

# TT25-CXA

## ACTIVE HIGH DEFINITION COAXIAL MONITOR



### MAIN APPLICATIONS

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

### MAIN FEATURES

- 1100 W Class D Amplifier
- 60 x 60 constant directivity coverage angle
- 15" neo coaxial woofer, 3.5" mm voice coil
- 1.5" neo coaxial c. driver, 2.5" mm voice coil
- DSP Processing
- Onboard RDNet Control
- Multifunctional cabinet
- Very high output

### DESCRIPTION

The TT25-CXA is a full range, high performance coaxial monitor. The linear response curve, the consistent coverage and acoustic output make the TT25-CXA II the professional choice for most demanding situations. The voicing is accurate and deep, the sound is transparent in the mids and extremely accurate at very high frequencies. The size is compact and the profile is very low for a discreet appearance. The TT25-CXA is a high power active system that sets a new standard in the touring and theatre sound reinforcement. By producing flat amplitude and phase response, full-range bandwidth and exceptional impulse response, the TT25-CXA far exceeds the capabilities of conventional stage monitors.

The TT25-CXA horn on a coaxial transducer exhibits constant Q. Frequency response is uniform across the specified beam width, with minimal side lobes. The compact active TT25-CXA enclosure houses a coaxial 15-inch neodymium cone driver and a 64mm diaphragm compression driver, along with phase-corrected control electronics and amplification. The HF transducer is a high performance 2.5-inch diaphragm compression driver with a 1.5 inch exit throat featuring several state-of-the-art technologies. RCF has developed an oxygen-free process of moulding ultra thin films made of pure titanium into high-quality precision diaphragms

Two independent digital amplifiers – 800 W low frequencies, 300 W for the high frequency driver – deliver an astonishing output power making the TT25-CXA one of the most powerful coaxial monitors in its category. Our class D amplifiers offer hi-fi sound, extremely low distortion with negligible quiescent noise and stable burst response

TT25- CXA is equipped with a state of the art input board which features XLR In/Out, a rotating encoder for Gain reduction, Time Delay, Speaker presets, RDNet IN/OUT, 4 status LEDs, Powercon In/Out.

TT25- CXA features a 96 Khz, 32 bit DSP processing and a dedicated networking board. Using our proprietary RDNet protocol is possible to monitor all the system parameters, from the input to the status of each single amplifier. Having a Dsp on board of each cabinet, it is possible to address to single cabinets or groups of cabinets specific presets or modifications of parameters like gain, equalisation or delay. The RDNet protocol is based on RS-485 communication protocol, it is very stable and it is possible to send and receive data on a simple XLR cable.

All new TT+ Two-Way Systems feature a newly designed multifunctional rear encoder to easily control all the speaker functions (Gain reduction, Delay, Speaker presets), even without network connection.

The cabinets feature an aluminium top handle and a side pole mount. The limited size and slim design of TT25-CXA monitors not only helps during transport, but also allows to improve the visibility on stage.

### ACOUSTICAL SPECIFICATIONS

|                            |                       |
|----------------------------|-----------------------|
| Frequency response:        | 50 Hz- 20 Khz         |
| Max SPL:                   | 133 dB                |
| Horizontal coverage angle: | 60°                   |
| Vertical coverage angle:   | 60°                   |
| Compression driver:        | 1,5", 2,5" voice coil |
| Woofer:                    | 15", 3.5" voice coil  |

### INPUT SECTION

|                           |                    |
|---------------------------|--------------------|
| Input signal (Impedance): | bal/unbal          |
| Input/Output connector:   | XLR, RDNet onboard |
| Input sensitivity:        | -2 dBu / + 4 dBu   |

### PROCESSOR SECTION

|                        |                       |
|------------------------|-----------------------|
| Crossover frequencies: | 900 Hz                |
| Protections:           | Thermal, HF           |
| Limiters:              | soft limiter, dynamic |

### AMPLIFIER

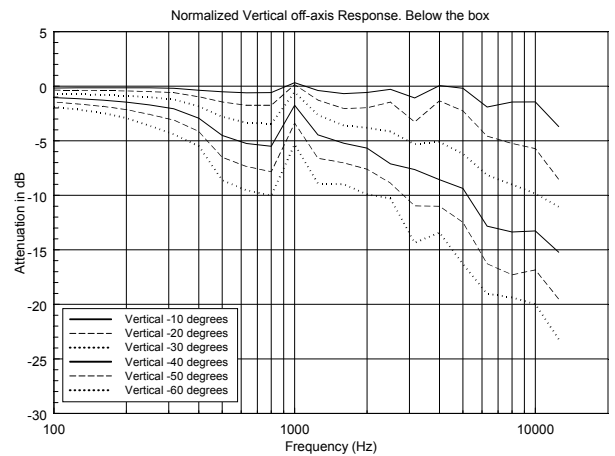
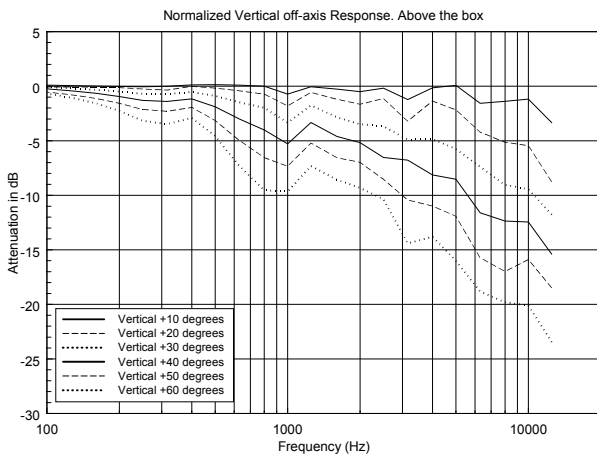
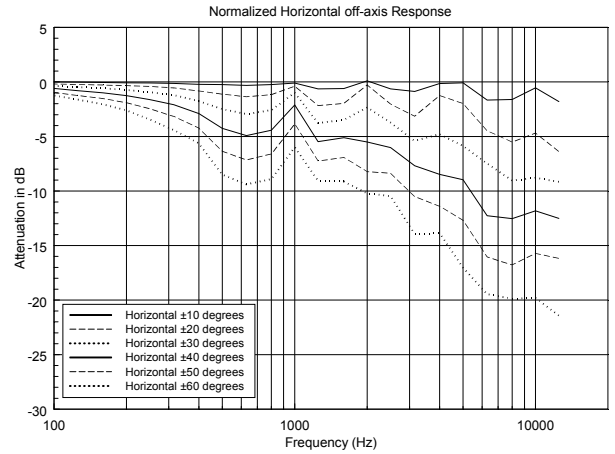
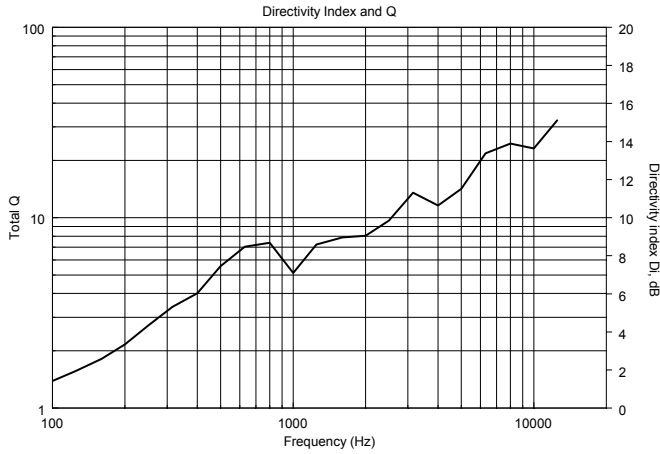
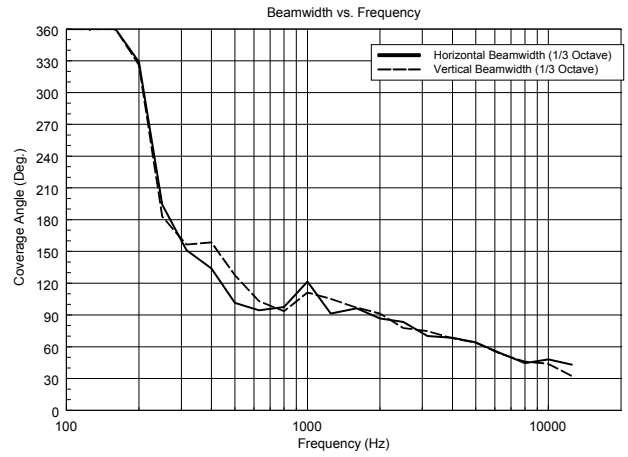
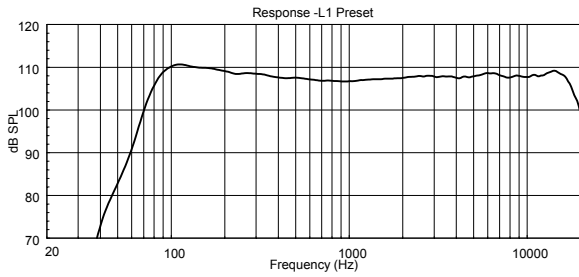
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|-------------------|-----------------|
| Total power:      | 1100 W RMS      |
| High frequencies: | 300 W RMS       |
| Low frequencies:  | 800 W RMS       |
| Cooling:          | convection      |
| Connection:       | powercon in/out |

### PHYSICAL

|                |                      |
|----------------|----------------------|
| Height:        | 353 mm (13.89")      |
| Width:         | 580 mm (22.83")      |
| Depth:         | 486 mm (19.15")      |
| Weight:        | 18 kg (39.6 lbs)     |
| Cabinet:       | baltic birch plywood |
| Handles:       | 2 side               |
| Pole mount cap | yes                  |
| Colour:        | Black                |

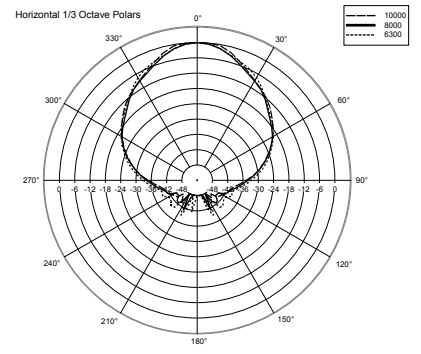
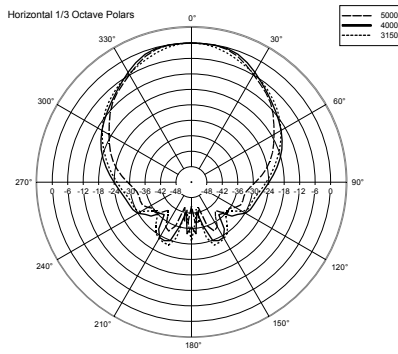
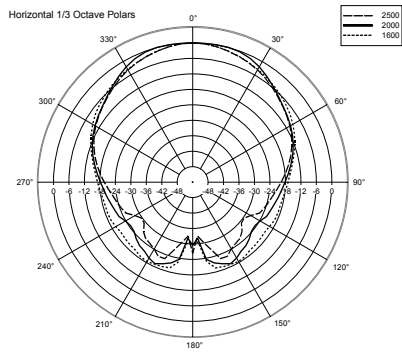
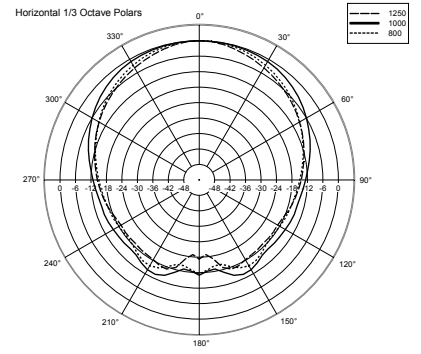
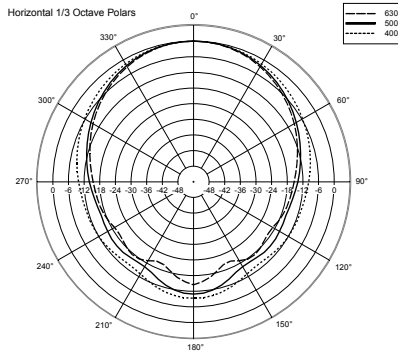
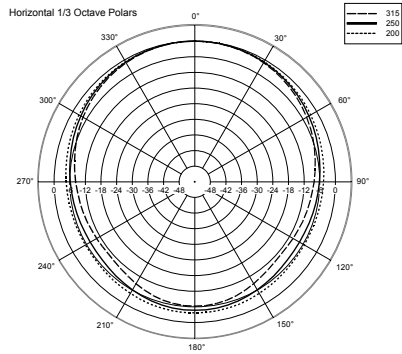


# TT25-CXA

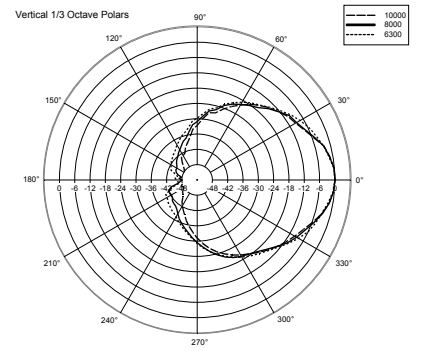
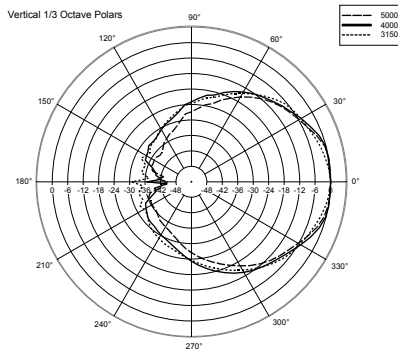
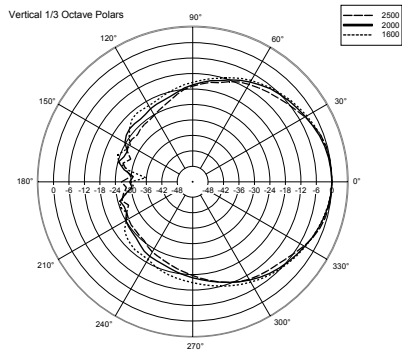
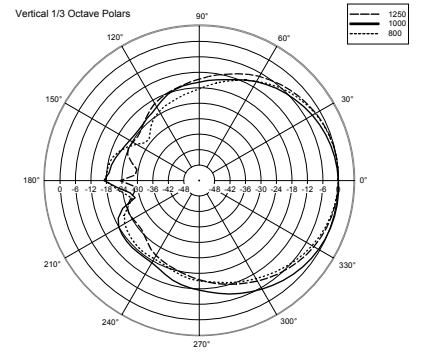
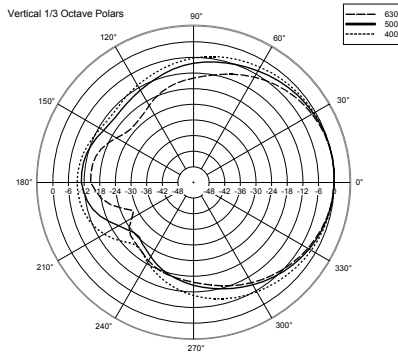
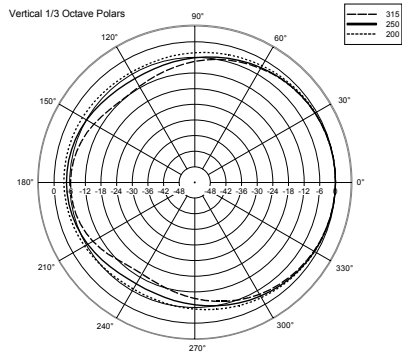


# TT25-CXA

## HORIZONTAL 1/3 POLAR PLOT



## VERTICAL 1/3 POLAR PLOT



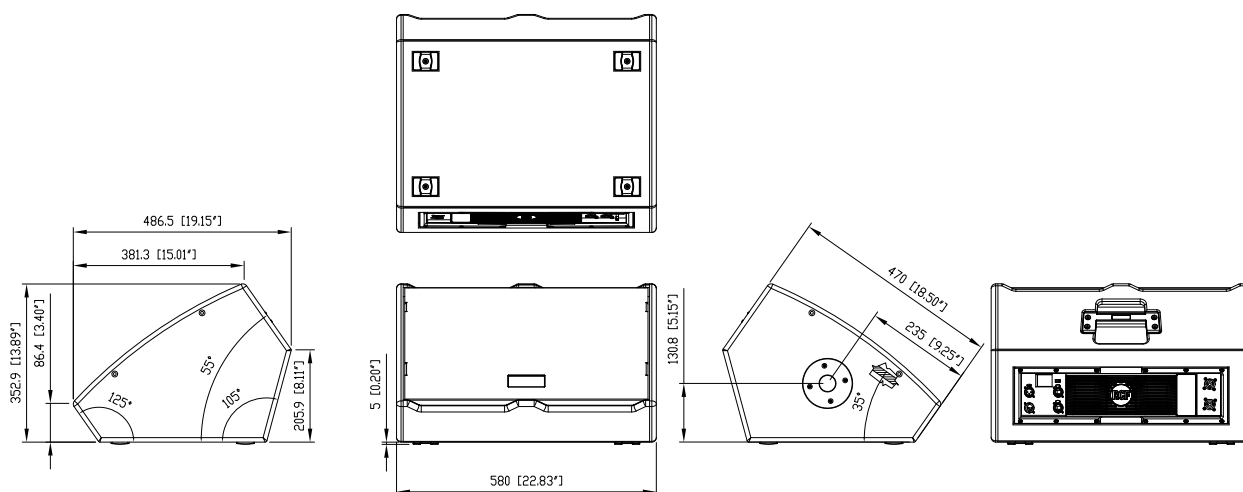
# TT25-CXA

## PART NUMBERS

13000448 - 230 V

13000449 - 115 V

## DIMENSIONS (All data are in mm)



TT25-CXA

## ACCESSORIES

|           |                                      |
|-----------|--------------------------------------|
| AC DS4X   | 4 HOOKS KIT                          |
| AC PMA    | SPEAKER POLE MOUNT                   |
| AC PRO-FS | PROFESSIONAL LOUDSPEAKER FLOOR STAND |
| AC PRO-LF | PROFESSIONAL ADAPTER SLEEVE          |
| AC PRO-PM | POLE MOUNT WITH RING LOCK            |
| AC S140   | FLOOR STAND FOR LOUDSPEAKERS         |
| AC PMX    | SPEAKER POLE MOUNT                   |
| AC S260   | FLOOR STAND FOR LOUDSPEAKERS         |
| AC PM M20 | M20 POLE MOUNT                       |