

The M12 dispenses with extended bass reproduction, instead of placing special emphasis on enhanced mid-high performance.

It offers extraordinary increased efficiency from a compact enclosure with precise dispersion and impulse behavior with lowest possible distortion.

The M12 is eminently suitable for use as a high performance front fill or near fill, as a compact delay line loudspeaker or stage monitor, and especially as a 12" top in a two-way active setup with our B18 and B30 subwoofers in our PA-SYS-TWO.

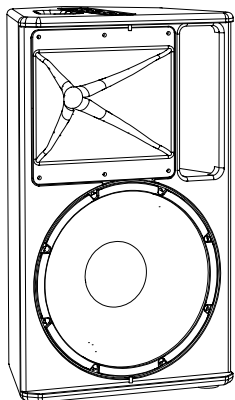
Key Features

- » Integrated pole mount flange as well as integrated rigging tracks on three sides
- » Equipped with one 12" long excursion chassis and a 1,4" compression driver with 3" diaphragm
- » 75 × 50 degree rotatable constant directivity HF horn
- » Vertical and horizontal operation possible
- » Right and left enclosure version
- » Coherent phase response with all TWAUDIO subwoofers
- » Operation with dedicated TWAUDIO presets on Lab.gruppen, Powersoft or Dynacord TGX and IPX amplifiers

Applications

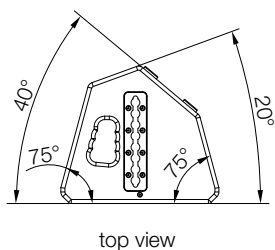
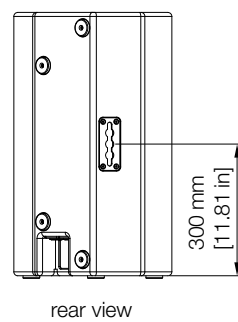
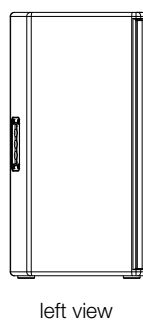
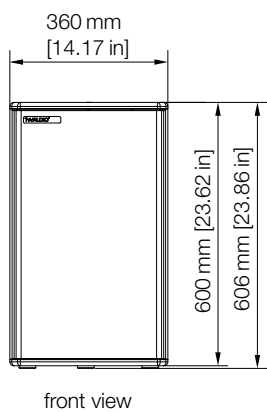
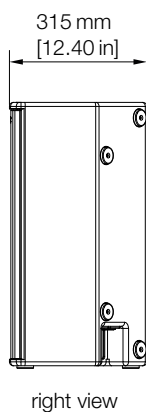
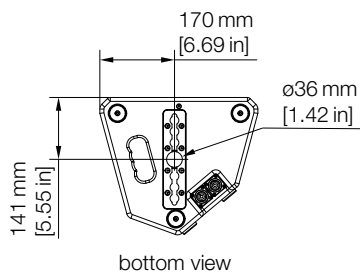
- » Galas, events and shows
- » Churches, houses of worship, religious places
- » Theatres and cultural places
- » Bars and restaurants
- » Arenas and sports venues
- » Concerts and touring

Technical Data



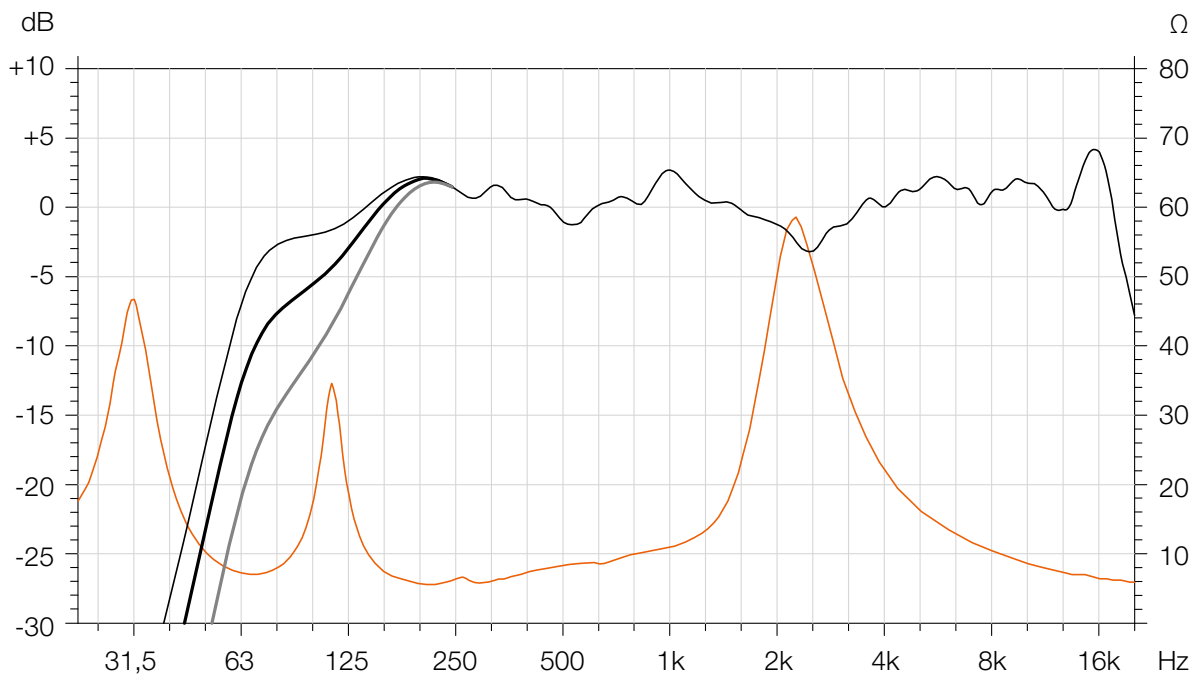
Drivers	1x 12" LF 1x 1,4" HF with 3" diaphragm
Frequency range	60 - 19000Hz
Power capacity program/peak	700/1400W
Impedance	8 Ω
Coverage (h x v)	75° x 50° rotatable
Sensitivity 1 W / 1 m	101 dB
SPLmax / 1 m	132 dB
Connection	speakON® NL4 1±
Dimensions (H x W x D)	606 x 360 x 315 mm 23.86 x 14.17 x 12.4 in
Weight	20.2 kg 44.5 lbs
Finish	Warnex textured paint (RAL colors optional)
Accessories	see twaudio.com

Technical Drawing



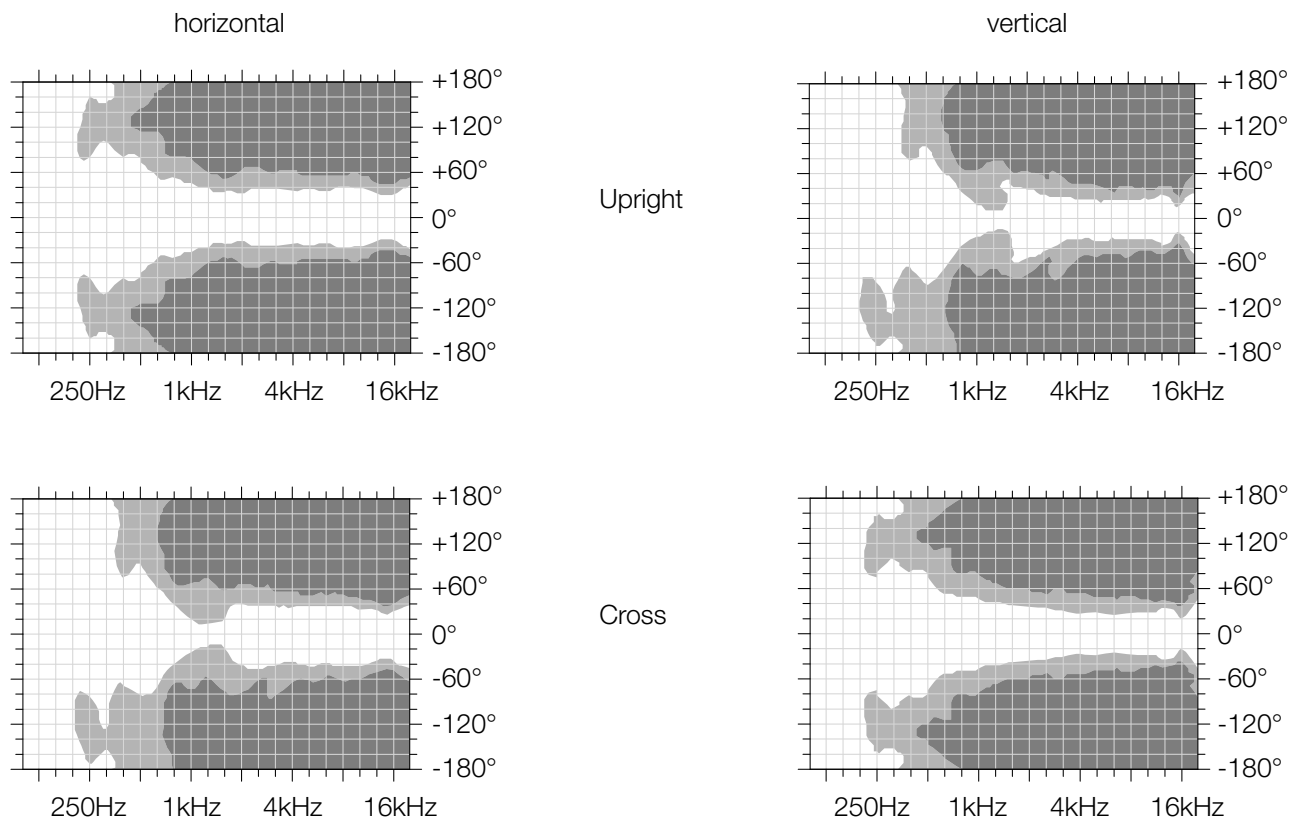
Frequency Response

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



Radiation Pattern

-6 dB | -12 dB



Architect Specifications

The loudspeaker shall consist of a point source multifunctional enclosure driven and protected by a dedicated powered amplified controller. The loudspeaker shall be possible to operate horizontally and vertically. The loudspeaker shall be available in an right and left enclosure variant.

The enclosure shall feature one 12" long excursion neodymium HF transducer with one 1,4" compression driver neodymium with 3" diaphragm. The loudspeaker shall have a rotatable grad constant directivity HF horn, 75° × 50° or 50° × 75°.

The usable system bandwidth shall be 60Hz to 19000Hz.

Maximum peak SPL shall be 132dB. The long-term handling capacity shall be 700W program and 1400W 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, covered with a flame retardant, hydrophobic and acoustically transparent black 3D mesh fabric. The dimensions shall be 360mm (14.17in) in width, 606mm (22.86in) in height and 314mm (12.36in) in depth and the enclosure weight shall be 20.2kg (44.5lbs).

The enclosure shall include internal hardware for rigging and be used in conjunction with dedicated rigging accessories. The enclosure shall have one cabinet flange to attach it on a distance rod. The enclosure shall feature two integrated handles and seven stacking rubber feet. The enclosure shall be connected via two parallel 4-pole speakON® sockets.

The loudspeaker shall be the TWAUDIO M12.

References

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

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