

4PRO SERIES

ACTIVE SPEAKER

4PRO 3002-SMA



RCF 4PRO 3002-SMA is an active, controlled dispersion 2 way symmetric stage monitor. It integrates a high power 400 watt amplifier, a complete electronic processor section and RCF low distortion, high power neodymium transducers. The system is unique in its class for output and vocal intelligibility. The symmetric transducers configuration guarantee the sound coherency between left and right side of the speaker.

The new 12" neodymium woofer is the result of the latest refinement in year of RCF experience in compact speakers. Features a 3" voice coil, a massive outside ring neodymium magnet, very high efficiency and controlled mid-bass reproduction.

The compression driver uses a new 2.5" pure titanium dome featuring a complex geometry suspension and Direct Drive Coil. This innovative design is powered from a high flux neodymium magnet ring offering a very open and natural midrange sound with extreme precision in high frequency reproduction. A generous 2 step class H TAED design is used to power the low frequencies and the compression driver amplifier is a warm and clear class AB design.

The input section presents a XLR input connector that is switchable from microphone to line levels. A master volume control and a useful XLR loop through link guarantee the best versatility.

The processor section includes active crossover, system equalisation, transducers phase alignment, limiter and protection functions. The system is visually monitored from 4 status LEDs.

All the system is housed in a strong, very lightweight, baltic birch plywood enclosure. The system is protected from a strong, powder coated, metal grille. The cabinet features an ergonomic side aluminum handle for easy transportation.

General Applications

- Touring
- High power low profile stage monitor

Applications

- Concert Tours
- Corporate Events
- Television Events
- Live Music Club
- Theatres

Features

- 400 watt Monolithic bi-amplification. 350 watt low frequency and 50 watt high frequency power.
- 130 dB max SPL
- Controlled dispersion, 40 x 60 low distortion, mid-high horn assembly
- 12" high power neodymium woofer, 75mm inside/outside aluminium coil
- 2" neodymium, titanium dome, high frequency driver
- Electronic equalization, phase alignment, limiter and protection
- Line combo XLR/Jack input, XLR signal output
- Baltic birch cabinet with 2 side handles for easy transportation and positioning
- Optional remote control

ACOUSTICAL SPECIFICATIONS

Frequency response:	45 - 20 KHz
Max SPL:	130 dB
Coverage angle:	40° x 60°
Compression driver:	neo 2"
Midrange:	X
Woofer:	12"

INPUT SECTION

Input signal (Impedance):	bal/unbal
Input connector:	jack/xlr
Output signal connector:	xlr
Input sensitivity:	0 dBu
Mic. input sensitivity:	- 40 dBu

PROCESSOR SECTION

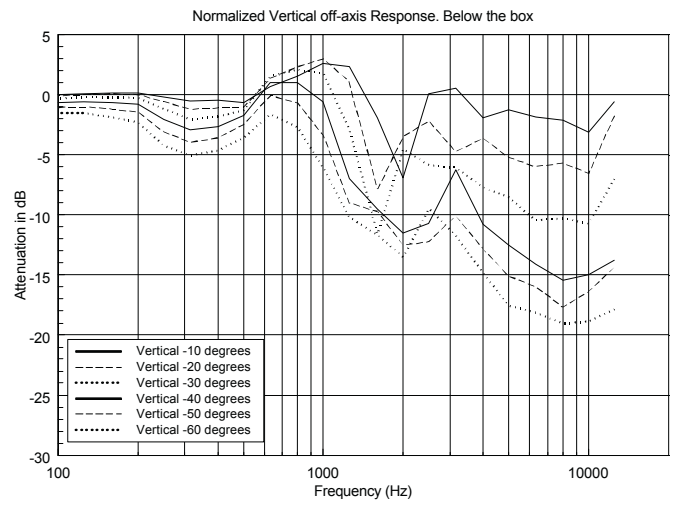
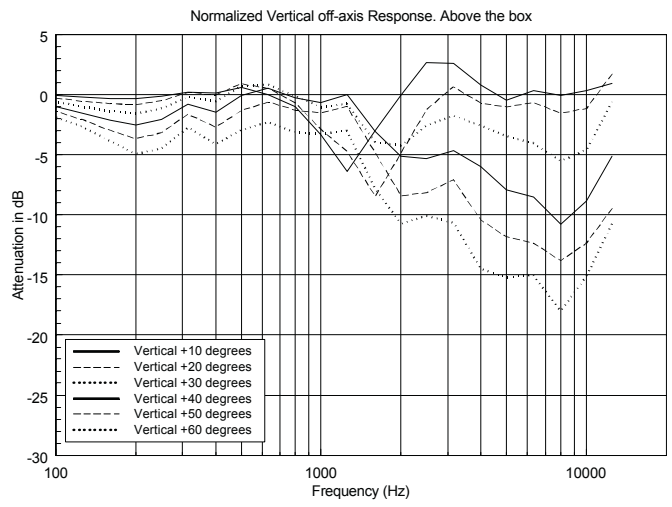
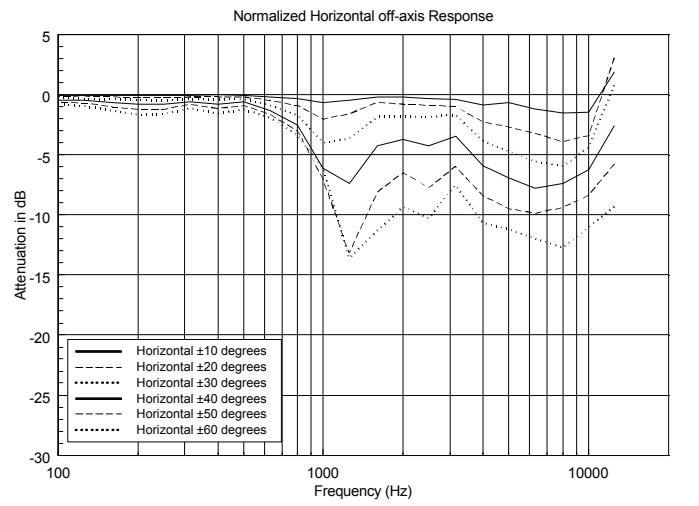
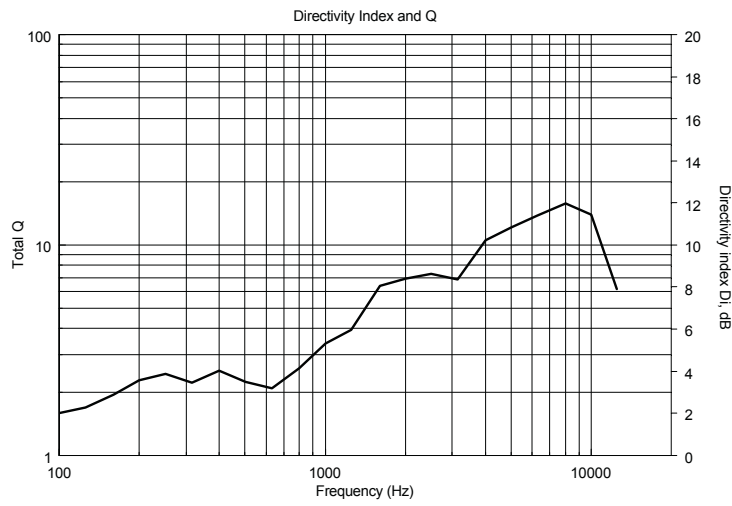
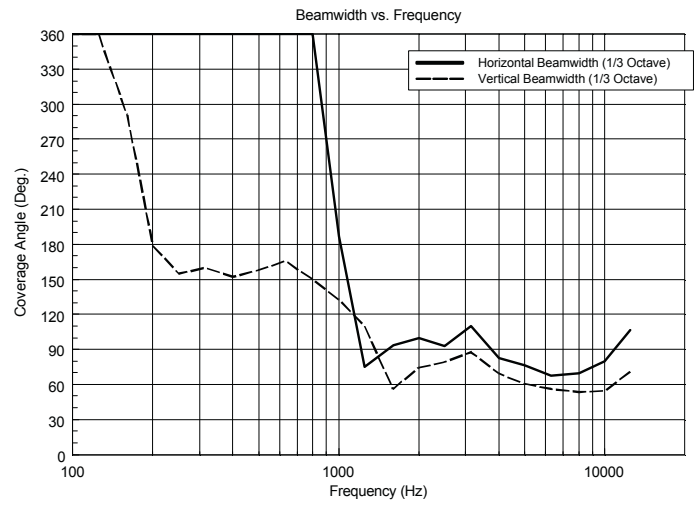
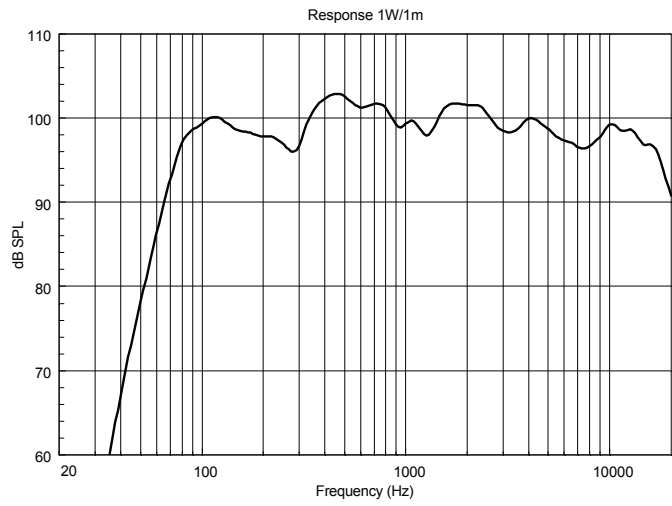
Crossover frequencies:	1100 Hz
Protections:	DC / short cir.
Limiter:	fast limiter
Master volume:	yes
Music / Voice eq:	-
Remote control option:	yes

AMPLIFIER

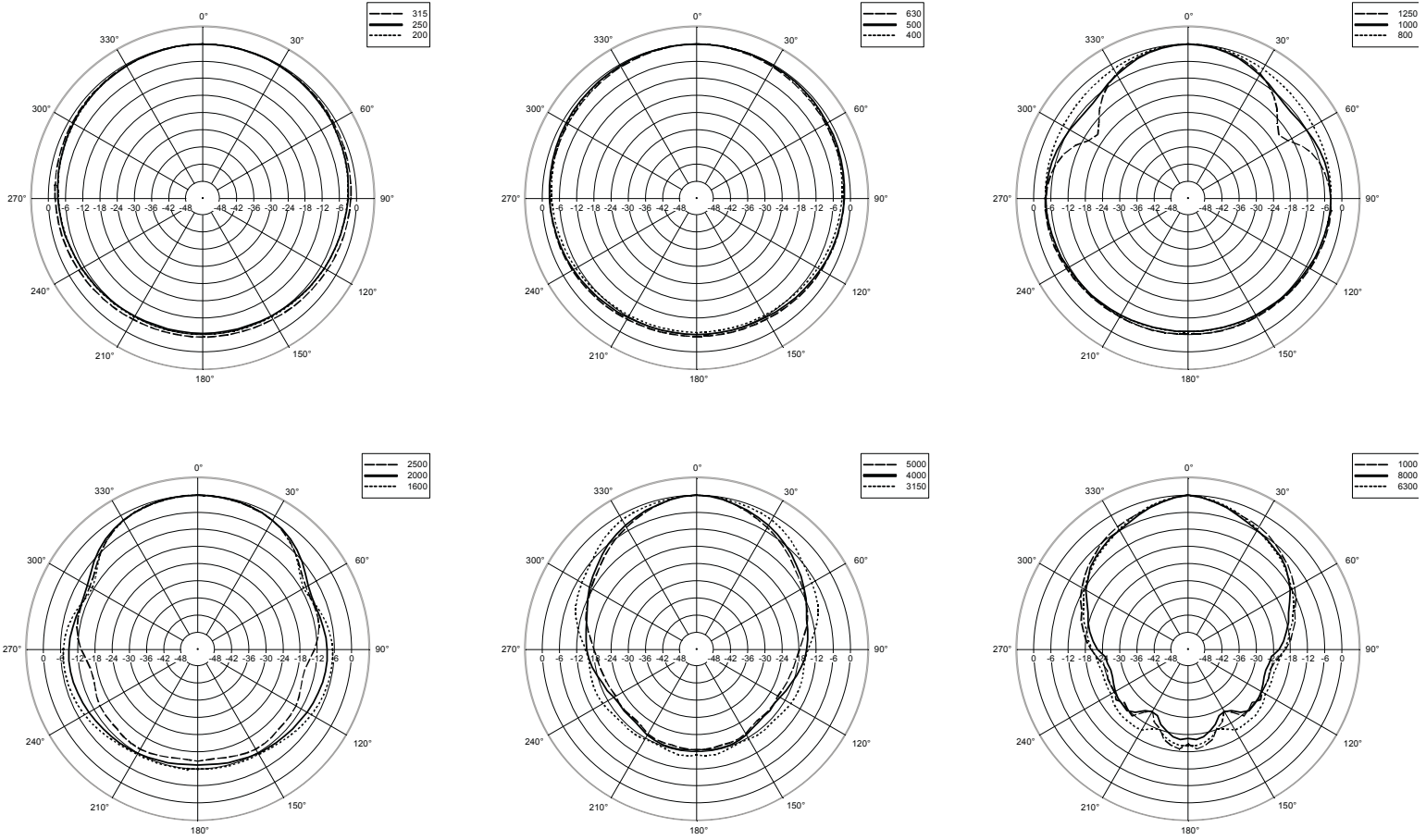
Nominal power:	400 Watt
High frequencies:	ab / 50 Watt
Mid frequencies:	-
Low frequencies:	H / 350 Watt
Cooling:	Convection

PHYSICAL

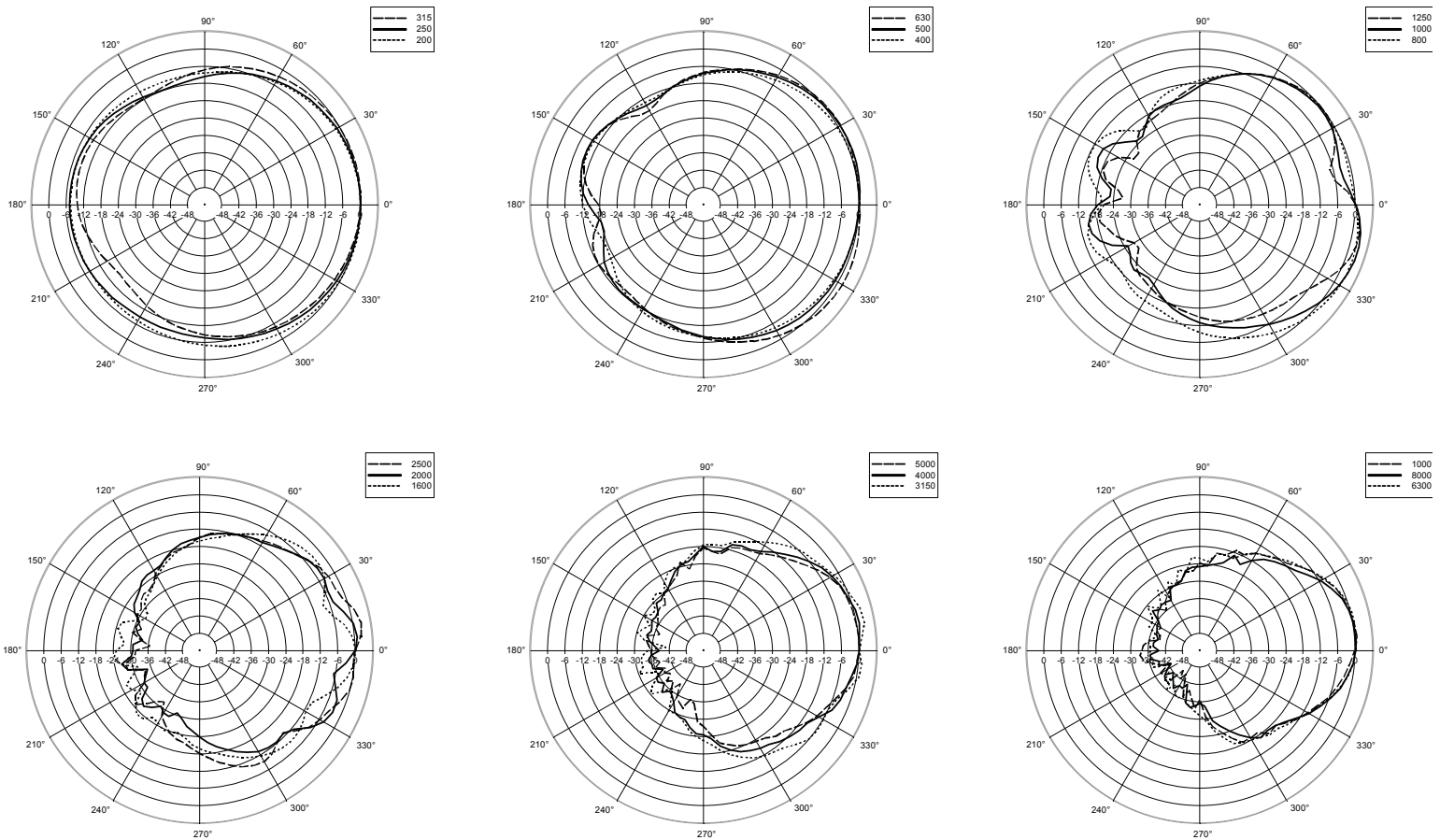
Cabinet:	Baltic Birch
Dimensions (HxWxD):	16.29" x 16.14" x 22.16" (414x410x563 mm)
Weight:	56 lbs. (25.4 kg)
Hardware:	-
Handles:	1 side
Pole Mount / Cap:	-
Colour:	Black



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, 42010 Mancasale, Reggio Emilia, Italy.

B. Model number: 4PRO 3002-SMA

2.02 Design

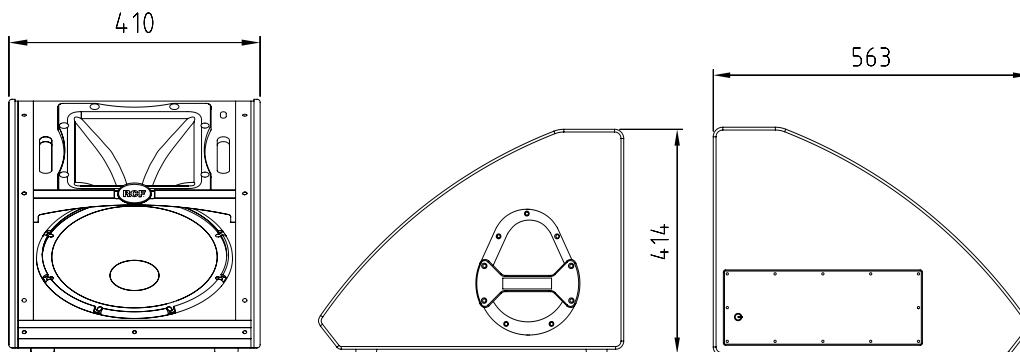
Configuration	2 way speaker
LF Sub-section	12" woofer, 75 mm edge wound aluminium coil
MR Sub-section	-
HF Sub-section	2" neodymium

2.03 Acoustical Properties

Nominal dispersion angle:	Horizontal: 40° - Vertical: 60°
Axial frequency range:	45Hz-20kHz

2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	-
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	jack/xlr
Dimensions (H x W x D):	16.29" x 16.14" x 22.16" (414x410x563 mm)
Weight:	56 lbs. (25.4 kg)



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