

FO 15

Article number: (black) 1008001, (white/RAL*) 1008093

With its 15" woofer with 2.5" voice coil, the FO 15 offers the fullest bass foundation and is the most powerful speaker in the FINEO product family without compromising on flexibility.

The constant-directivity horn with powerful 1" compression driver is well-known from the CONTOUR X series developed for everyday touring. With a dispersion angle of 80° x 60° and the ability to rotate 90°, the speaker can be operated upright, lying on its side or suspended on its side for optimum dispersion.

The FO 15 is particularly effective in larger rooms or in applications requiring high sound pressure levels, offering crystal-clear, assertive sound with a solid bass foundation in full-range applications for all types of speech and music. Combined with the S118 or S218 subwoofers, the result is a system with a powerful midrange and bass for use as the main sound system for music and karaoke, in clubs or in sports venues.

Features:

- Compact, passive 2-way speaker
- Support for Lab.Gruppen IPX and LEA Professional with DSP Presets and other DSP platforms with Filter Sheets in open table format
- Rotatable, BEM-optimized constant-directivity HF of the latest generation from the CONTOUR X family
- All-new passive crossovers with self-healing HF protection circuit for maximum operational reliability in fixed installations
- Swivel and tilt wall bracket allows space-saving and visually appealing installation with precise alignment options at the same time
- Matching U-brackets allow for flown installation on ceilings, with the brackets allowing for precise angle adjustments
- Hole pattern on the back in the internationally standardised VESA format for attaching additional mounting accessories required for the particular application
- An external 35 mm stand flange can be attached so that the new FINEO speakers can be fitted to existing installations with appropriate wall brackets
- Extremely solid enclosure in acoustically beneficial MDF and foam-backed grille with additional steel reinforcements
- Standard design with 2 lockable Neutrik Speakon sockets
- Strongly constructed internal steel braces and mountings for the rigging and fixing points as standard, guaranteeing a secure fixed installation in compliance with strict German and European standards
- Simulation data for EASE and EASE FOCUS for predicting sound distribution and speech intelligibility as planning support for larger projects
- Certified ball-impact resistant in line with DIN 18032-3



Characteristics

Concept	Passive 2-way mid/high unit
Cabinet principle	Bass reflex
Power handling RMS	500 W
Power handling program	1000 W
Power handling peak	2000 W
Nominal impedance ¹⁾	8 ohms
Max. SPL average ²⁾	122 dB
Max. SPL peak ³⁾	126 dB
Sensitivity 1 W/1 m ⁴⁾	95 dB
Crossover frequency	2.4 kHz
Frequency range -6 dB	64 Hz - 20 kHz
Frequency range -10 dB	61 Hz - 20 kHz
Dispersion angle -6 dB (horizontal x vertical)	80° x 60°

Certifications

Ball impact resistance (DIN 18032-3)	certified (MPA University Stuttgart)
IP protection class (EN 60529)	not specified

Components

Low-/mid frequency	1x 15" Sica cone speaker with ferrite magnet and 2.5" voice coil
High frequency	1 x 1" Sica compression driver with ferrite magnet and 1" voice coil
Crossover	High pass: 18 dB/octave, low pass: 12 dB/octave
High frequency protection circuit	Self-healing PTC fuse
Horn	BEM-optimized constant directivity horn, rotatable

Connections

Input	1 x NL4 Speakon
Output/parallel output	1 x NL4 Speakon
Pin assignment	1+/- (input/parallel output), 2+/- (wired through)

Amping/DSP Presets

Lab.Gruppen	IPX
LEA Professional	Sharkware

Amping/Filter Sheets

Filter specifications in tabular form for frequency response equalization without limiter specifications	Biamp Tesira, BSS, Lab.gruppen, Lake, Linea Research, Marani, Powersoft, QSC Q-SYS, Symetrix
--	--

Mechanical data

Mounting points	2 x M8 lateral, 2 x M8 bottom/lid, 1 x M8 rear, 4 x M6 rear
Cabinet material	MDF
Cabinet surface	1-component acrylic enamel
Color	Jet black (RAL 9005), signal white (RAL 9003) or special color according to catalog
Front grille	Steel front grille with anticorrosive coating, backed acoustic foam and additional steel reinforcements
Optional accessories	U-bracket, screw-on flange SF-35, swivel and tilt wall mount (size L for VESA MIS-E, 200 x 200 mm)
Dimensions (W x H x D)	426 x 651 x 425 mm 16.77 x 25.63 x 16.73 inch
Weight	23.5 kg / 51.81 lbs



Declaration of conformity

Konformitätserklärung

This is to certify that

HK AUDIO FINEO

FO 5 • FO 6 • FO 10 • FO 12 • FO 15 • FO 512 • FO 512 F • FO 518 • FO 518 F • FO 5218 •

comply with the provisions of the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS).

This declaration of conformity of the European Union is the result of an examination carried out by the Quality Assurance Department of STAMER MUSIKANLAGEN GmbH in accordance with European Standards EN IEC 63000:2018 for RoHS.



Stamer Musikanlagen GmbH
Magdeburger Str. 8, 66606 St. Wendel, Germany

L. Stamer

Lothar Stamer, Dipl. Ing.
Managing Director
St. Wendel, 24/08/2023

Für die nachfolgend bezeichneten Erzeugnisse

HK AUDIO FINEO

FO 5 • FO 6 • FO 10 • FO 12 • FO 15 • FO 512 • FO 512 F • FO 518 • FO 518 F • FO 5218 •

wird hiermit bestätigt, dass sie den wesentlichen Schutzanforderungen entsprechen, die in der Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten (RoHS) festgelegt sind.

Diese Erklärung gilt für alle Exemplare und bestätigt die Ergebnisse der Messungen, die durch die Qualitätssicherung der STAMER MUSIKANLAGEN GmbH durchgeführt wurden.

Zur Beurteilung der Einhaltung der RoHS-Richtlinie wurde folgende Norm herangezogen: EN IEC 63000:2018.



Stamer Musikanlagen GmbH
Magdeburger Str. 8, 66606 St. Wendel, Deutschland

L. Stamer

Lothar Stamer, Dipl. Ing.
Managing Director
St. Wendel, 24.08.2023

Materialprüfungsanstalt
Universität Stuttgart
Postfach 101551, 70509 Stuttgart

MPA Materialprüfungsanstalt
Universität Stuttgart



Prüfungsbericht

Prüfung der Ballstoßsicherheit

Bezeichnung: 924 1802 0005
Auftraggeber: Stamer Musikanlagen GmbH
Tischstraße 3
10000 St. Wendel
Adresse (Kunde):
Auftrag-Nr. (MPA): 8041 882 000 / 8gsm
Prüfgegenstand: Lautsprecher FINEO FO 15 (100889) mit Bügel (1008200-01)

Prüfverfahren mit Auswertung: [1] DIN 18032-3:2016-11
Spezialanwendung: Haken für Türen und Türen und
Mehrfachverwendung: Teil 3: Prüfung der Ballstoßsicherheit

Eingangsdatum des Prüfgegenstandes: 25.04.2023
Datum der Prüfung: 25.04.2023
Datum des Berichts: 08.05.2023
Seite 1 von 3
Belegart: 3
Anlagen: 0
Gesamtanzahl: 6
Anzahl der Auswertungen:

Die Prüfergebnisse betreffen sich ausschließlich auf die Prüfgegenstände.
Verfahren: Prüfung der Ballstoßsicherheit nach DIN 18032-3:2016-11, Teil 3: Prüfung der Ballstoßsicherheit.
Beauftragter: Stamer Musikanlagen GmbH, Postfach 101551, 70509 Stuttgart.
Prüfverfahren: Ballstoßprüfung nach DIN 18032-3:2016-11, Teil 3: Prüfung der Ballstoßsicherheit.

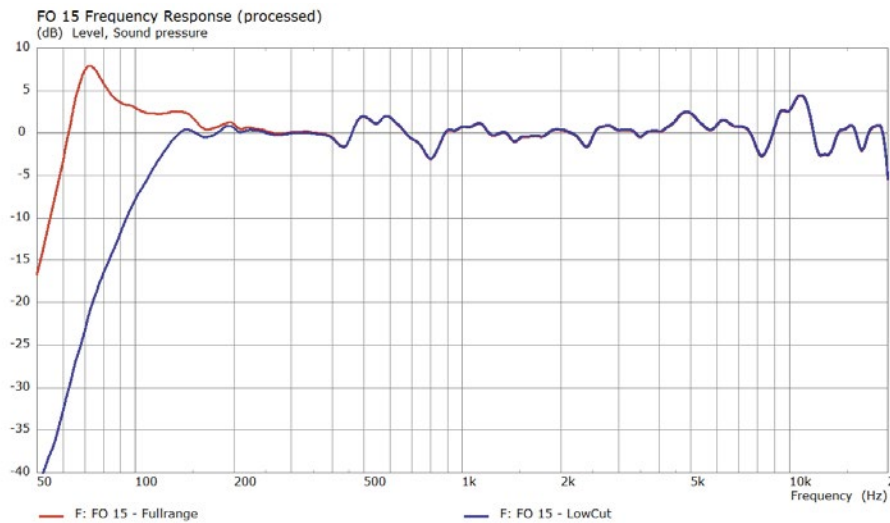
1) According to EN 60268-5 (minimum value not less than 80% of nominal value)

2) 1 m, 10 % THD @ 80 Hz - 20 kHz, (EN 60268-21), full space

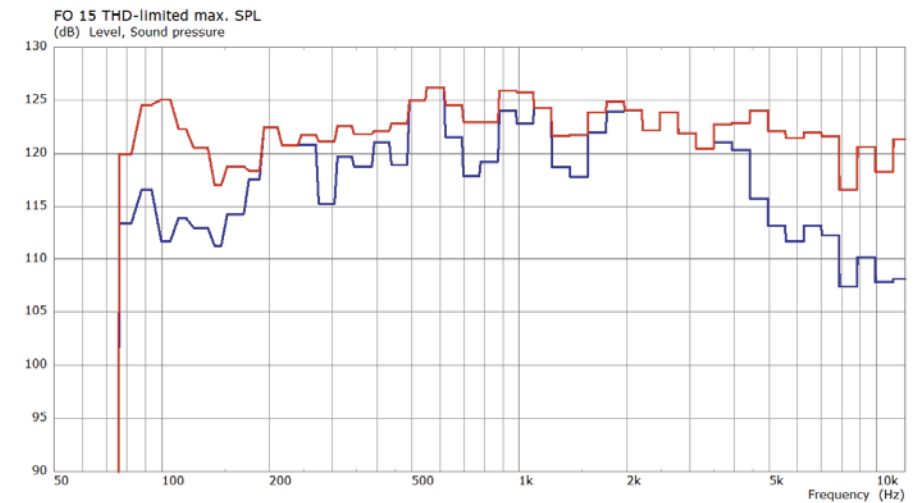
3) 1 m, 10 % THD @ 580 Hz, full space

4) 80 Hz - 20 kHz, full space

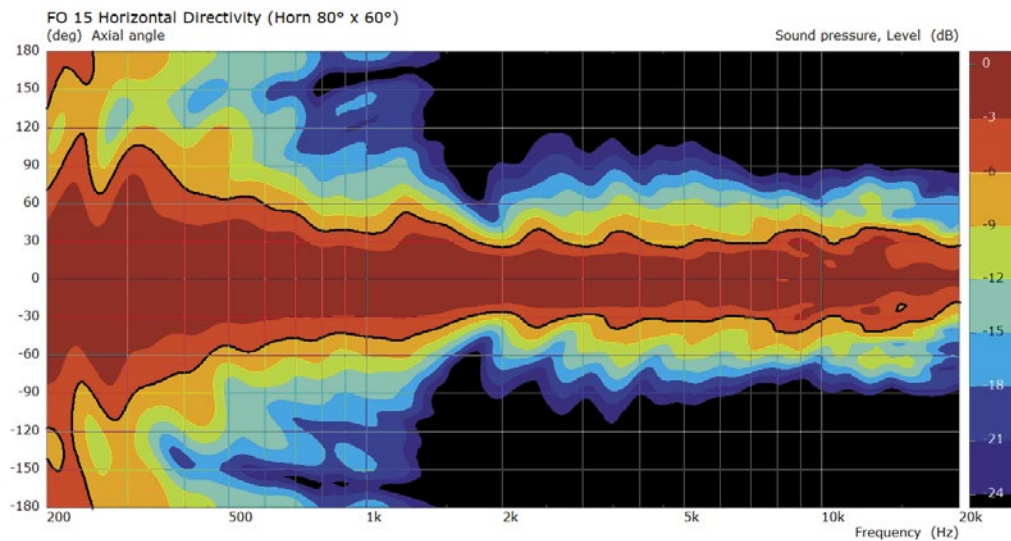
FO 15 Acoustic measurements



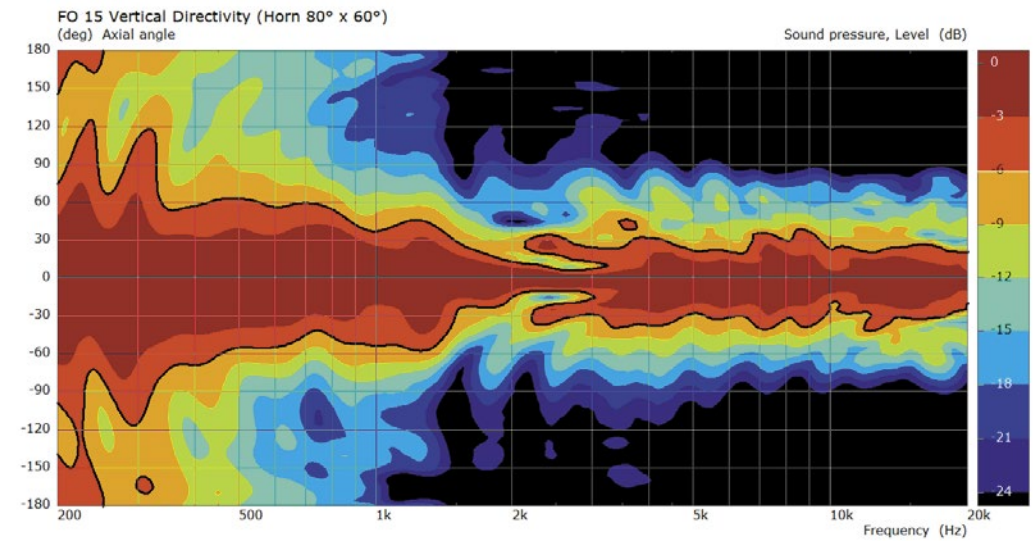
Frequency response with DSP preset (red = full range, blue = high pass)



Max. SPL (blue = 3 % THD, red = 10 % THD)



Horizontal directivity



Vertical directivity

Accessories

Swivel and tilt wall mount L (VESA MIS-D)

Article number: (black) 1008079, (white/RAL*) 1008080

Swivel and tilt bracket for mounting a speaker on a wall. Continuous horizontal rotation and vertical tilt in 10° increments from 0° to 30°. Mounted using the VESA hole pattern (MIS-E) on the back of the speaker.



U-bracket

Article number: (black) 1008030, (white/RAL*) 1008103

FO 15 U-bracket made of high-strength powder-coated steel for fixed installation of an FO 15. Simple installation on the top and bottom of the cabinet by hanging it into hook openings. Adjustable tilt in 10° increments. Ball-impact resistance certificate in line with DIN 18032-3.



SF-35

Article number: (black) 1008137, (white/RAL*) 1008138

External 35 mm flange for use on a standard 35 mm speaker stand. Simple screw connection to the underside of the speaker. Easy-to-use locking screw to lock the speaker to the stand without tools.



AP-8

Article number: 1007376 AP8 black, single, 1007375 AP8 white/RAL, single
1990192 AP8 black, Set of three, 1990193 AP8 white/RAL, Set of three
1990194 AP8 black, Set of four, 1990195 AP8 white/RAL, Set of four

Attachment points with unscrewing protection for mounting on a ceiling or crossbeam. Simple attachment to the M8 mounting threads. Available in sets of 3 or 4 AP-8s as well as individually.



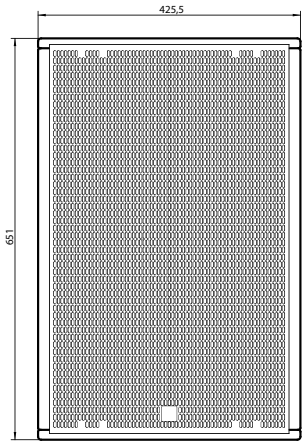
HK Audio BWH-1

Article number: (black) 1006109 Only available in black!

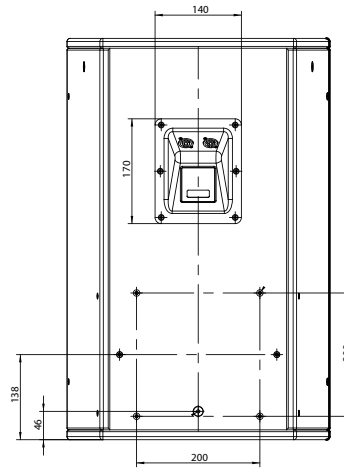
Wall bracket with adjustable 30 cm arm and backstop for mounting a speaker on a wall. This allows for flexible speaker placement on the wall bracket. The arm can be rotated up to 120° and tilted 45°.



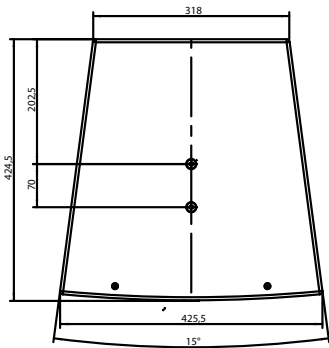
FRONT VIEW



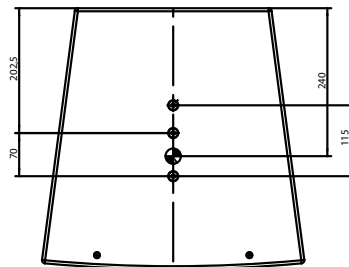
REAR VIEW



TOP VIEW



BOTTOM VIEW



HK Audio
Postfach 1509
6595 St. Wendel, Germany

info@hkaudio.com
fax +49-68 51-905 215
www.hkaudio.com
D-3278