

FO 8

Article number: 1007998 (black), 1008090 (white/RAL*)

The compact FINEO FO 8 is designed as a passive 2-way system and has a modern, ultra-slim and space-saving trapezoidal cabinet. With its 8" cone speaker with 1.75" voice coil, the FO 8 provides a solid foundation for speech or near-field sound reinforcement and balanced mids in combination with the S112, S118 or S218 subwoofers.

The BEM-optimized constant directivity horn with the powerful 1" compression driver, which is well-known from the CONTOUR X series, specially developed for the rough and tumble of touring, has a dispersion angle of 80° x 60° and thus delivers a large sound area without causing excessive acoustic excitation on the walls or ceilings.

The horn can be rotated, meaning that the FO 8 can be used upright, on its side or with altered horizontal and vertical dispersion. The compact speaker can therefore always be positioned optimally, even in small or architecturally complex rooms.

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 enclosures in acoustically beneficial MDF and foam-backed grille with additional steel reinforcements
- Standard design with 2 lockable Neutrik Speakon sockets
- 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



FO 8 Technical data



Characteristics

Concept	Passive 2-way mid/high unit
Cabinet principle	Bass reflex
Power handling RMS	200 W
Power handling program	400 W
Power handling peak	800 W
Nominal impedance ¹⁾	8 ohms
Max. SPL average ²⁾	116 dB
Max. SPL peak ³⁾	119 dB
Sensitivity 1 W/1 m ⁴⁾	91 dB
Crossover frequency	3.2 kHz
Frequency range -6 dB	72 Hz - 20 kHz
Frequency range -10 dB	69 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 8" Sica cone speaker with ferrite magnet and 1.75" voice coil
High frequency	1 x 1" Celestion silk dome tweeter with neodymium magnet and 1" voice coil
Crossover	High pass: 18 dB/octave, low pass: 18 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
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Mechanical data

Mounting points	2 x M8 lateral, 2 x M8 bottom/lid, 1 x M8 rear, 4 x M4 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
Optional accessories	U-bracket, screw-on flange SF-35, swivel and tilt wall mount (size S for VESA MIS-D, 100 x 100 mm)
Dimensions (W x H x D)	263 x 474 x 263 mm 10.35 x 18.66 x 10.35 inch
Weight	11 kg / 24.25 lbs



HK AUDIO

Declaration of conformity

Konformitätserklärung

This is to certify that **HK AUDIO/FINEO** **FO 5 + FO 8 + FO 10 + FO 12 + FO 15 + FO 512F + FO 512F + FO 518 + FO 518 F + FO 518 + FO 518 F** 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



Stamer Musikanlagen GmbH
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L. Stamer
Lothar Stamer, Dipl.-Ing.
Managing Director
St. Wendel, 24.08.2023

Für die nachfolgend bezeichneten Erzeugnisse **HK AUDIO/FINEO** **FO 5 + FO 8 + FO 10 + FO 12 + FO 15 + FO 512F + FO 512F + FO 518 + FO 518 F + FO 518 + FO 518 F** wird hiermit bestätigt, dass die 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 Qualitätsabteilung der STAMER MUSIKANLAGEN GmbH durchgeführt wurden.

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

Materialprüfungsanstalt
Universität Stuttgart
Postfach 80140 - 70511 Stuttgart



MPA
Materialprüfungsanstalt
der Universität Stuttgart



DAKKS
Deutscher
Akkreditationsrat
DIN EN ISO/IEC 17025
01-10-2018/01

Prüfungsbericht

Prüfung der Ballwurfkerheit

Berichts-Nr.:	904 1852 000/2
Auftraggeber:	Stamer Musikanlagen GmbH Tritschnerstraße 3 66606 St. Wendel
Aufgabe-Nr. (Kunde):	-
Auftrags-Nr. (MPA):	9041 862 000 / Sgm
Prüfgegenstand:	Lautsprecher FINEO FO 8 (1007998) mit Bügel (1008027)

Prüfbedingungen mit Anmerkungen

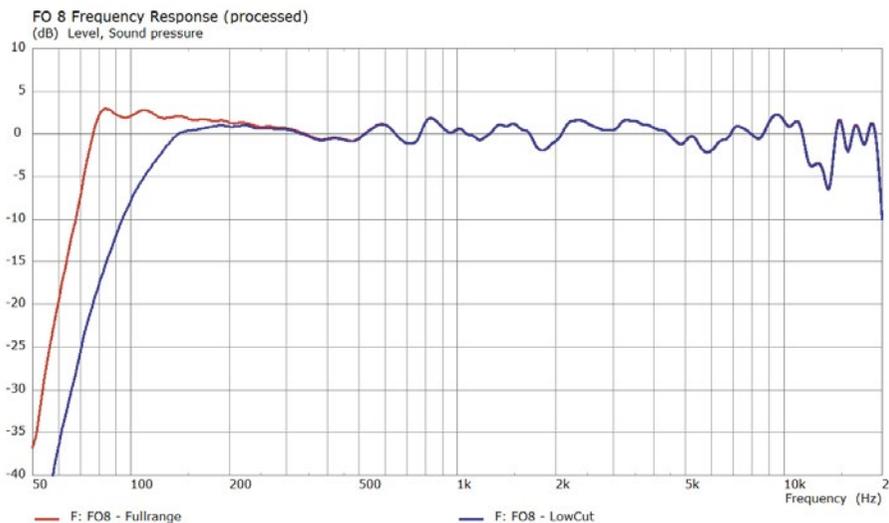
[1]	DIN 18032-3:2016-11 Sporthallen - Hallen für Turnen und Spielen und Mehrzwecknutzung - Teil 3: Prüfung der Ballwurfkerheit
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Eingangstermin des Prüfgegenstandes:	29.11.2022
Datum der Prüfung:	29.11.2022
Datum des Berichts:	19.12.2022
Seite 1 von:	3 Textseiten
Beilagen:	3
Anlagen:	0
Gesamtseitenzahl:	6
Anzahl der Ausfertigungen:	

Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgegenstände.
Verpflichtung der Auftraggeber (Kunde) zum Schutz der Privatsphäre der Auftraggeber ist durch die Prüfung der MPA, die eine gültige Zulassung besitzt, erfüllt.

- 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 @ 3.3 kHz, full space
- 4) 80 Hz - 20 kHz, full space

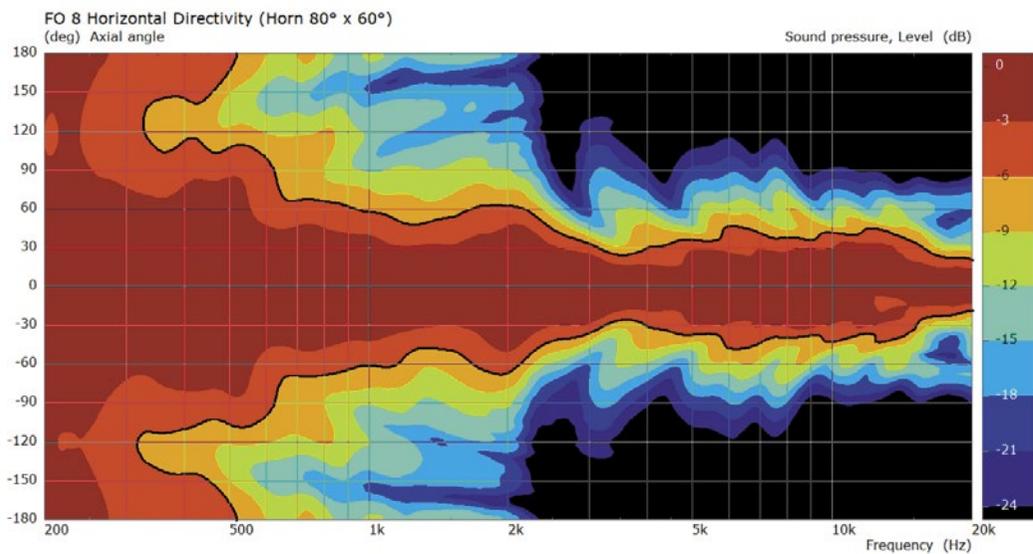
FO 8 Acoustic measurements



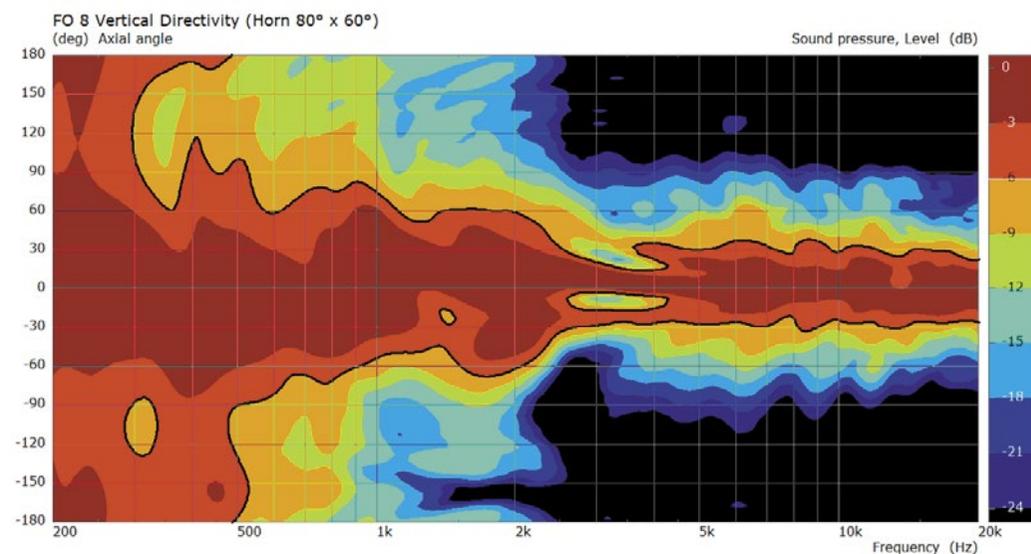
Frequency response with DSP preset (red = full range, blue = high pass)



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



Horizontal directivity



Vertical directivity

Accessories

U-bracket

Article number: (black) 1008027, (white/RAL*) 1008100

FO 8 U-bracket made of high-strength powder-coated steel for fixed installation of an FO 8. Simple installation on the top and bottom of the cabinet by hanging it into hook openings. Adjustable tilt in 15° increments. Ball-impact resistance certificate in line with DIN 18032-3.



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

Article number: (black) 1008077, (white/RAL*) 1008078

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-D) on the back of the speaker.



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.



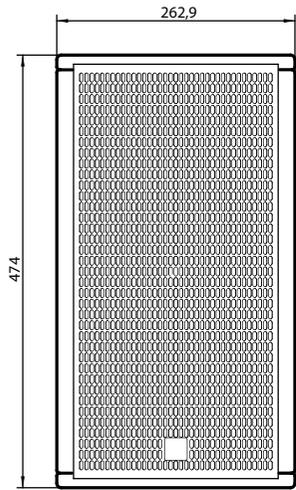
HK Audio BWH-1

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

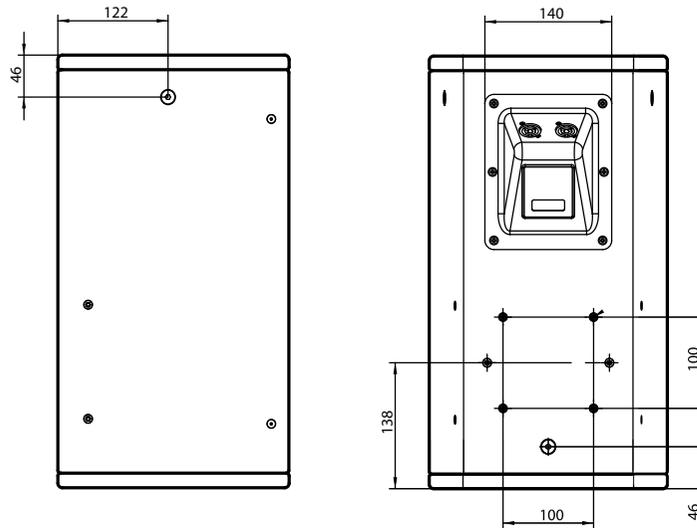
Wall bracket with adjustable 30 cm arm and backstop for mounting a speaker on a wall. This allows for flexible speaker placement on the wall bracket. The arm can be rotated up to 120° and tilted 45°.



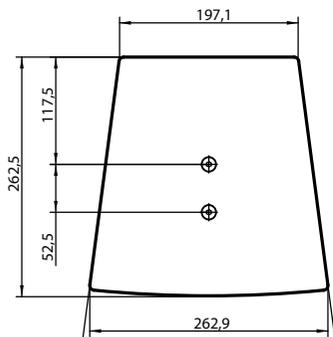
FRONT VIEW



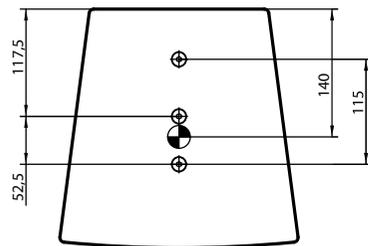
REAR VIEW



TOP VIEW



BOTTOM VIEW



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