

TC Series TC-08 Speaker System

Features

- Differential Dispersion
- Horn Repeatable
- 2xMonitor Angles
- High performance
- Compact
- Portable

Application

- Conferences /Meeting Rooms
- Bars/Restaurant's
- Foldback/Monitor

Description

The TC-08 is a compact passive 8" woofer + 1" horn with a specially designed a differential desperation horn

The sides of the TC-08 are designed to give 2 x monitor angles.

The TC-08 is made from multi-layer birch plywood, is painted strong and environmental coating & with a mesh metal grille with foam backing to protect the driver. There is 11 M8 mounting points and a top hat speakers stand in the base. 2 x speakon NL4 connectors,

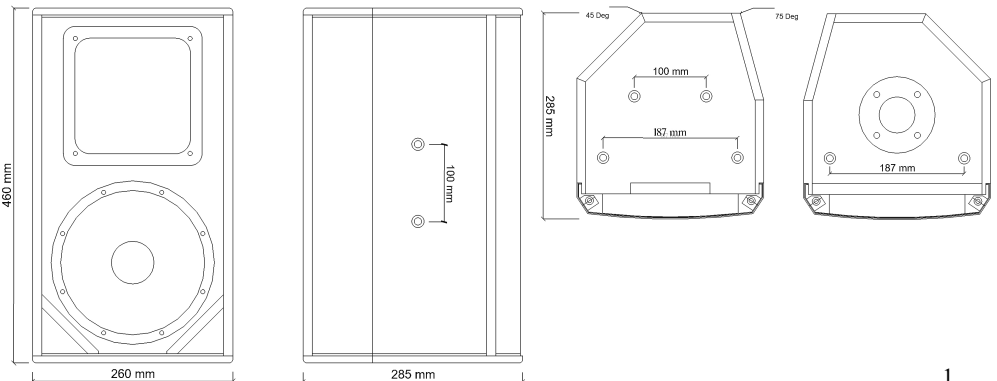
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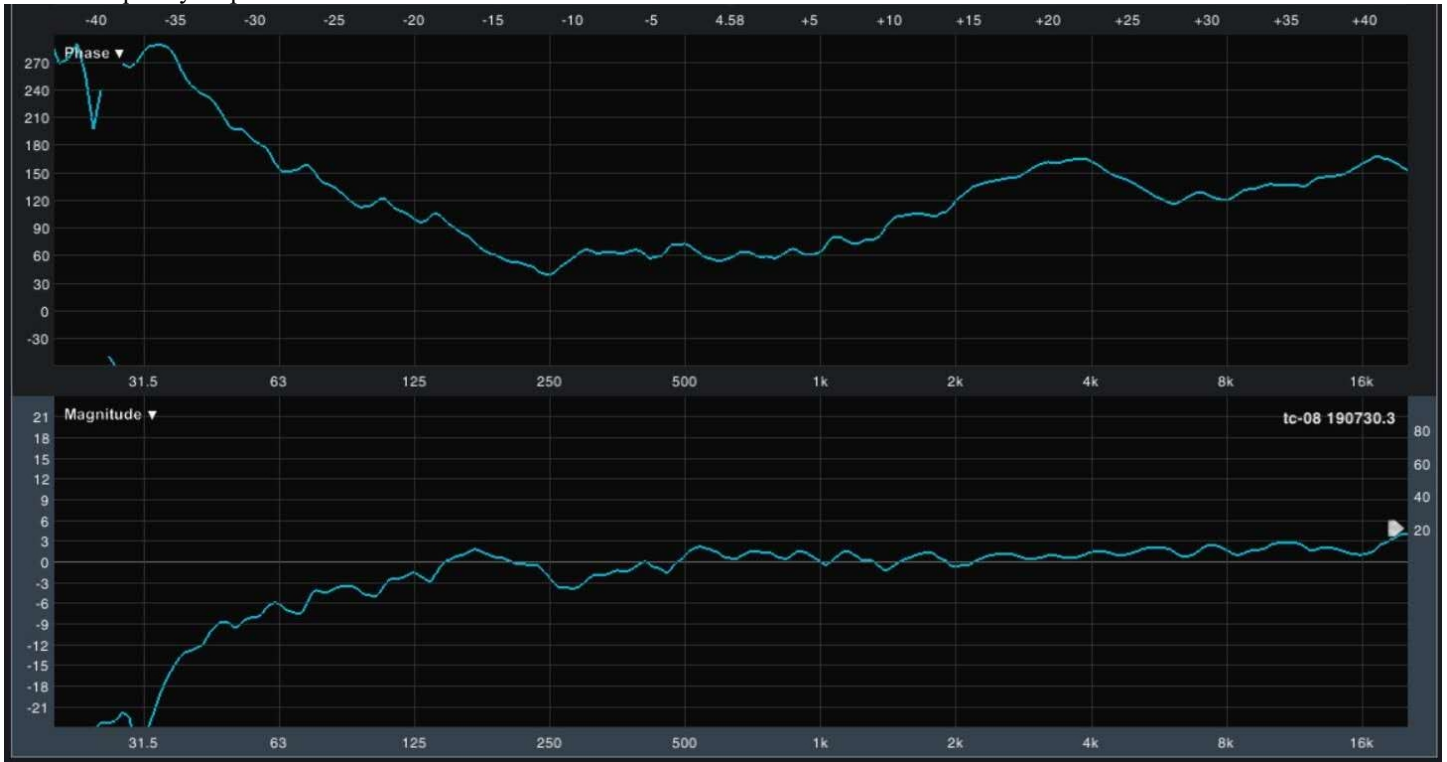
Specification – TC-08

Frequency Response	65Hz – 21khz (+/- 6dB)
Sensitivity	95dB (1W@1m)
Nominal Impedance	8ohms
Power Handling	150Watt AES
Continuous & Max SPL	117dB 123dB
Driver LF	8"
Driver HF	1" 44mm VC
Dispersion	Horizontal Near 100 Horizontal Far 50
Construction	15mm Birch Ply
Finish	Textured black paint
Input Connector	Speakon NL4x2
Dimintions	460x260x285 (HxWxD)
Net Weight	12.0kg

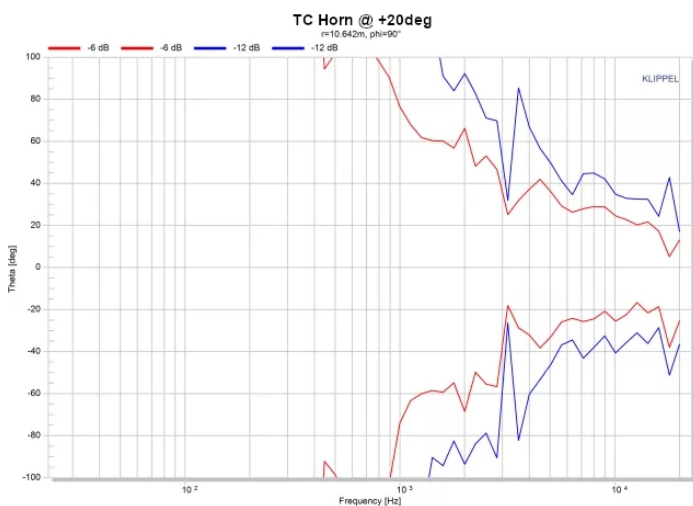


The TC-08 woofer has a rubber suspension that makes TC-08 efficient in low-frequency performance at lower sound pressure levels. It is matched with a 44mm large-diameter voice coil horn driver so that under normal working conditions the horn is never pushed hard. This is done in order to obtain the lowest possible distortion level & extend the 20kHz high frequency response. This is important for the tonal quality of the sound and listen pleasure.

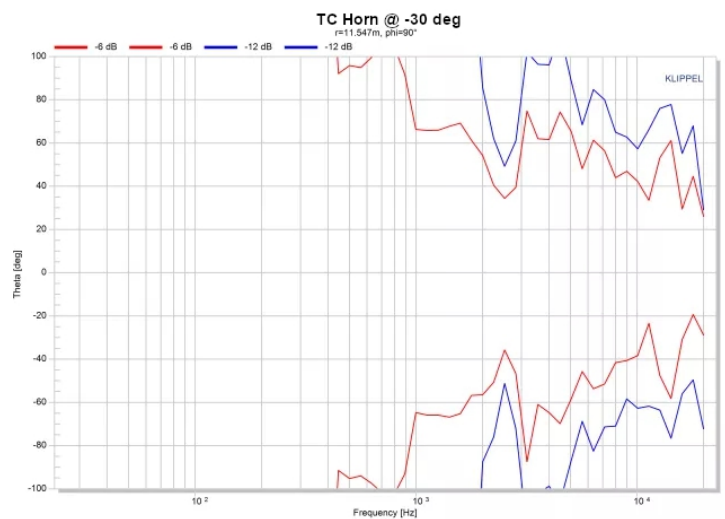
TC-08 Frequency response



TC-08 horn flare has a special propagation design. In the vertical direction, the coverage angle of the upper part of the positive axis is small, which reduces the sound energy projected to the ceiling and reduces the chaotic reflection generated by the ceiling. The radiation angle below the horn is wider so sound is projected into the audience area.

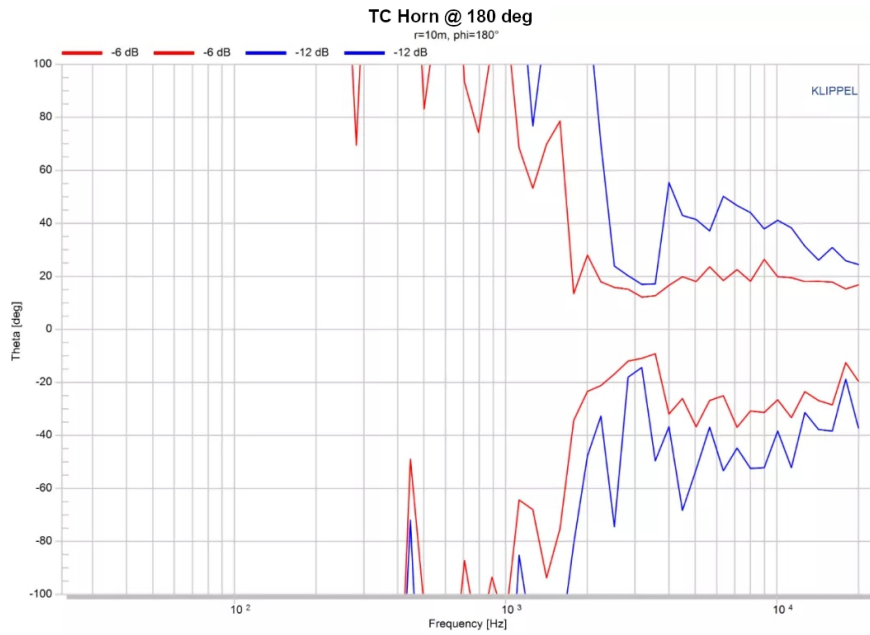


TC-08 Dispersion @ 20 degrees about the box



TC-08 Dispersion @ 30 degrees below the box

In the horizontal plane the near radiating angle below the positive axis is wide, which is better for the audience closer to the speaker. The distant radiating angle above the positive axis is narrower so sound energy is projected to the rear, this avoids excessive sound scattering and helps reduce unwanted reflections that reduce sound clarity.



TC-08 Dispersion in the vertical plane showing reduced energy above the axis of the horn



