The T20 has been finely honed to meet the high expectations of our customers. A slim, compact top measuring 30 cm (11.8“) wide and comprising two 10“ woofers and a 1.4“ mid-high section, the T20 boasts a symmetrical design that makes it ideal for use both horizontally and vertically. Within the enclosure, a sophisticated driver array and passive crossover mean the T20 achieves constant directivity across both planes.

However, its potential is fully realized when oriented horizontally, perhaps for use as a front or drum-fill. In this configuration, the performance of most two-way enclosures is compromised, but the T20 remains entirely consistent.
Other applications for the T20 include use as a center channel or in installations (see also our T20i for fixed installations) where ceiling height is a challenge.

Should a longer, narrower application be required, the standard 90 × 50 degree high range horn can easily be rotated or changed to a 60 × 40 degree variation - all without the need for tools and within seconds.

Whether working in full-range, standalone mode, with a subwoofer or in conjunction with vertical arrays, the T20 has the power to exceed your expectations in every environment.

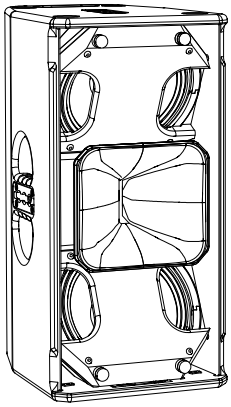
Key Features

- Compact loudspeaker with symmetrical driver arrangement
- Equipped with 2× 10“ long excursion chassis and a 1.4“ compression driver with 3“ diaphragm
- 90 × 50 degree or 60 × 40 degree rotatable constant directivity HF horn
- Usable horizontally and vertically
- Tool-free, fast exchange or rotation of the HF horn
- Coherent phase response with all TWAUDiO subwoofers
- Operation with dedicated TWAUDiO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

Applications

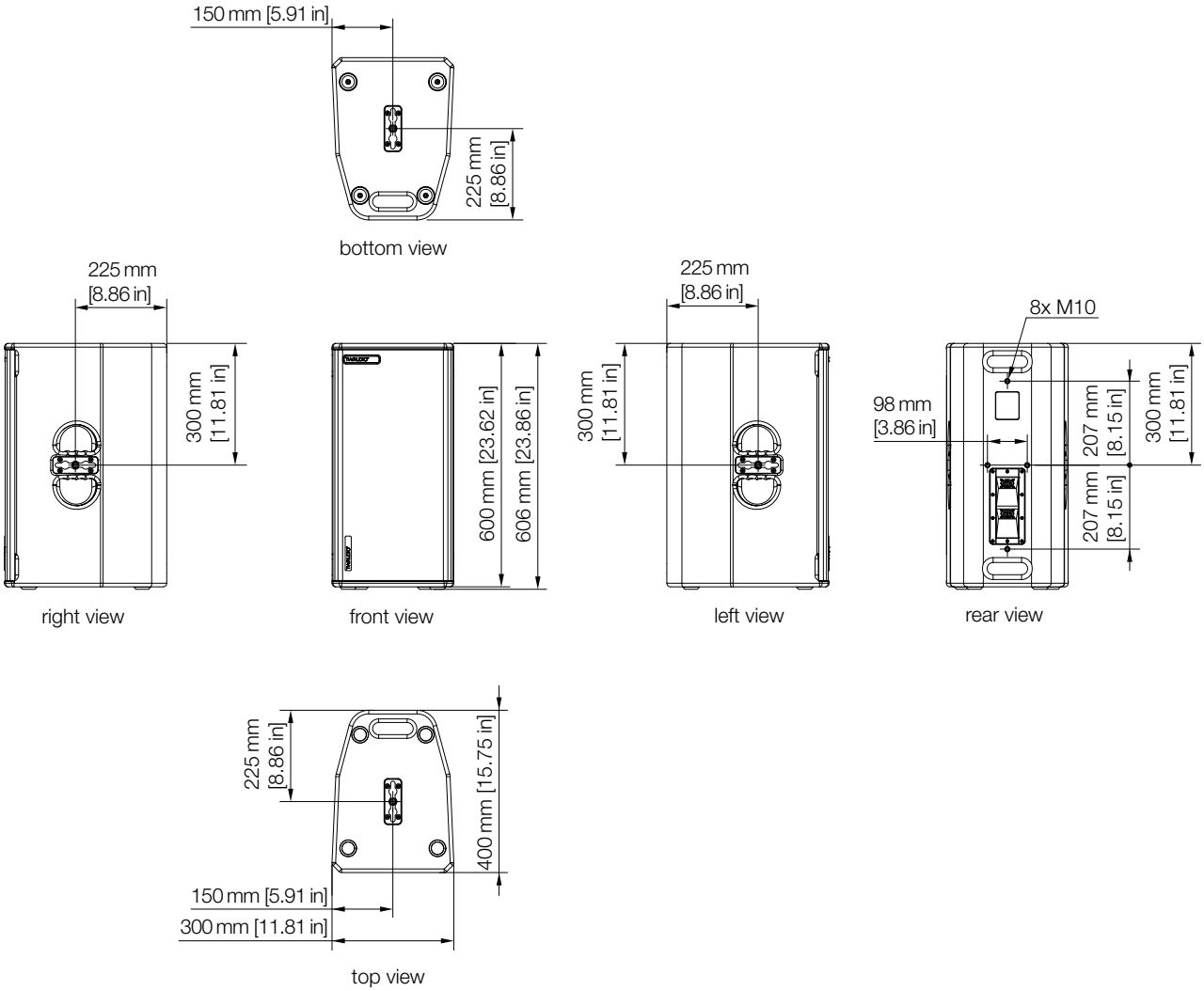
- Galas, events and shows
- Churches, houses of worship, religious places
- Theatres and cultural places
- Bars and restaurants
- Arenas and sports venues
- Concerts and touring

Technical Data



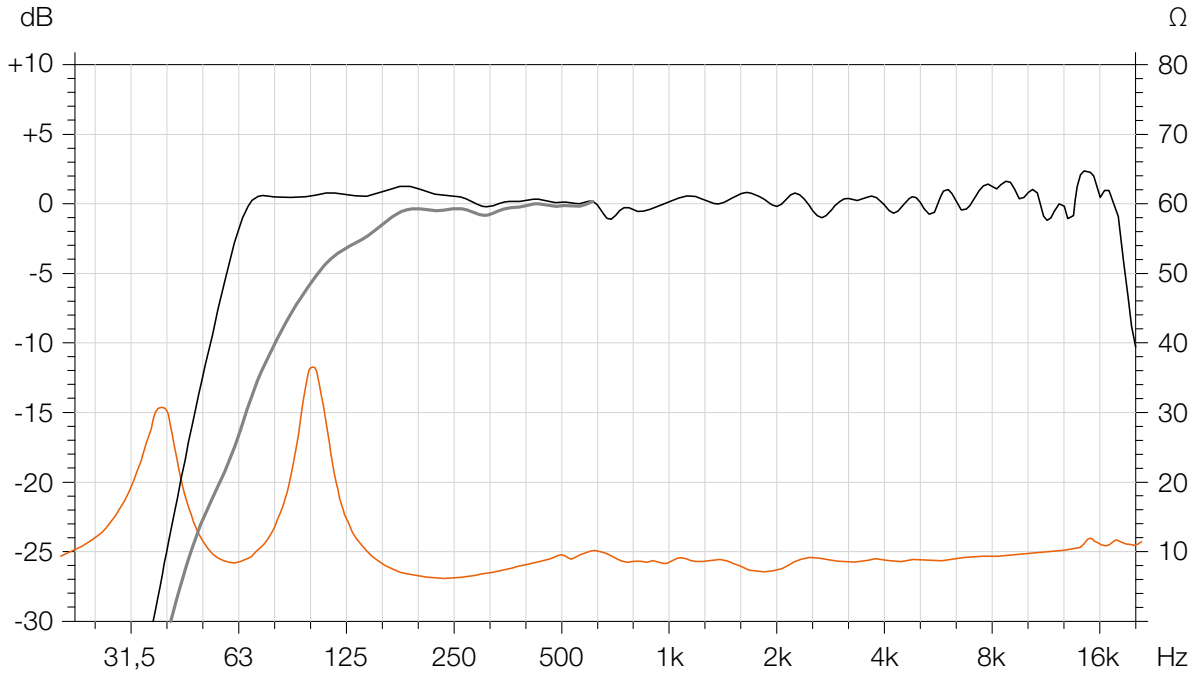
Drivers	2× 10“ LF | 1× 1,4“ HF with 3“ diaphragm
Frequency range	60 - 18000 Hz
Power capacity program / peak	1000 / 2000 W
Impedance	8 Ω
Coverage (h × v)	90° × 50° or 60° × 40° rotatable
Sensitivity 1 W / 1 m	106 dB
SPL max / 1 m	138 dB
Connection	speakON® NL4 1±
Dimensions (H × W × D)	606 × 300 × 400 mm | 23.86 × 11.81 × 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



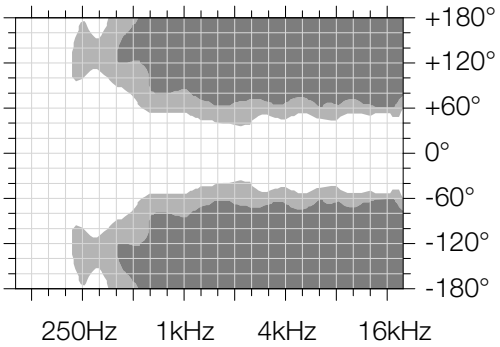
Radiation Pattern 90° × 50°

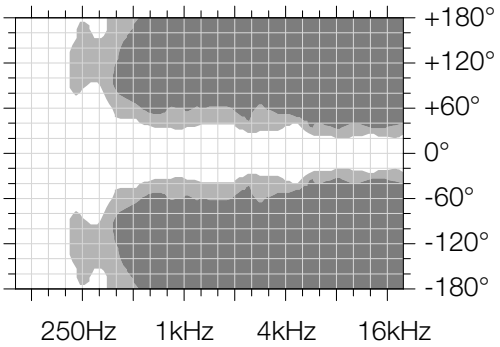
-6 dB | -12 dB

horizontal

vertical

Upright





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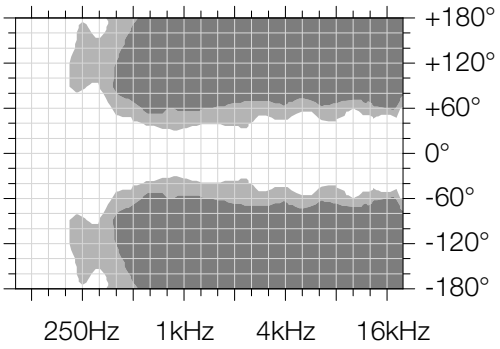
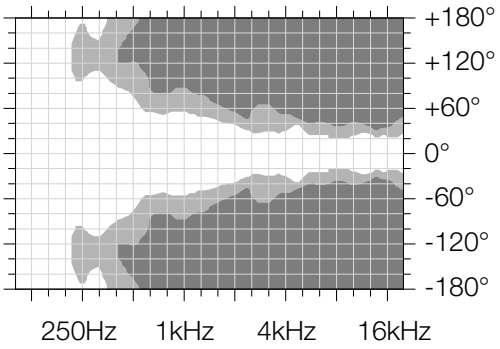
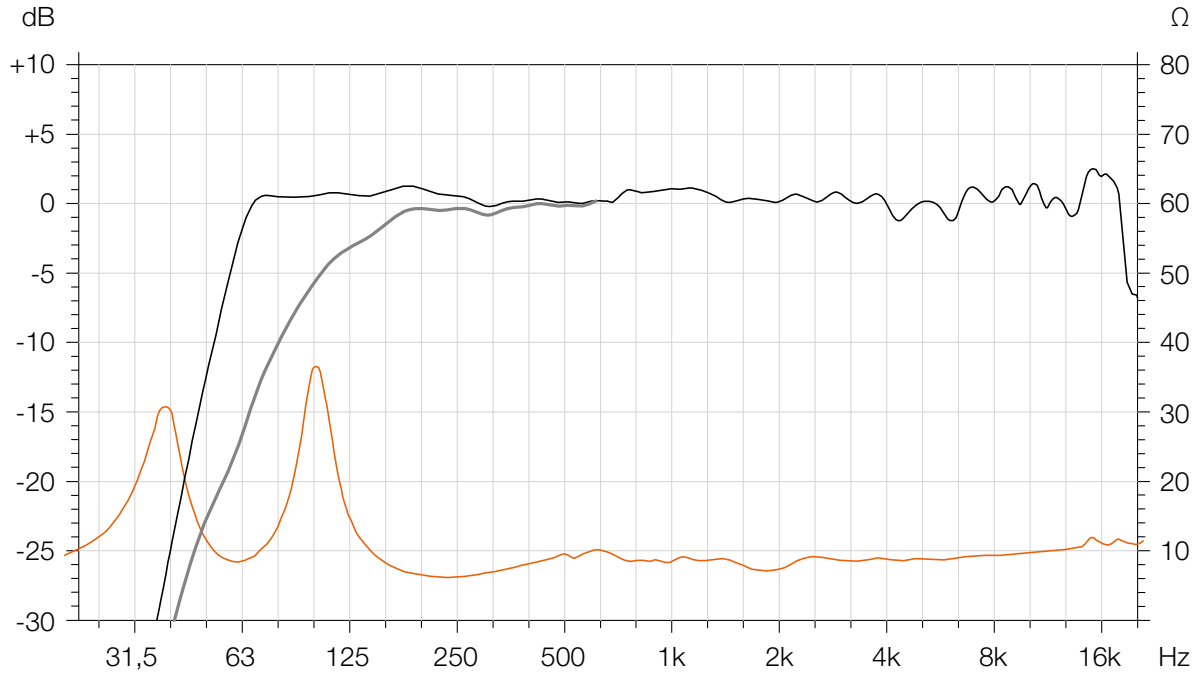




Frequency Response 60° × 40°

FULL mode / **CUT mode** | IMPEDANCE



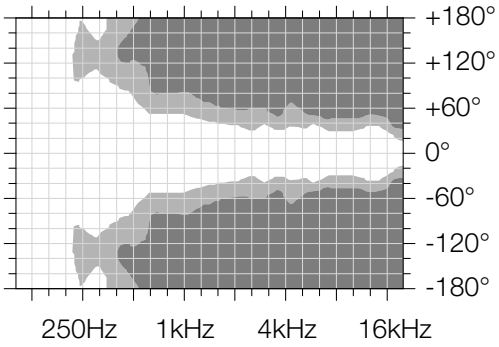
Radiation Pattern 60° × 40°

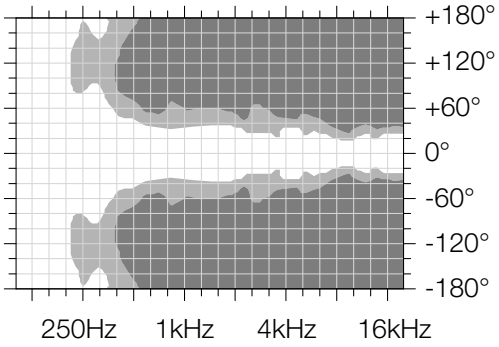
-6 dB | -12 dB

horizontal

vertical

Upright





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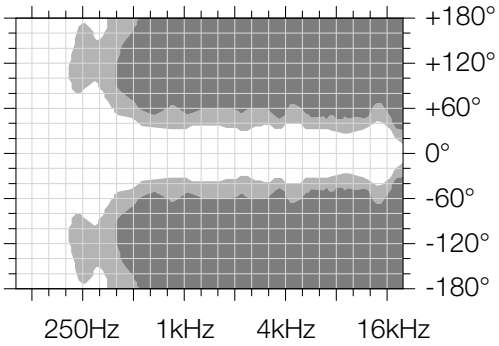

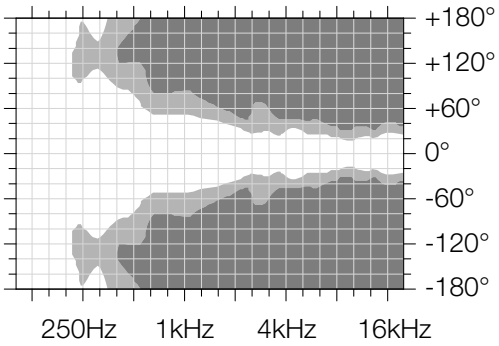

Architect Specifications

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 be possible to install horizontal and vertical with symmetrical dispersion.

The enclosure shall feature two 10“ long excursion neodymium HF transducer with one 1.4“ compression driver neodymium with 3“ diaphragm. 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 60 Hz to 18000 Hz.

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

The enclosure cabinet construction shall first grade birch plywood. The front of the shall be protected by a perforated, powd steel, covered with a flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 300 mm (11.81 in) in width, 606 mm (23.86 in) in height and 400 mm (15.75 in) in depth and the enclosure weight shall be 24.3 kg (53.6 lbs).

The enclosure shall include internal hardware for rigging and be used in conjunction with dedicated rigging accessories. The enclosure shall feature two integrated ergonomic handles, two carrying handles and four stacking rubber feet. The enclosure shall be connected via two parallel 4-pole speakON® sockets.

The loudspeaker shall be the TW AUDiO T20.

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

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IN
GERMANY

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