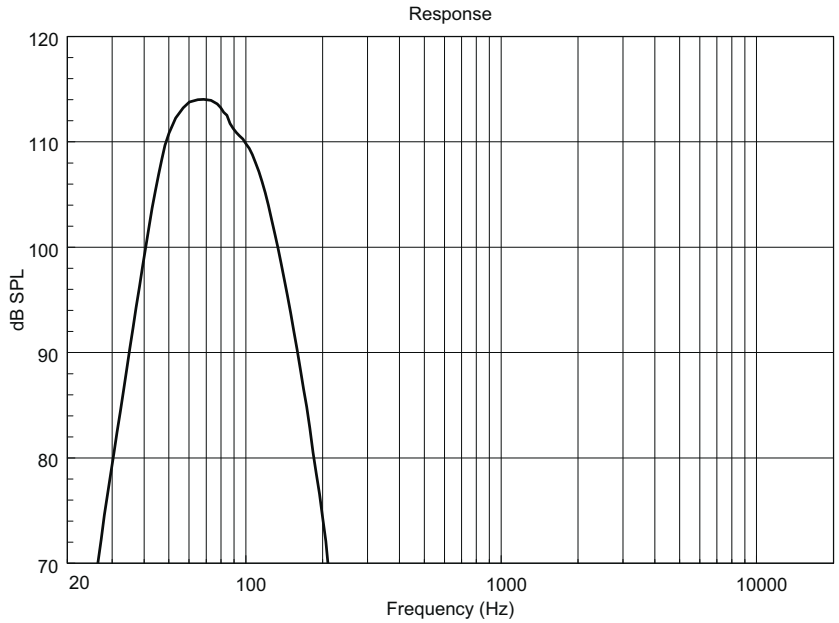
Crossover frequencies:	80/120 Hz
Protections:	thermal,RMS
Limiter:	limiter
Controls:	volume, phase, xover

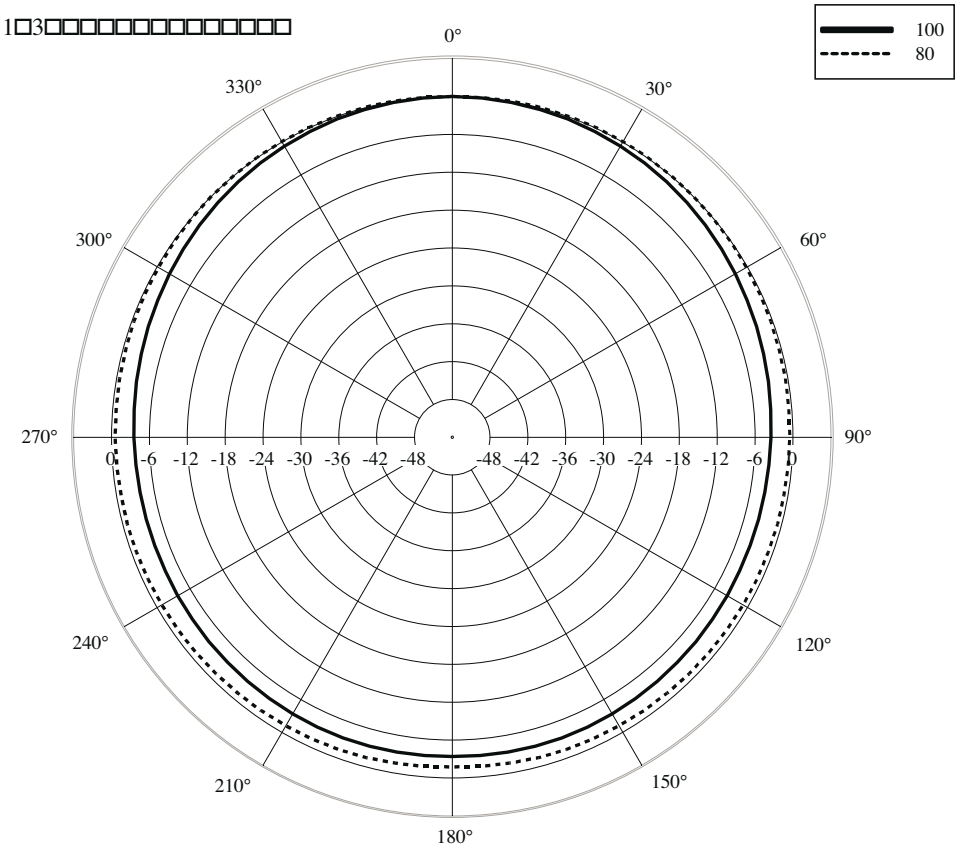
AMPLIFIER

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:	29,6 kg (65,25 lbs)
Cabinet:	baltic birch
Hardware:	-
Handles:	2 on side
Pole mount cap	yes
Colour:	Black


Response
120
110
100
90
80
70
dB SPL
20
100
1000
10000
Frequency (Hz)


1□3□□□□□□□□□□□□□□
100
80
0°
30°
60°
90°
120°
150°
180°
210°
240°
270°
300°
330°
0
-6
-12
-18
-24
-30
-36
-42
-48
-48
-42
-36
-30
-24
-18
-12
-6
0

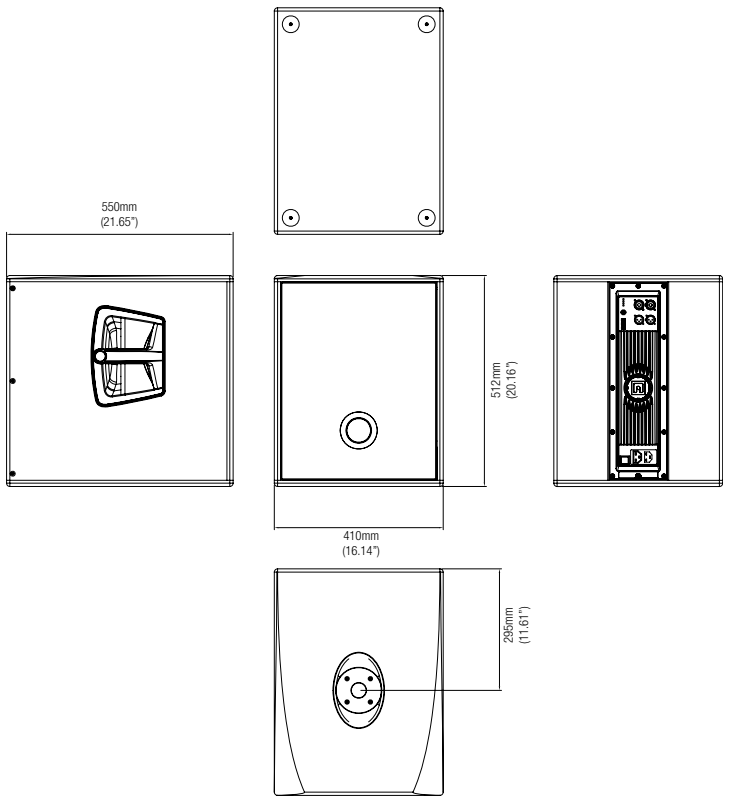
CSI PRODUCT SPECIFICATIONS FOR DESIGNERS, SPECIFIERS, AND CONSULTANTS (ALSO KNOWN AS "A&E SPECIFICATIONS")

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 Proprieties

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:	29,6 kg (65,25 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