

TT22-A

HIGH OUTPUT 2 WAY SPEAKER



The TT22a is a full range, high power active system that sets a new standard in the touring and theatre sound reinforcement.

TT22a is a 2-way active system featuring 12" neo woofer, 86 mm voice coil in a bass reflex configuration; 1,5" exit, 75 mm voice coil neo compression driver; 90° x 40° aluminum, constant directivity horn, 90° rotatable. Each transducer has been specifically designed for the application. The woofer provides large excursion and very light weight. The voice coil is a new 3.5" design, best compromise between power handling and low mass. The compression driver features a new pure titanium dome. Special ribs on the dome provides maximum flatness and extension in very high frequencies and venting on top plates guarantee distortion free midrange extension. Thanks to the extensive use of neodymium and new basket designs, the total weight of the 2 transducers is less than 9 Kg!

The amplifier section features 750 watt switching power supply module, 500 watt low frequency digital amplifier module, 250 watt high frequency digital amplifier module, extra capacitor bus able to sustain the voltage for 100 ms burst signals. The total available power supply power is 750 watts and can be distributed to the 2 final amplifier sections. Each amplifier section has a very high maximum output power capability in order to provide, when necessary, maximum output bursts in a specific frequency range.

The input section provides In/Out XLR connectors, system sensitivity control, full range – high pass switch, side to side or floor coupling correction switch, 4 status LEDs. The high quality analog input board provides linear phase crossovers, system equalization, fast limiter, RMS limiter and configuration control. The AC panel features In/Out Powercon connectors, On/Off switch. The cabinet is in marine baltic birch plywood, coated with high resistance epoxy paint. The mechanical suspension and orientation is very easy thanks to 6 3-points fly tracks. The cabinets features 2 aluminum side handles and a steel pole mount cap.

Applications

- Theatrical sound reinforcement
- Portable and installed audio-visual systems
- Concert halls, night clubs and houses of worship
- Stage monitoring side fill
- Front and balcony fill

Features

- Very compact size (600 x 400 x 400 mm / 23.62" x 15.74" x 15.74")
- Maximum output per size available on market
- Minimum weight (25 kg / 55,11 lbs)
- Wide, constant directivity, horizontal coverage angle
- High power neodymium transducers
- 750 watt switching amplifiers
- High quality analog input board
- Soft limiter and rms protection
- XLR in/out, powercon in/out

ACOUSTICAL SPECIFICATIONS

Frequency response:	50 Hz- 20 KHz
Max SPL:	131 dB
Horizontal coverage angle:	90°
Vertical coverage angle:	40°
Compression driver:	1,5" neo, 75 mm voice coil
Midrange:	-
Woofer:	12" neo, 87 mm voice coil

INPUT SECTION

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

PROCESSOR SECTION

Crossover frequencies:	1200 Hz
Protections:	thermal, hf
Sensitivity control:	yes
Limiter:	fast limiter
High pass:	yes, 90 Hz
Controls:	side/floor coupling, HPF

AMPLIFIER

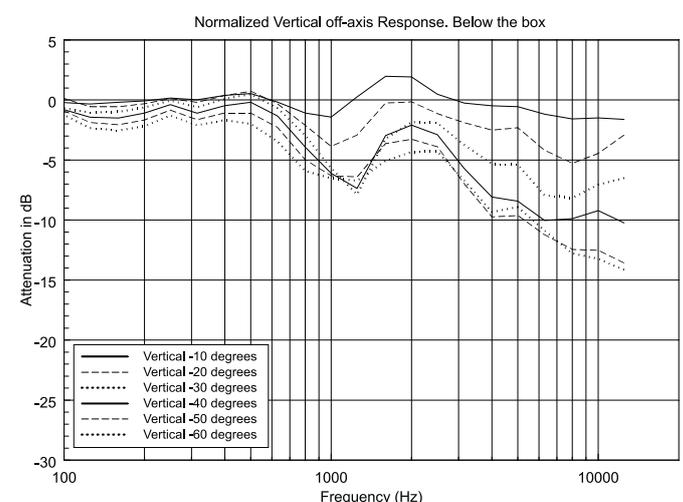
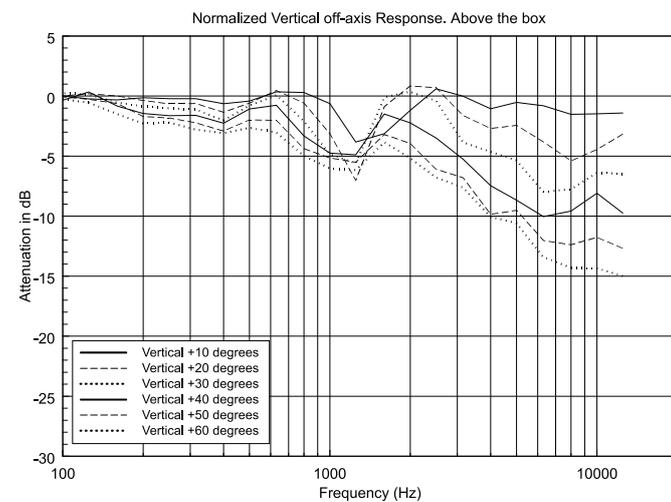
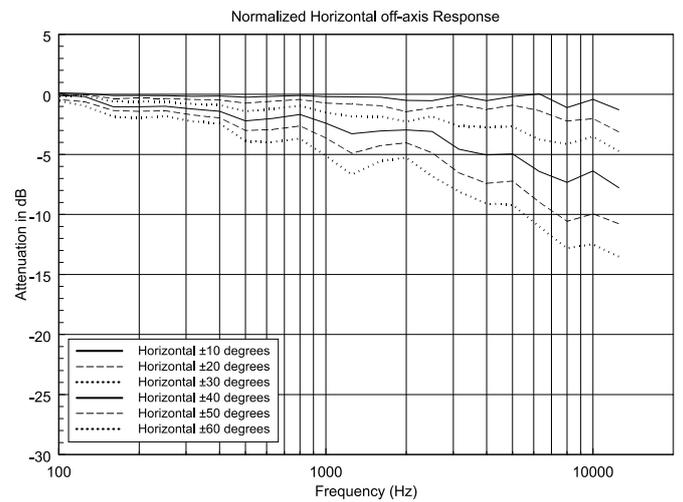
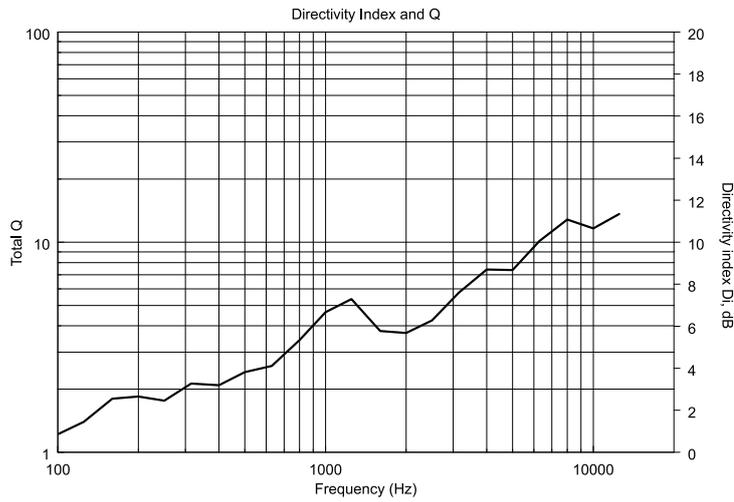
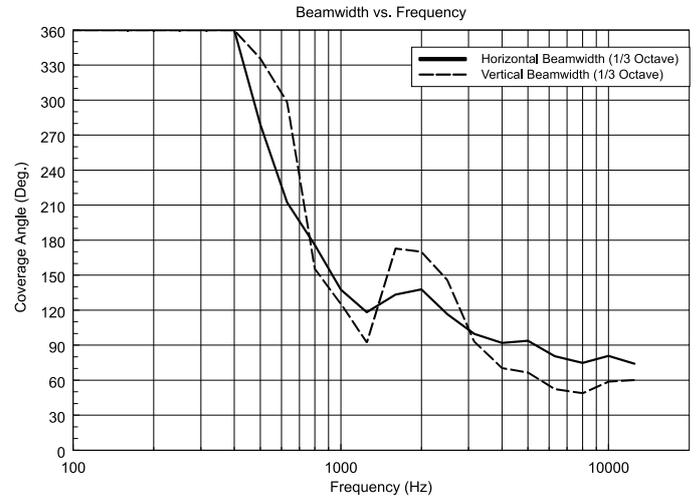
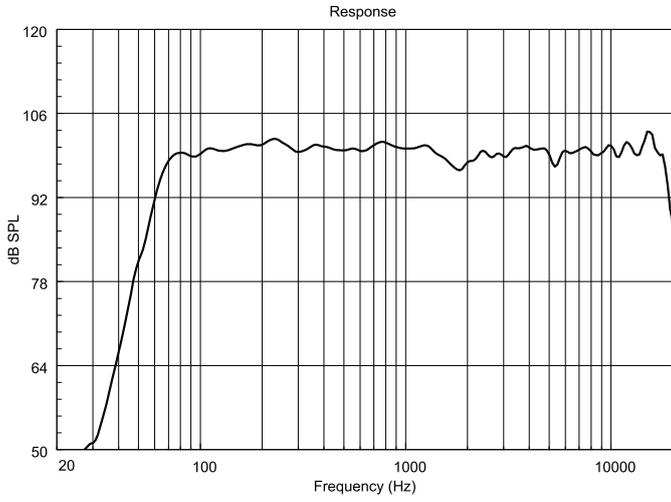
Power supply:	switching 750 Watt
High frequencies:	D / 250 Watt
Mid frequencies:	-
Low frequencies:	D / 500 Watt
Cooling:	convection
Connection:	powercon in/out

PHYSICAL

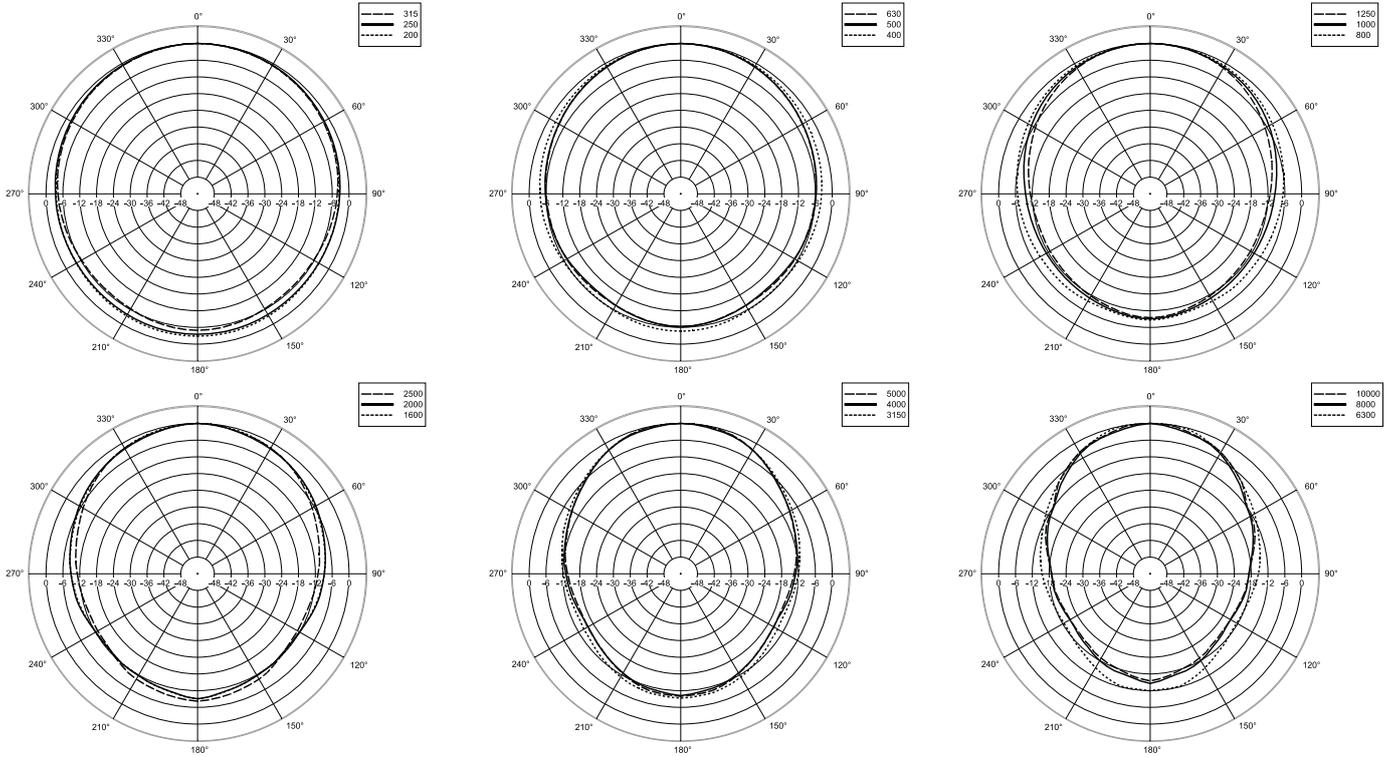
Height:	600 mm (23.62")
Width:	400 mm (15.74")
Depth:	400 mm (15.74")
Weight:	23,2 kg (51,14 lbs)
Cabinet:	baltic birch
Hardware:	6 x fly tracks
Handles:	2 on side
Pole mount cap	yes
Colour:	Black

the rules of sound

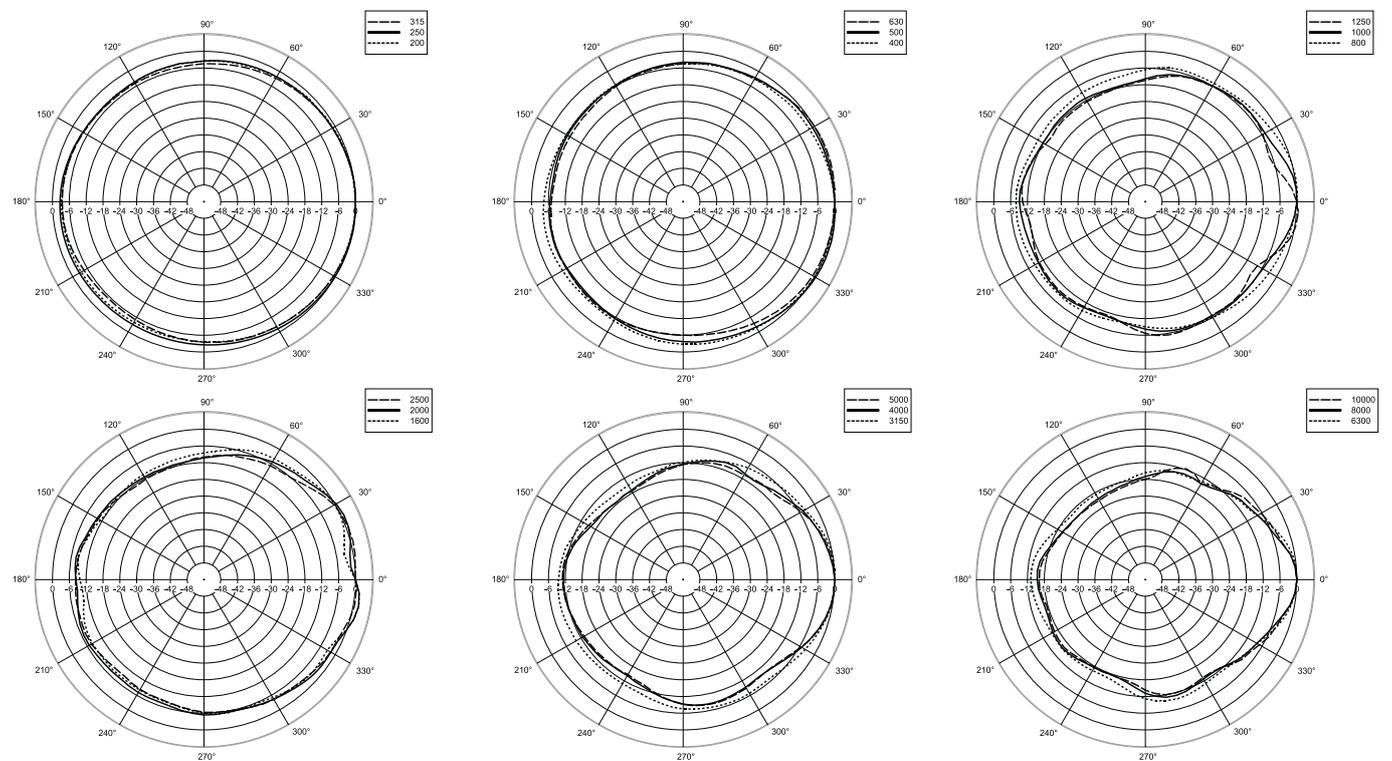




Horizontal 1/3 Polar Plot



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, 42100 Mancasale, Reggio Emilia, Italy.
- B. Model number: TT22-A

2.02 Design

Configuration	high output 2 way speaker
LF Sub-section	12" neodymium woofer, 87 mm voice coil
MR Sub-section	-
HF Sub-section	1,5" neodymium, 75 mm voice coil

2.03 Acoustical Properties

Nominal dispersion angle:	Horizontal: 90° - Vertical: 40°
Axial frequency range:	50Hz-20kHz

2.04 Physical Properties

Cabinet:	Baltic birch
Rigging inserts:	6 x fly tracks
Color:	Black
Grille:	Custom perforated steel grille with open-cell poly fiber backing
Input Connectors:	xlr
Dimensions (H x W x D):	600 x 400x 400 mm (23.62" x 15.74" x 15.74")
Weight:	23,2 kg (51.14 lbs.)

2.05 Accessories

AC PM M20	M20 pole mount for TT22-A or TT25-A speakers
ACS 260	Steel speaker floor stand, load capacity up to 60 kg
ACS 140	Steel speaker floor stand, load capacity up to 40 kg
Cover TT22	Protection cover for TT22.
AC DS4X	Kit 4 hook kit for suspending fly track bar.
AC EB4X	Kit including No. 4 shouldered 0.39 inch eye bolts

