



Built to the same exacting standard, the C12 and C15 share a strong visual aesthetic and have been designed to seamlessly and discreetly blend into any environment. Straight out of the box, your C-series monitor will operate on a single amplifier channel without the need for additional controllers or EQ.

Identical in cross section, the monitor boasts a low-profile wedge-shaped enclosure containing coaxial chassis with a 12" low frequency woofer and a 1.4" mid-high frequency tweeter with a 3" voice coil. The large mid-high horn ensures perfect mid-high frequency dispersion while its passive frequency crossover produces accurate and phase-coherent summation of low and mid-high frequencies. The low crossover frequency of the mid-high driver is particularly suited to very high quality speech reproduction.

The C12 is ideal for applications where compactness is a priority but audio quality must remain uncompromised.

The C12 also benefits from the added versatility which comes from being able to run in two-way active mode. For flexibility, the C12 can be mounted on a pole, or on surfaces using the specially developed swivel bracket SBC12 which attaches using a latching mechanism, meaning assembly does not require tools or separate, easily lost parts.

No matter whether they are used as monitors or as full range speakers, TWAUDIO's C-series enclosures combine high performance, versatility and full integration with the entire TWAUDIO range.

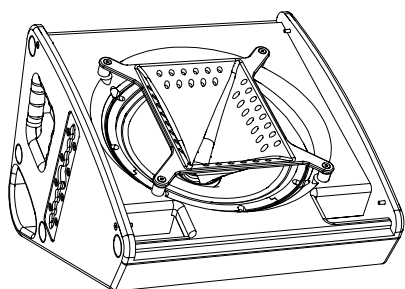
Key Features

- » Low-profile wedge-shaped enclosure with coaxial driver arrangement
- » Usable as monitor (stable grille) or in upright, vertical operation on a stand
- » Switch to select operation mode passive or bi-amp
- » Rotatable HF horn with constant directivity, 55° × 70° or 70° × 55°
- » Coaxial chassis with a 12" LF woofer and a 1.4" mid-high frequency tweeter with 3" voice coil
- » Three SpeakON® sockets
- » Coherent phase response with all TWAUDIO subwoofers
- » Operation with dedicated TWAUDIO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

Applications

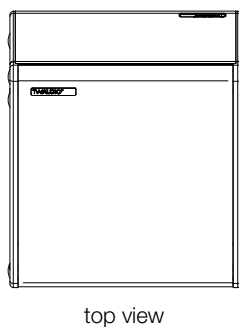
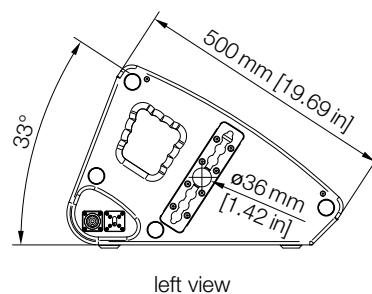
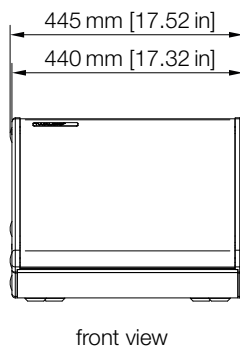
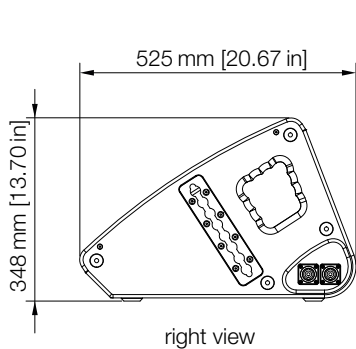
- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts and touring

Technical Data



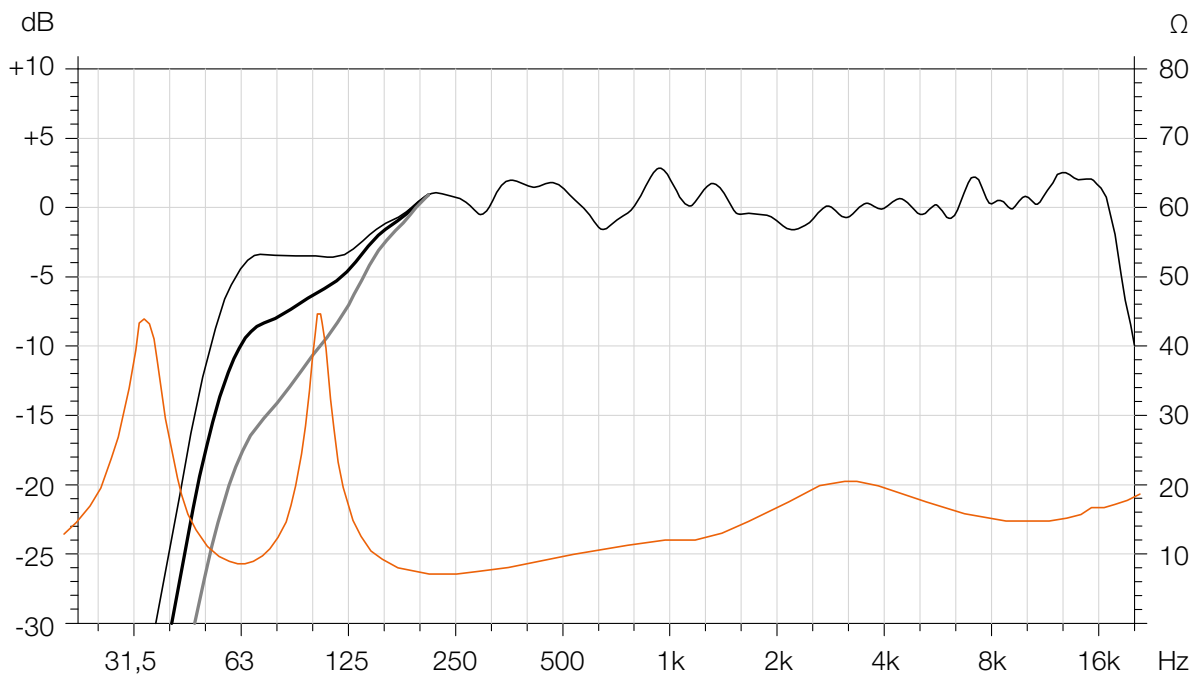
Drivers	1× 12" LF 1× 1,4" HF with 3" diaphragm
Frequency range	62 - 17000 Hz
Power capacity program/peak	passive: 700/1400 W bi-amp: 280/560 W HF, 700/1400 W LF
Impedance	passive: 8 Ω bi-amp: 20 Ω HF / 8 Ω LF
Coverage (h × v)	70° × 55° rotatable
Sensitivity 1 W / 1 m	101 dB
SPLmax / 1 m	132 dB
Connection	speakON® NL4 1± (passive) NL4 1± HF / 2± LF (bi-amp)
Dimensions (H × W × D)	348 × 445 × 500 mm 13.7 × 17.52 × 19.69 in
Weight	19,6 kg 43.2 lbs
Finish	Warnex textured paint (RAL colors optional)
Accessories	see twaudio.com

Technical Drawing



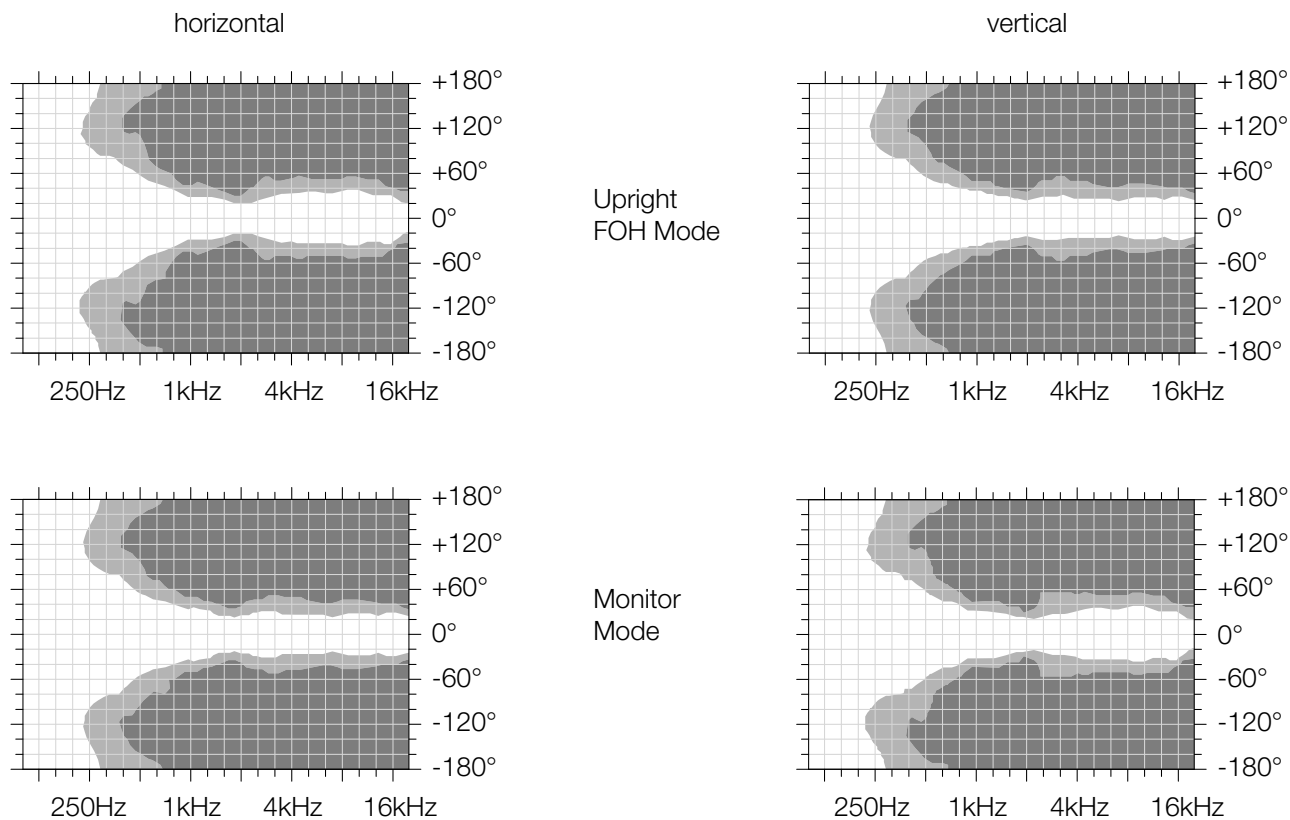
Frequency Response

FULL mode / **FLAT mode** / CUT mode | IMPEDANCE



Radiation Pattern

-6dB | -12dB



Architect Specifications

The loudspeaker shall consist of a low-profile wedge-shaped enclosure with coaxial driver arrangement driven and protected by a dedicated powered amplified controller. The loudspeaker shall be usable in monitor or standing, vertical operation. The loudspeaker shall have a selection switch for switching between operation modes passive and biamp.

The enclosure shall feature one 12" long excursion neodymium HF transducer coaxial to one 1.4" compression driver neodymium with 3" diaphragm. The loudspeaker shall have a rotatable grad constant directivity HF horn, 55° × 70° or 70° × 55° in monitor operation.

The usable system bandwidth shall be 62Hz to 17000Hz.

Maximum peak SPL shall be 132dB. The long-term handling capacity shall be 700W program / 1400W peak passive and 2 TW AUDiO INTERNATIONAL GmbH 560W peak HF and 700W program / 1 biamp. The nominal impedance of the 71636 Ludwigsburg (Germany) shall be 8Ω passive and 20ΩHF / 8Ω LF biamp.

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, covered with a flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 445mm (17.52in) in width, 348mm (13.70in) in height and 525mm (20.67in) in depth and the enclosure weight shall be 19.6kg (43.2lbs).

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

The loudspeaker shall be the TWAUDIÖ C12.

References

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

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