

TT25-SMA

PRECISION STAGE MONITOR



The TT25-SMA is a full range, high power active system that sets a new standard in the touring and theatre sound reinforcement. By producing flat amplitude and phase responses, full-range bandwidth and exceptional impulse response, the TT25-SMA far exceeds the capabilities of conventional stage monitors.

The TT25-SMA horn on a coaxial transducer exhibit constant Q. The beamwidth remains consistent across the horn's operating frequency range and coverage (60-degree conical) allows the performer great freedom of movement within the coverage area. Frequency response is uniform across the specified beamwidth, with minimal side lobes.

The compact, active, TT25-SMA enclosure houses a new design coaxial 15-inch neodymium cone driver and a 64-mm diaphragm compression driver along with phase-corrected control electronics and amplification.

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, side to side 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 preventing driver over-exursion and assuring high sound pressure levels with minimal power compression. 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 cabinets features 2 side handles

Applications

- Main vocal stage monitor
- High-output drum or keyboard monitor
- Sidefill monitor for small- to medium-scale applications
- Stage monitor system side fill

Features

- 750 Watt switching amplifiers
- 60° conical, constant directivity coverage angle
- 3.5" voice coil, neodymium woofer
- 2.5" voice coil, neodymium compression driver
- High quality analog input board
- Soft limiter RMS protection
- Very low profile
- Very high output

ACOUSTICAL SPECIFICATIONS

Frequency response:	50 Hz- 20 KHz
Max SPL:	131 dB
Horizontal coverage angle:	60° conical
Vertical coverage angle:	60° conical
Compression driver:	1,5" neo, 64 mm voice coil
Midrange:	-
Woofer:	15" neo, 87 mm voice coil

INPUT SECTION

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

PROCESSOR SECTION

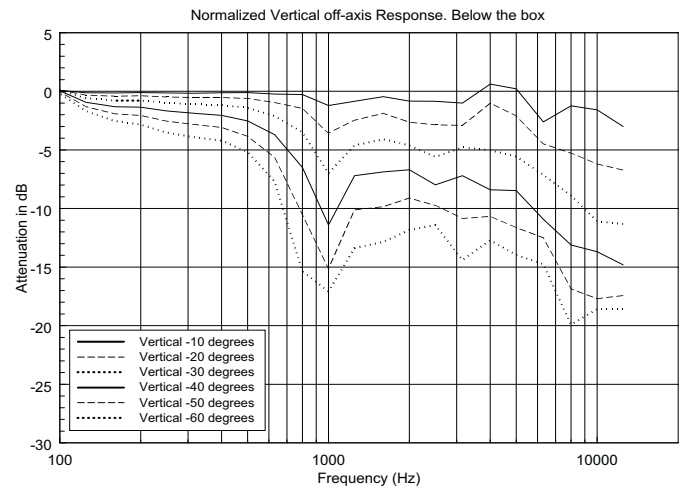
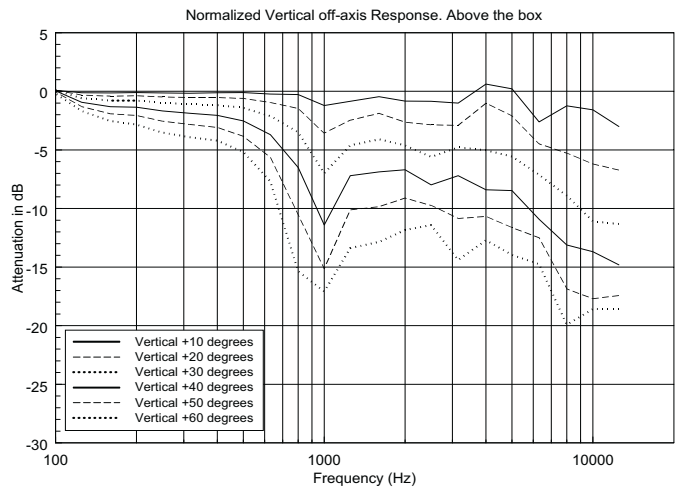
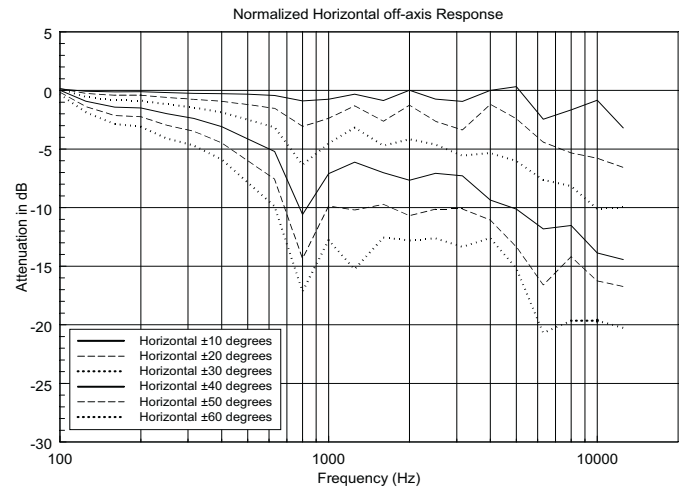
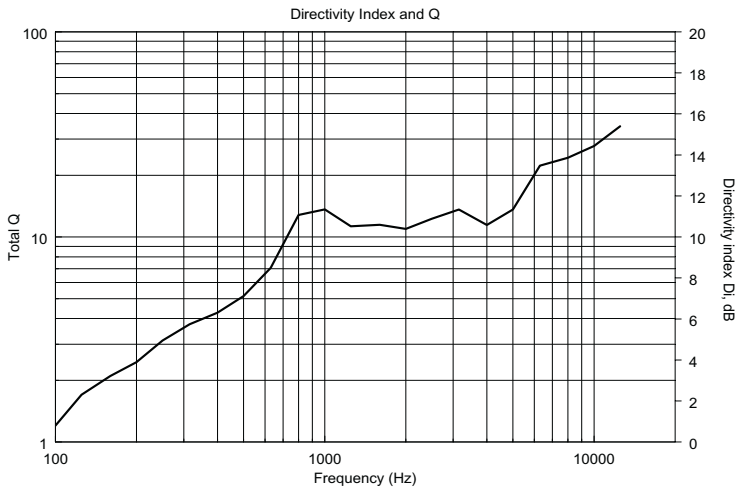
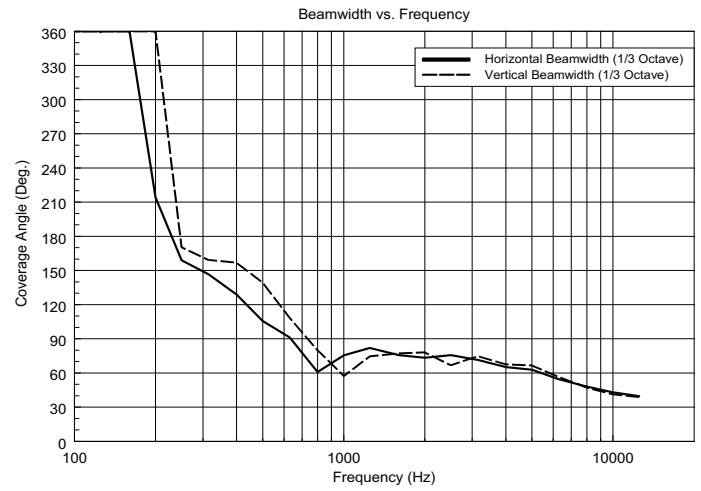
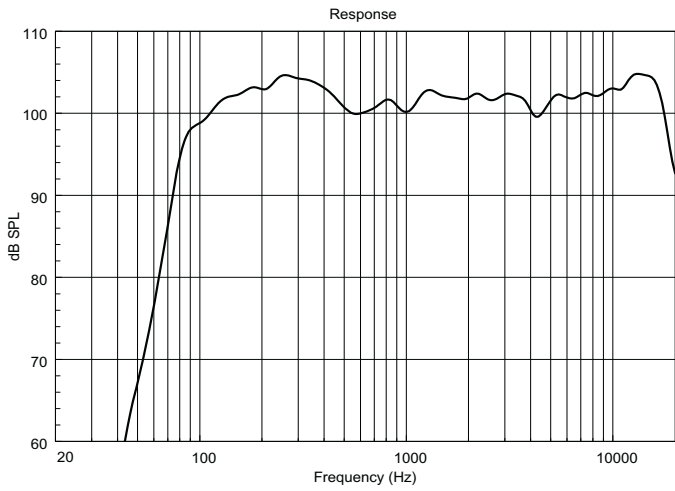
Crossover frequencies:	1200 Hz
Protections:	thermal, hf
Sensitivity control:	yes
Limiter:	fast limiter
High pass:	-
Controls:	side/floor coupling

AMPLIFIER

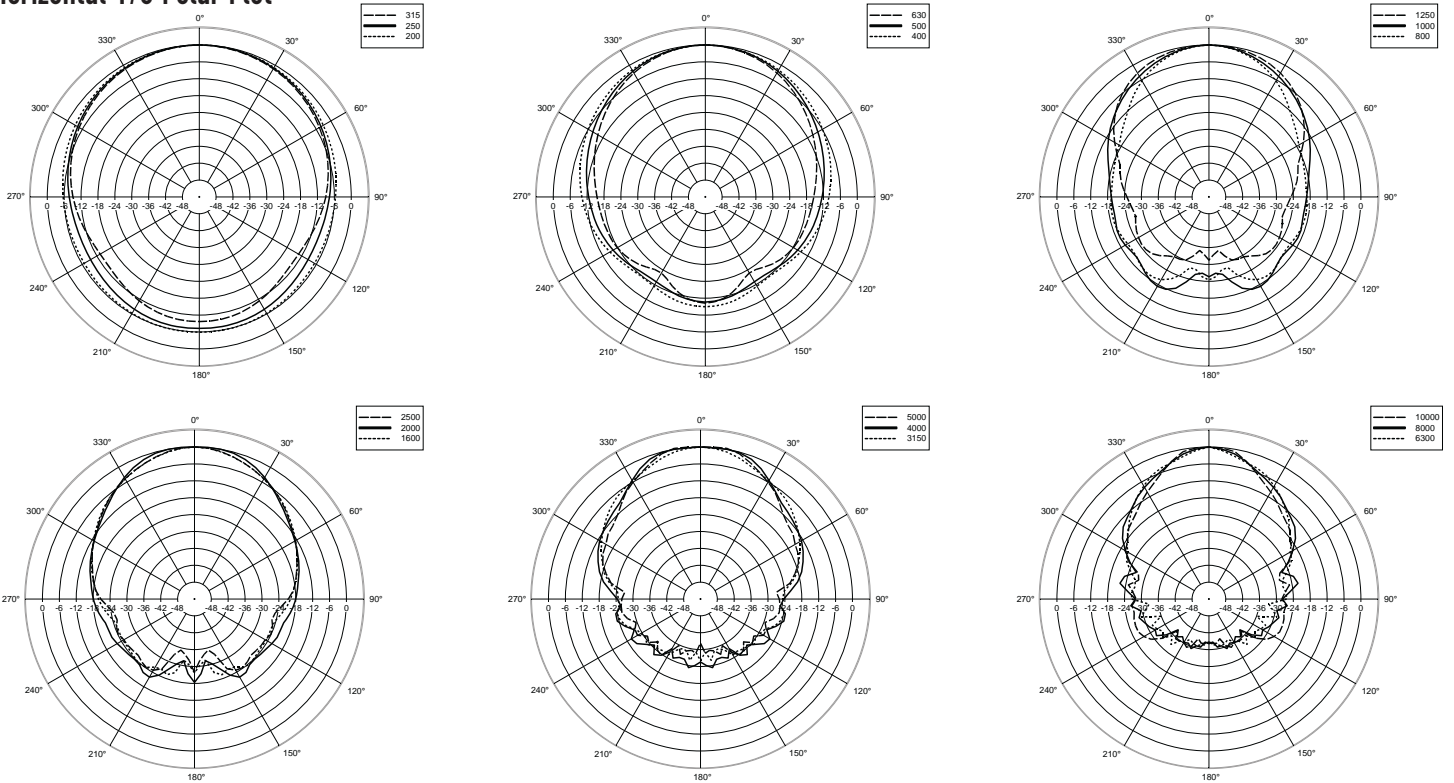
Power supply:	switching 750 Watt
High frequencies:	D / 250 Watt
Mid frequencies:	-
Low frequencies:	D / 500 Watt
Cooling:	convection
Connection:	powercon in/out

PHYSICAL

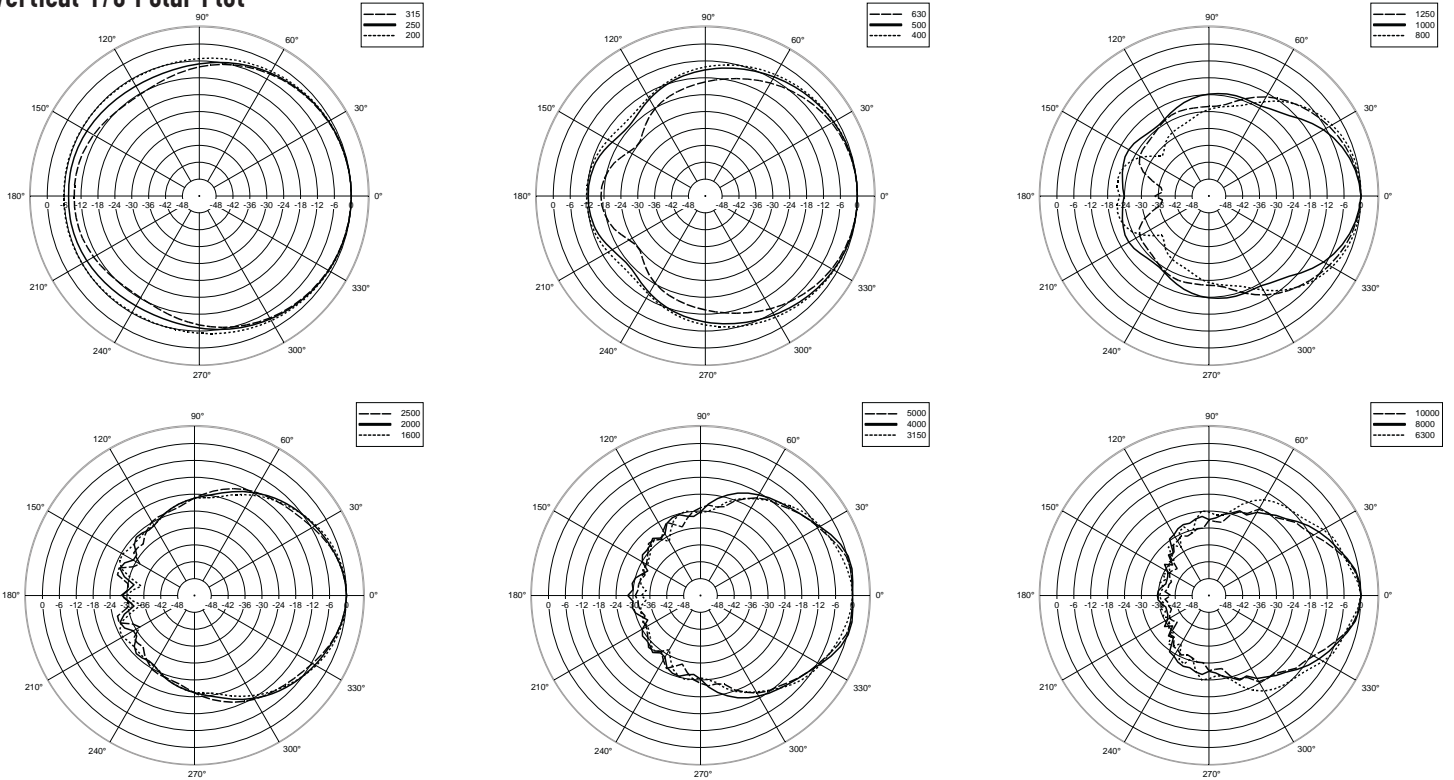
Height:	330 mm (12,99")
Width:	580 mm (22,83")
Depth:	432 mm (17,00")
Weight:	20 kg (44 lbs)
Cabinet:	baltic birch
Hardware:	-
Handles:	2 on side
Colour:	Black



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, 42100 Mancasale, Reggio Emilia, Italy.
- B. Model number: TT25-SMA

2.02 Design

Configuration	precision stage monitor
LF Sub-section	15" neodymium woofer, 87 mm voice coil
MR Sub-section	-
HF Sub-section	1,5" neodymium, 64 mm voice coil

2.03 Acoustical Properties

Nominal dispersion angle:	60° conical
Axial frequency range:	50Hz-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:	xlr
Dimensions (H x W x D):	330 x 580 x 432 mm (12.99" x 22.83" x 17.00")
Weight:	20 kg (44 lbs.)

