

# **FO** 12

Article number: (black) 1008000, (white/RAL\*) 1008092

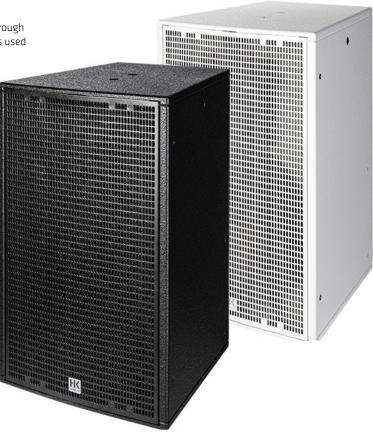
In this newly fine-tuned speaker system, the proven standard format with a 12" low-frequency woofer and a high-resolution 1" high-frequency driver, provides the ideal compromise between achievable sound pressure and low colouration in the reproduction of all types of music and speech.

The BEM-optimized constant directivity horn with the powerful 1" compression driver comes from the CONTOUR X series, which was developed for the rough and tumble of touring. With a dispersion angle of 80° x 60° and the ability to rotate 90°, it always delivers the optimum dispersion pattern whether it is used horizontally or vertically.

In combination with subwoofers such as the S118 or S218, the result is a very powerful system that can reproduce modern music styles at a high level without any restrictions. The FO 12 can also be used for larger venues, provided that further-away areas of the room are boosted with delay speakers (e.g. with the FO 5, which can be installed unobtrusively).

#### 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
- 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	400 W
Power handling program	800 W
Power handling peak	1600 W
Nominal impedance <sup>1)</sup>	8 ohms
Max. SPL average <sup>2)</sup>	121 dB
Max. SPL peak <sup>3)</sup>	126 dB
Sensitivity 1 W/1 m <sup>4)</sup>	94 dB
Crossover frequency	2.6 kHz
Frequency range -6 dB	70 Hz - 20 kHz
Frequency range -10 dB	65 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 12" Sica cone speaker with ferrite magnet and 2" 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)	356 x 580 x 369 mm 14.02 x 22.83 x 14.53 inch
Weight	17.5 kg / 38.58 lbs



Konformitätserklärung

This is to certify that HK AUDIO FINED F0 5 • F0 8 • F0 10 • F0 12 • F0 15 • F0 5112 • FO S112 F • FO S118 • FO S118 F • FO S218 •

#### Für die nachfolgend bezeichneten Erzeugnisse HK AUDIO FINED

F0 5 • F0 8 • F0 10 • F0 12 • F0 15 • F0 5112 • FO S112 F • FO S118 • FO S118 F • FO S218 •

wird hiermit bestäligt, dass sie den wesentlichen Schutzanforderungen entsprechen, die in der Richtli-en 2011/5/21U uns Bechrinkung der Verwendung bestimmter gefährlicher Stoffe in Bektro und Elekt-nonigenäter (nöch) freisighet sind. Diese Erklärung gilt für alle Europiare und bestäligt die Ergöhnisse derkaungen, die daufür die Quali-tiet staffenste derkaufen. comply with the provisions of the Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic This declaration of conformity of the European Un-

This declaration of conformity of the European Un-ion 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. Zur Beurteilung der Einhaltung der RoHS-Richtlinie wurde folgende Norm herangezogen: EN IEC 63000:2018.

#### ZUBIC

1.Stam

Lothar Stamer, Dipl. Ing.

Managing Director St. Wendel, 24/08/2023

equipment (RoHS).

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

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

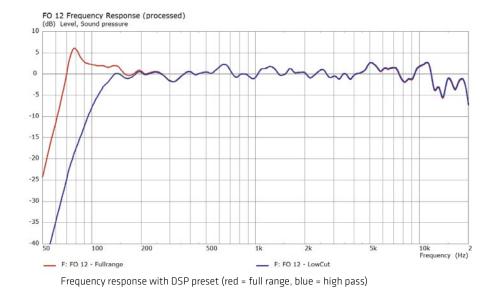
1.Sam Lothar Stamer, Dipl. Ing. Managing Director St. Wendel, 24.08.2023

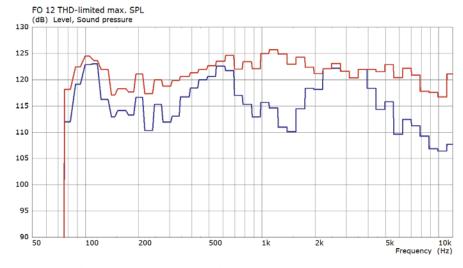
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Universität Stuttgart	MRAssant
Materia anA reparable Drivensia Surgani - Partich 62/142 - 1854 Surgan	Kontakt Drtog Michael Slegnisen Abiniung Minoralische Boussoffe
Stamer Musikanlagen GmbH	Referat Gebautenute, Exerganituran
Trifschierstraße 3	Phillippedicting 4c
66606 St Wendel	78569 Slutgan (Vanneen) Tel. +40 (2)711685-62256 Fez: +48 (2)711685-62256 Michael Szejmikergyings un-60.0gail.de
	www.tipe.un-statigat.co
Bestätigung der Ballwurfsicherheit nach DIN 18032-3:2018-11	In Zeicher: Ine Richtlicht vorsi Litter Zeichten: Syn
	Stuttgart. den 16.05.2023
Sehr geehrte Damon und Herren,	Bits sorden bie Ihre Zuschrühen unter Angebe sonsen Aktiererichere au die Materialendungsanstatt und nicht pie ersterbie Machetererere bew Mate- beer ereinten.
Prüfberühle 304 (862 006)1, 804 1852 0005 und 304 (862 006)8, prevels vom 8 65 2023) besiziigen wir, dass falgende Lautsprecher der Sene FINEO durch disse Prüfungen mil abgedeckt werden und ebenss als belfwerfsicher zu beweiten sind.	
<ul> <li>1008000-FINED FO-12 (baugleich mit 1008001-FO-15)</li> </ul>	
<ul> <li>1008002-FINEO FO-S112 (beupleich mrl 1008003-FO-S118)</li> </ul>	
- 1008065-FINED FO-S112F (baugleich mit 1008067-FO-S118F).	
Mit freundlichen Grüßen	
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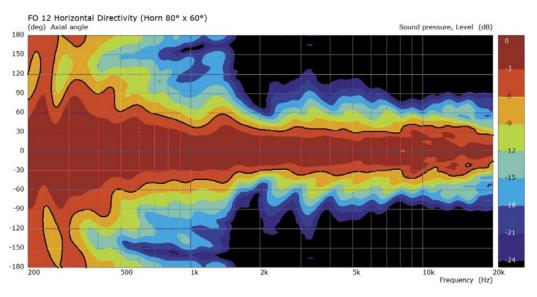
1) According to EN 60268-5 (minimum value not less than 80% of nominal value) 2) 1 m, 10 % THD @ 80 Hz - 20 kHz, (EN 60268-21), full space 3) 1 m, 10 % THD @ 1.2 kHz, full space 4) 80 Hz - 20 kHz, full space

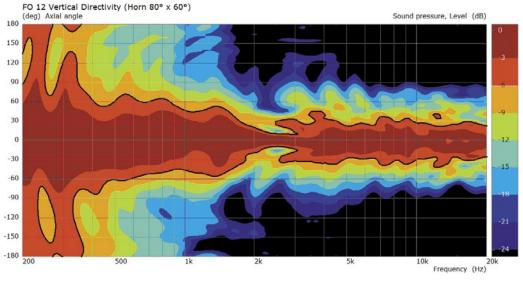






Max. SPL (blue = 3 % THD, red = 10 % THD)





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) 1008029, (white/RAL\*) 1008102

FO 12 U-bracket made of high-strength powder-coated steel for fixed installation of an FO 12. 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

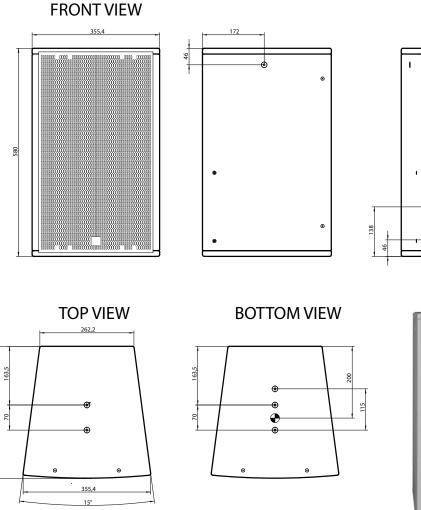
Article number: (black) 1006109 Only available in black!

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°.

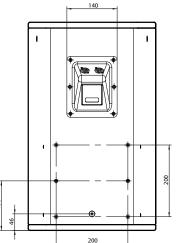


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#### **REAR VIEW**







HK Audio Postfach 1509 66595 St. Wendel, Germany

> info@hkaudio.com fax +49-68 51-905 215 www.hkaudio.com D-3277

Simulation and CAD files, tender specifications, certificates and much more can be found at www.hkaudio.com

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