

TC Series TC-06 Speaker System

Features

- Differential Dispersion
- Horn Repeatable
- High performance
- Compact
- Portable

Application

- Conferences /Meeting Rooms
- Bars/Restaurant's

Description

The TC-06 is a compact passive 6" woofer + 1" horn with a specially designed a differential dispersion horn

The TC-06 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 4 M8 mounting points and a top hat speakers stand in the base.

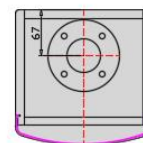
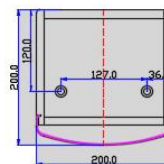
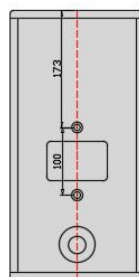
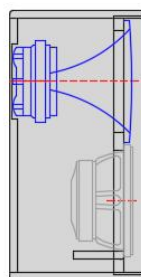
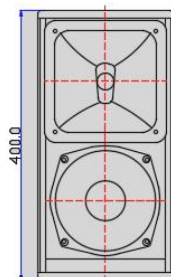
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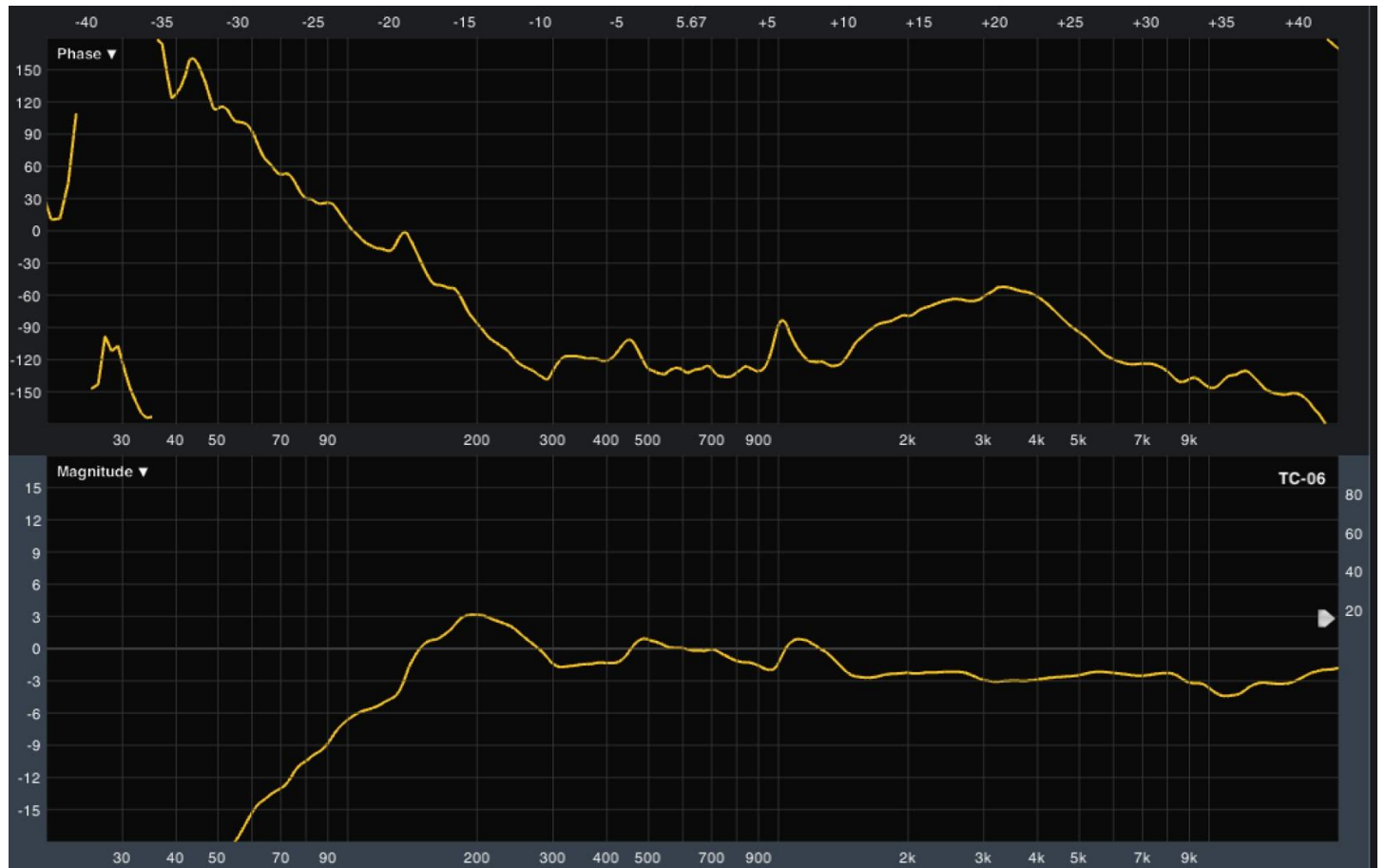
Specification – TC-06

Frequency Response	80Hz – 21kHz (+/- 6dB)
Sensitivity	92dB (1W@1m)
Nominal Impedance	8ohms
Power Handling	120Watt AES
Continuous & Max SPL	114dB 120dB
Driver LF	6.5"
Driver HF	1" 34mm VC
Dispersion	Horizontal Near 100
	Horizontal Far 50
Construction	15mm Birch Ply
Finish	Textured black paint
Input Connector	Push terminal
Dimensions	400x200x200 (HxWxD)
Net Weight	7.5kg



The TC-06 woofer is designed for mid range response and is matched with a 34mm 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-06 Frequency response

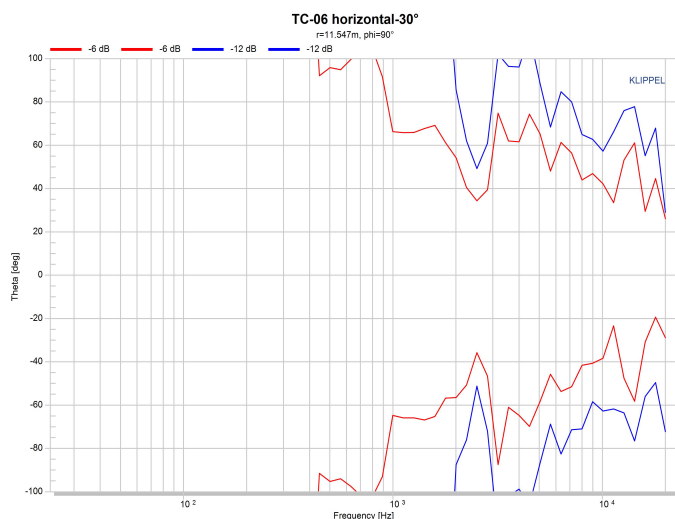


TC-06 horn flare has a special propagation design. In the vertical direction, the coverage angle of the upper part of the positive axis is narrow, which reduces the sound energy projected to the ceiling and reduces the chaotic reflection generated by the ceiling. The radiation angle below the horn is wider so sound is projected into the audience area is more consistent.

TC-08 Dispersion @ 20 degrees about the box

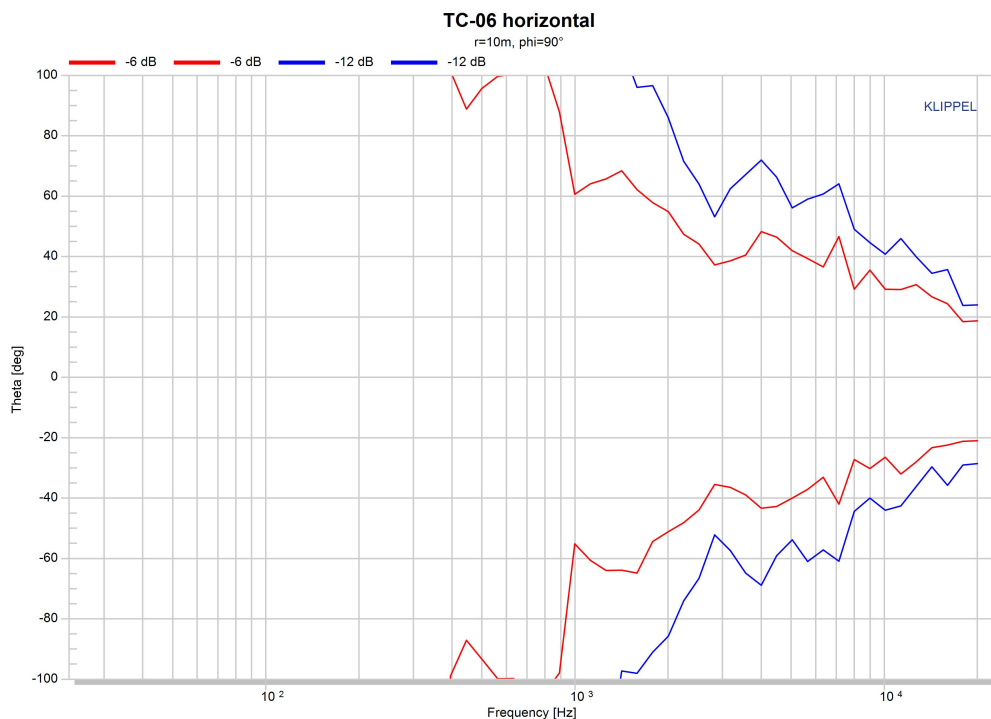


TC-08 Dispersion @ 30 degrees below the box



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-6 On axis



TC-06 Dispersion in the vertical plane showing reduced energy above the axis of the horn

