



The T20i is a consequential transformation of our users requirements. A compact, 30cm slim 2× 10" / 1.4" top in a symmetric construction, perfectly suitable for use in upright and crosswise applications.

Thanks to the sophisticated driver arrangement and passive crossover the T20i has a constant directivity, horizontally as well as vertically. Particularly installations where low ceilings are an issue and conventional two-way loudspeakers are a mere compromise, the T20i shows its true potential.

The T20i comes standard with a rotatable 90° × 50° horn. With the optional 60° × 40° horn thus there are four different dispersion angles possible.

Key Features

- » Compact installation loudspeaker with symmetrical driver arrangement
- » Equipped with 2× 10" long excursion chassis and a 1.4" compression driver
- » 90 × 50 degree or 60 × 40 degree rotatable constant directivity HF horn
- » Horizontal and vertical installation with symmetrical dispersion possible
- » Integrated mounting threads for numerous installation possibilities
- » Coherent phase response with all TWAUDIÖ subwoofers
- » Operation with dedicated TWAUDIÖ presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

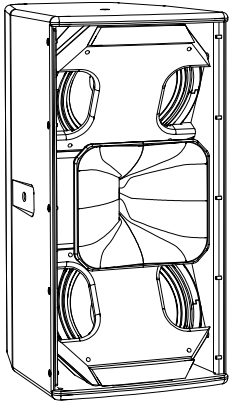
Applications

- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts

T20i

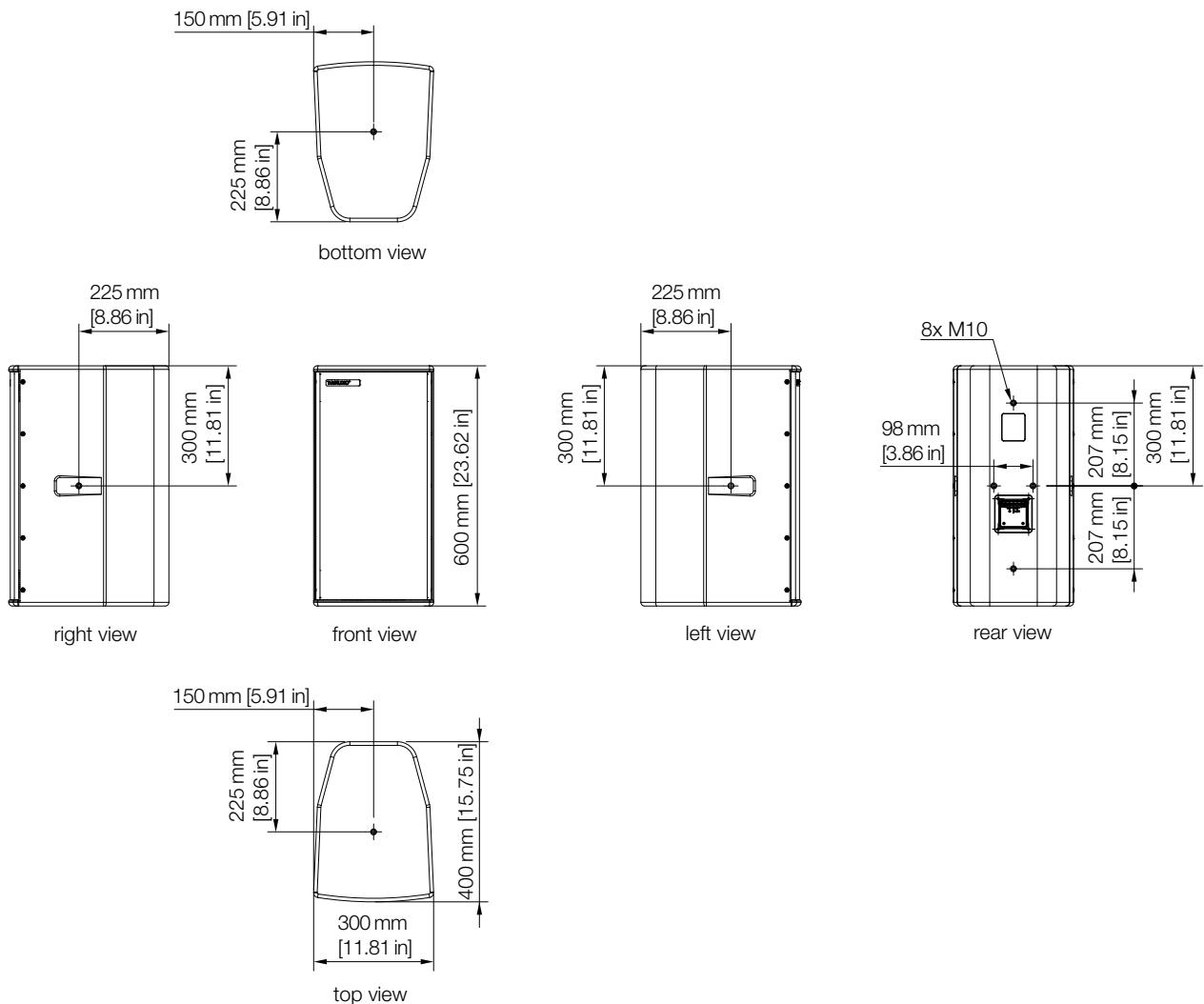
DATASHEET

Technical Data



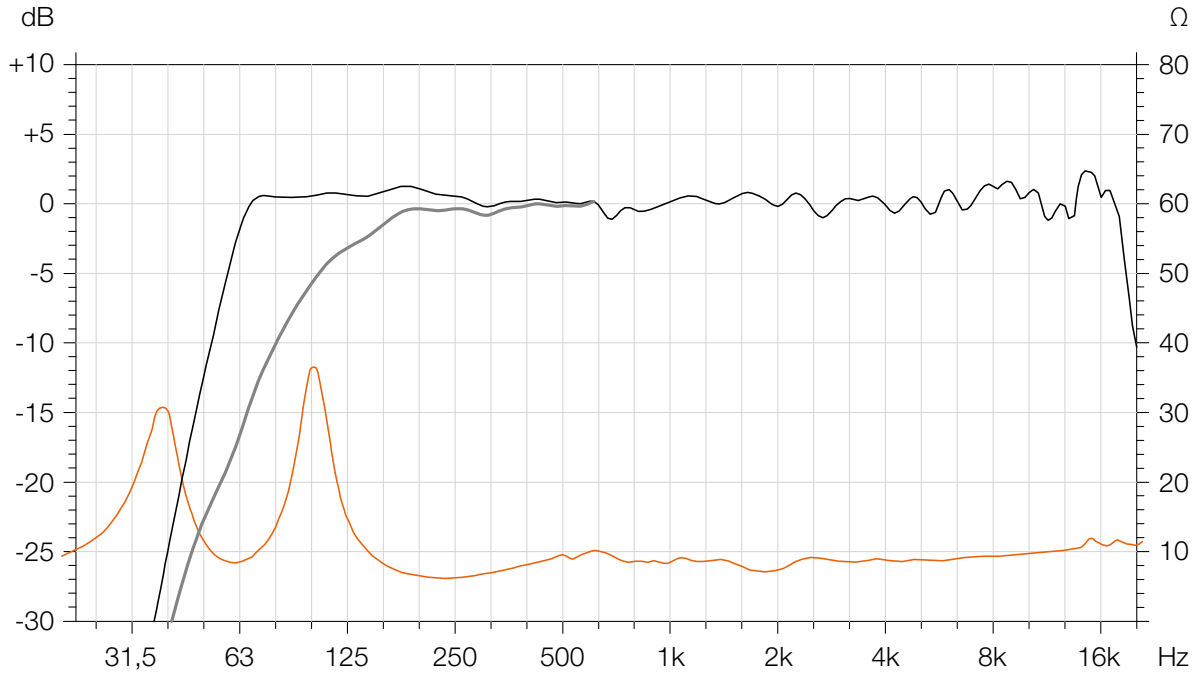
| | |
|-----------------------------|---|
| Drivers | 2x 10" LF / 1x 1,4" HF |
| Frequency range | 60 - 18000Hz |
| Power capacity program/peak | 1000/2000W |
| Impedance | 8Ω |
| Coverage (h x v) | 90° x 50° or 60° x 40° rotatable |
| Sensitivity 1W/1m | 106dB |
| SPLmax / 1m | 138dB |
| Connection | screw terminal 2± LF 1± HF |
| Dimensions (H x W x D) | 600x300x400mm 23.62 x 11.81 x 15.75 in |
| Weight | 24.3 kg 53.6 lbs |
| Finish | Warnex textured paint (RAL colors optional) |
| Accessories | see twaudio.com |

Technical Drawing



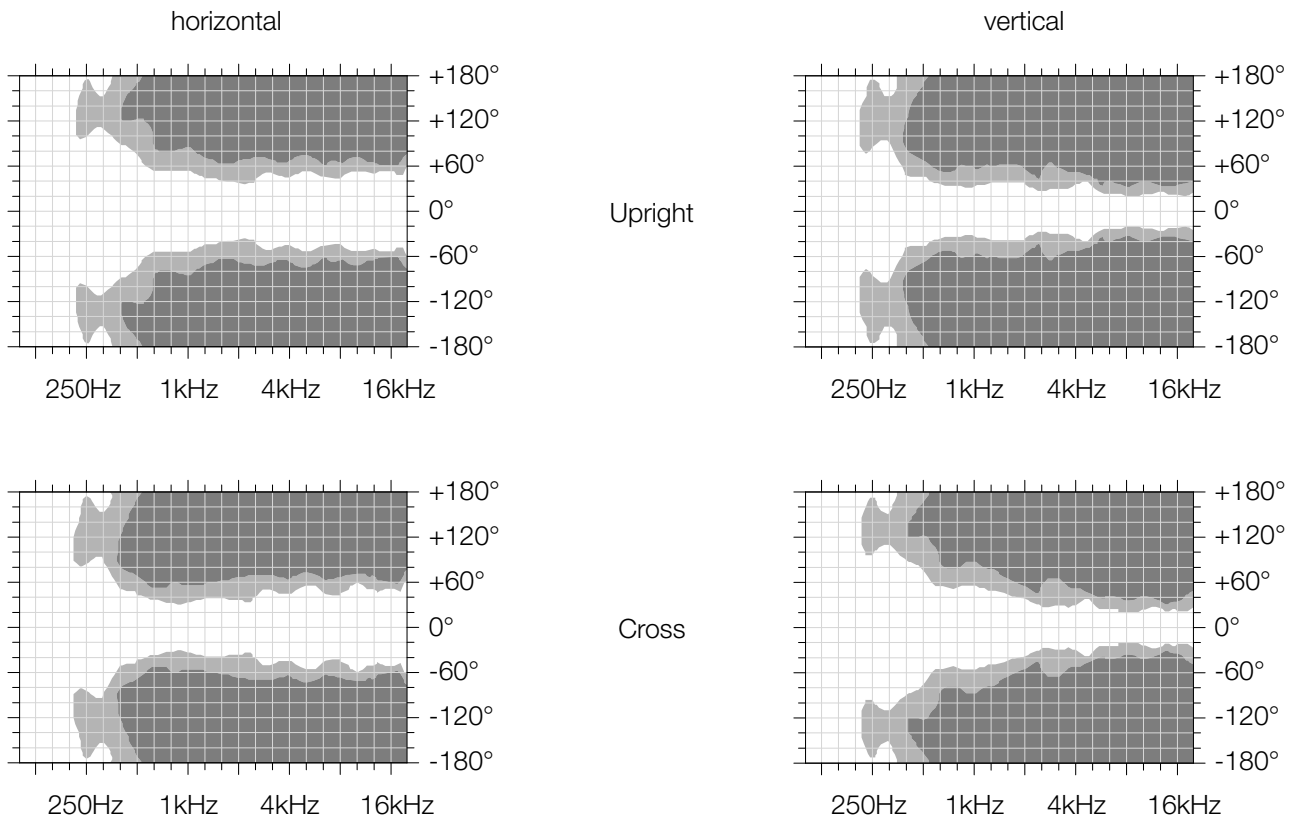
Frequency Response 90° × 50°

FULL mode / CUT mode | IMPEDANCE



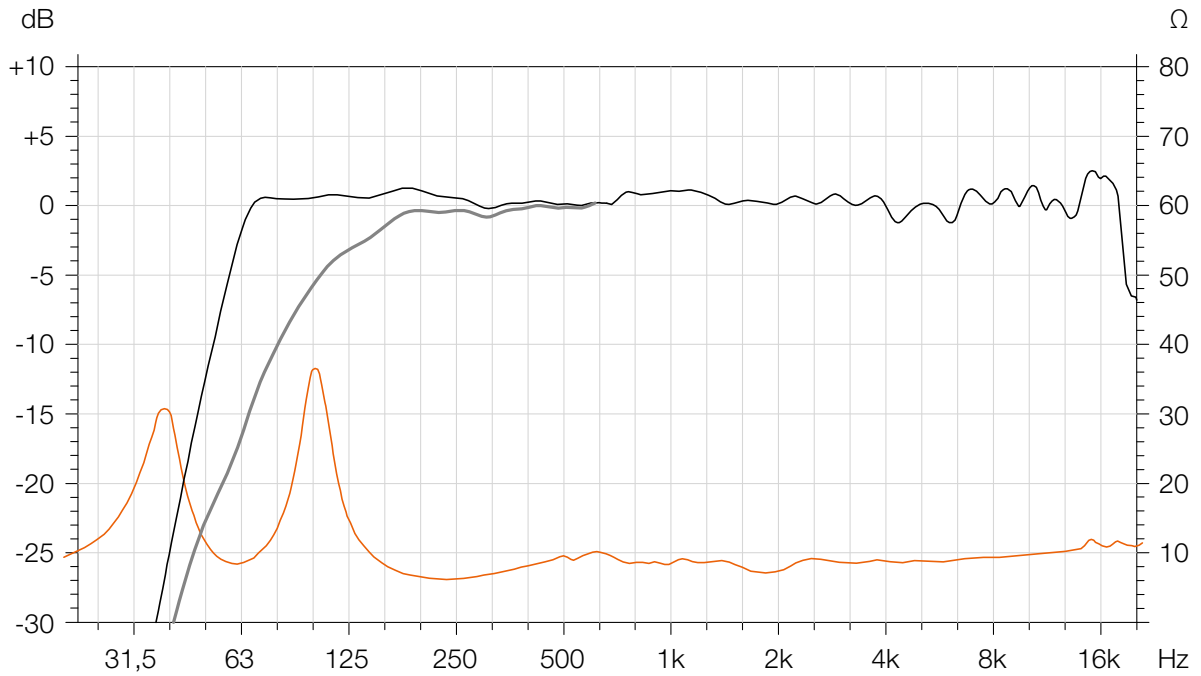
Radiation Pattern 90° × 50°

-6dB | -12dB



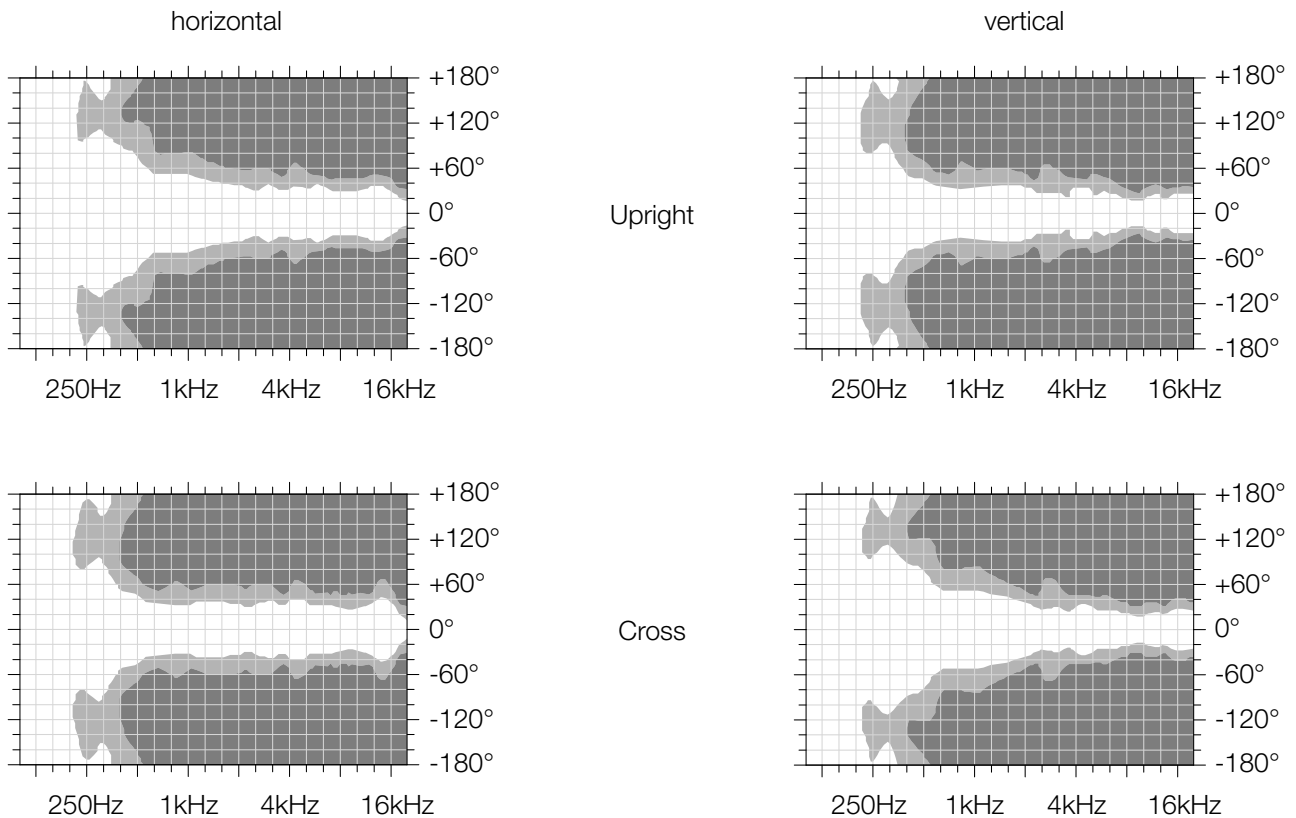
Frequency Response 60° × 40°

FULL mode / **CUT mode** | IMPEDANCE



Radiation Pattern 60° × 40°

-6dB | -12dB



Architect Specifications

The loudspeaker shall consist of a compact installation enclosure with symmetrical driver arrangement driven and protected by a dedicated powered amplified controller. The loudspeaker shall have a 90° x 50° or 60° x 40° rotatable constant directivity HF horn. The loudspeaker shall be possible to install horizontally and vertically with symmetrical dispersion. The loudspeaker shall feature integrated mounting threads for numerous installation possibilities.

The enclosure shall feature two 10" long excursion neodymium HF transducer with one 1.4" compression driver neodymium. The loudspeaker shall have a exchangeable and rotatable grad constant directivity HF horn, 90° x 50° or 60° x 40°.

The usable system bandwidth shall be 60Hz to 18000Hz.

Maximum peak SPL shall be 138dB. The long-term handling capacity shall be 1000W program and 2000W peak. The nominal impedance of the loudspeaker shall be 8Ω.

The enclosure cabinet construction shall consist of first grade birch plywood. The front of the enclosure shall be protected by a perforated, powder-coated steel with flame retardant and hydrophobic, black fabric to the rear. The dimensions shall be 300mm (11.81 in) in width, 600mm (23.62 in) in height and 400mm (15.75 in) in depth and the enclosure weight shall be 24.3kg (53lbs).

The enclosure shall feature eight M10 threads for mounting accessories. The enclosure shall be connected via screw terminal as standard.

The loudspeaker shall be the TWAUDIO T20i.

References

The response curves of the system are available upon request – support@twaudio.com

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