

FO S118 F

Article number: (black) 1008067, (white/RAL*) 1008097

The FO S118 F is the flyable version of the particularly powerful FO S118 subwoofer. The 18" woofer with a 3" voice coil provides voluminous bass even for larger rooms and when the sound requires more noticeable boost in the lowest frequency ranges. The FO S118 F is an optimal complement for larger systems with FO 10, FO 12 and FO 15 loudspeakers. Despite the large membrane area, the FO S118 F is compact and easy to integrate into various ambiances.

Installation is simple and secure with the optionally available U-bracket or AP-8 attachment points. Four M8 threads on the side and four M8 threads on the top are available for mounting. For aesthetic reasons, the FO S118 F does not have the cut-outs for cable routing or rubber feet.

A secondary grille protects the bass reflex port from accidental or deliberate insertion of foreign objects. A ball-impact resistance certificate in line with DIN 18032-3 is provided for installations in sports facilities.

Features:

- Powerful subwoofer for modern music styles with flow-optimized bass reflex port
- Optimised for flown operation, either on M8 mounting points for AP-8 or with the optional U-brackets f or ceiling mounting
- Support for Lab.Gruppen IPX and LEA Professional with DSP Presets and other DSP platforms with Filter Sheets in open table format
- Extremely solid enclosures in acoustically beneficial MDF and foam-backed grille with additional steel reinforcements
- Designed 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
- Secondary grille protects the bass reflex port from accidental or deliberate insertion of foreign objects
- Simulation data for EASE and EASE FOCUS for predicting sound distribution and combination with other HK Audio mid/high units
- Certified ball-impact resistant in line with DIN 18032-3



Characteristics

Concept	Flyable passive subwoofer
Cabinet principle	Bass reflex
Power handling RMS	1000 W
Power handling program	2000 W
Power handling peak	4000 W
Nominal impedance ¹⁾	8 ohms
Max. SPL average ²⁾	124 dB
Max. SPL peak ³⁾	129 dB
Sensitivity 1 W/1 m ⁴⁾	96 dB
Frequency range -6 dB	41 Hz - crossover frequency
Frequency range -10 dB	38 Hz - crossover frequency
Dispersion angle -6 dB	omnidirectional

Certifications

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

Components

Low frequency	1x 18" Beyma cone speaker with ferrite magnet and 3" voice coil
Crossover	no internal crossover

Connections

Input	1 x NL4 Speakon
Output/parallel output	1 x NL4 Speakon
Pin assignment	2+/- (input/parallel output), 1+/- (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, Symtrix
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Mechanical data

Cabinet material	MDF
Cabinet surface	1-component acrylic enamel
Mounting points	4 x M8 lateral, 4 x M8 lid
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
Secondary grille	Insertion protection of the bass reflex port made of coated expanded metal
Cable routing	n/a
Feet	n/a
Accessories	U-bracket, AP-8
Dimensions (WxHxD)	520 x 608 x 721 mm 20.47 x 23.94 x 28.39 inch
Weight	40.5 kg / 89.29 lbs

Declaration of conformity

Konformitätserklärung

This is to certify that
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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 Standard 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
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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
Merkelstr. 91, 70573 Stuttgart

Prüfungsbericht

Prüfung der Ballwurfstichfestigkeit

Berichts-Nr.: 904 1962 0001
Auftraggeber: Stamer Musikanlagen GmbH
Trinkwasserstraße 3
66606 St. Wendel

Anfrage-Nr. (Kunde): -
Auftrag-Nr. (MPA): 9841 883 008 1 Spm
Prüfgegenstand: Lochsprecher FINEC FO 5118F (1000W) mit Bügel (1000W)

Prüfverfahren mit Anmerkungen: (1) DIN 18032-3:2016-11
Sportstätten - Hallen für Turnen und Spielen und Mehrzwecknutzung - Teil 3: Prüfung der Ballwurfstichfestigkeit

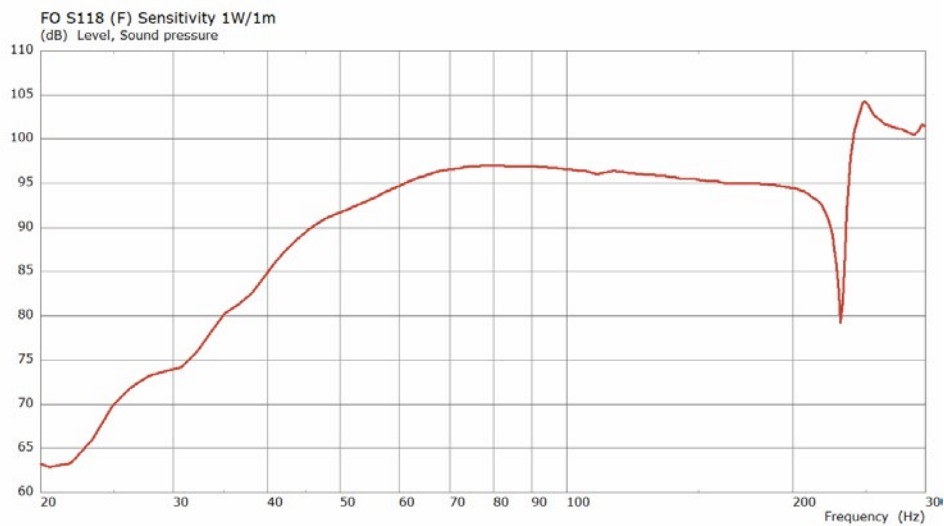
Erstellungsdatum des Prüfprotokolls: 29.11.2022
Datum der Prüfung: 29.11.2022
Datum des Berichts: 08.05.2023

Seite 1 von 3 Tabellen:
Bilder: 3
Anlagen: 0
Originalfunktionen: 6
Anzahl der Ausfertigungen:

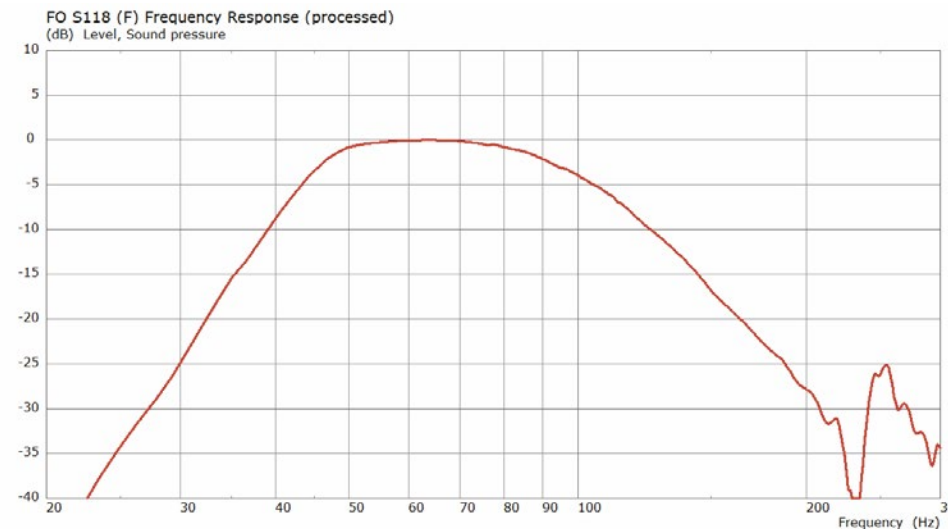
Die Prüfergebnisse beziehen sich ausschließlich auf die Prüfgegenstände. Verantwortlich für die Richtigkeit der Daten ist der Auftraggeber. Die MPA übernimmt keine Haftung für Schäden, die aus dem Gebrauch der Daten resultieren. Die MPA ist nicht für die Einhaltung der Vorschriften der EN 60529 verantwortlich. Die MPA ist nicht für die Einhaltung der Vorschriften der EN 60529 verantwortlich. Die MPA ist nicht für die Einhaltung der Vorschriften der EN 60529 verantwortlich.

- 1) According to EN 60268-5 (minimum value not less than 80% of nominal value)
- 2) 1 m, 10 % THD @ 40 Hz - 100 Hz, (EN 60268-21), full space
- 3) 1 m, 10 % THD @ 70 Hz, full space
- 4) 40 Hz - 100 Hz, full space

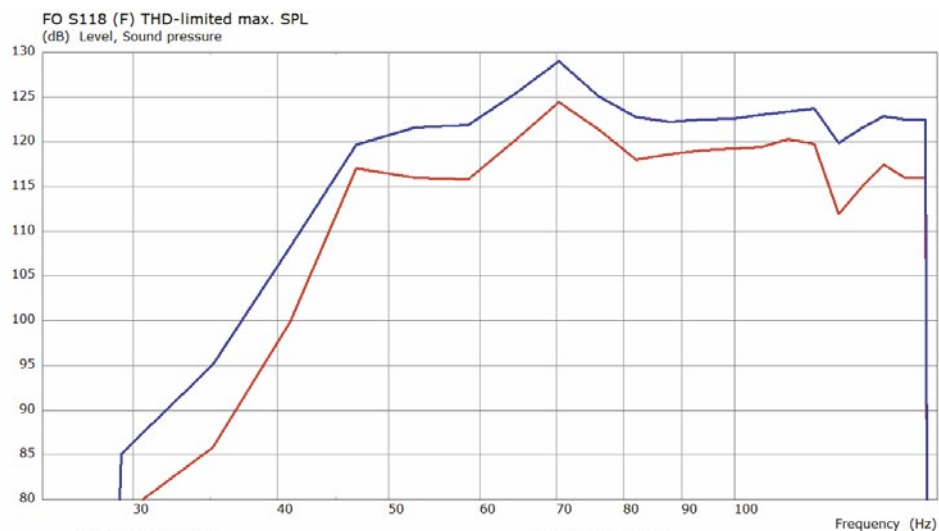
FO S118 F Electroacoustic measurements



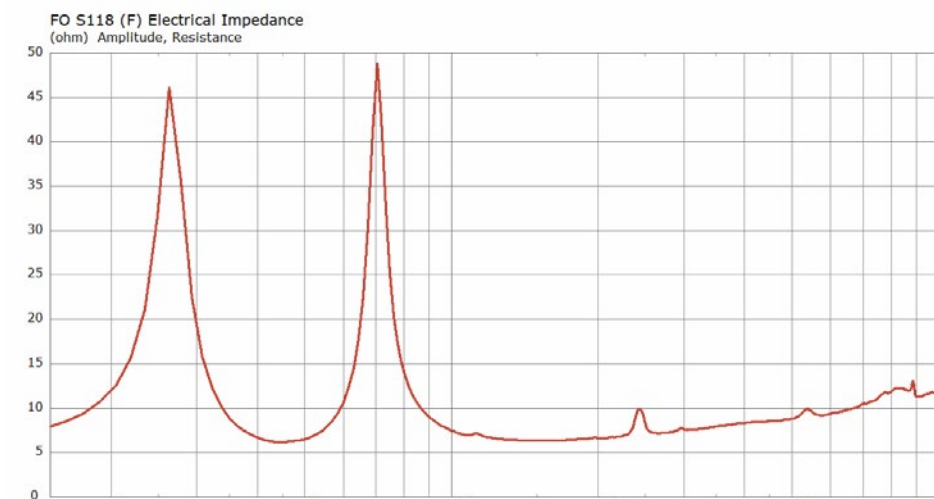
Frequency response, without DSP



Frequency response with DSP preset



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



Electrical impedance

Accessories

U-bracket

Article number: (black) 1008065, (white/RAL*) 1008105

FO S118 F U-bracket made of high-strength powder-coated steel for fixed installation of an FO S118 F to a ceiling. Can be installed at a slight downward angle to allow foreign objects or liquids that may enter the bass reflex port to easily fall out or drain away.

Ball-impact resistance certificate in line with DIN 18032-3, test statistics for operation over an audience can be provided if required.

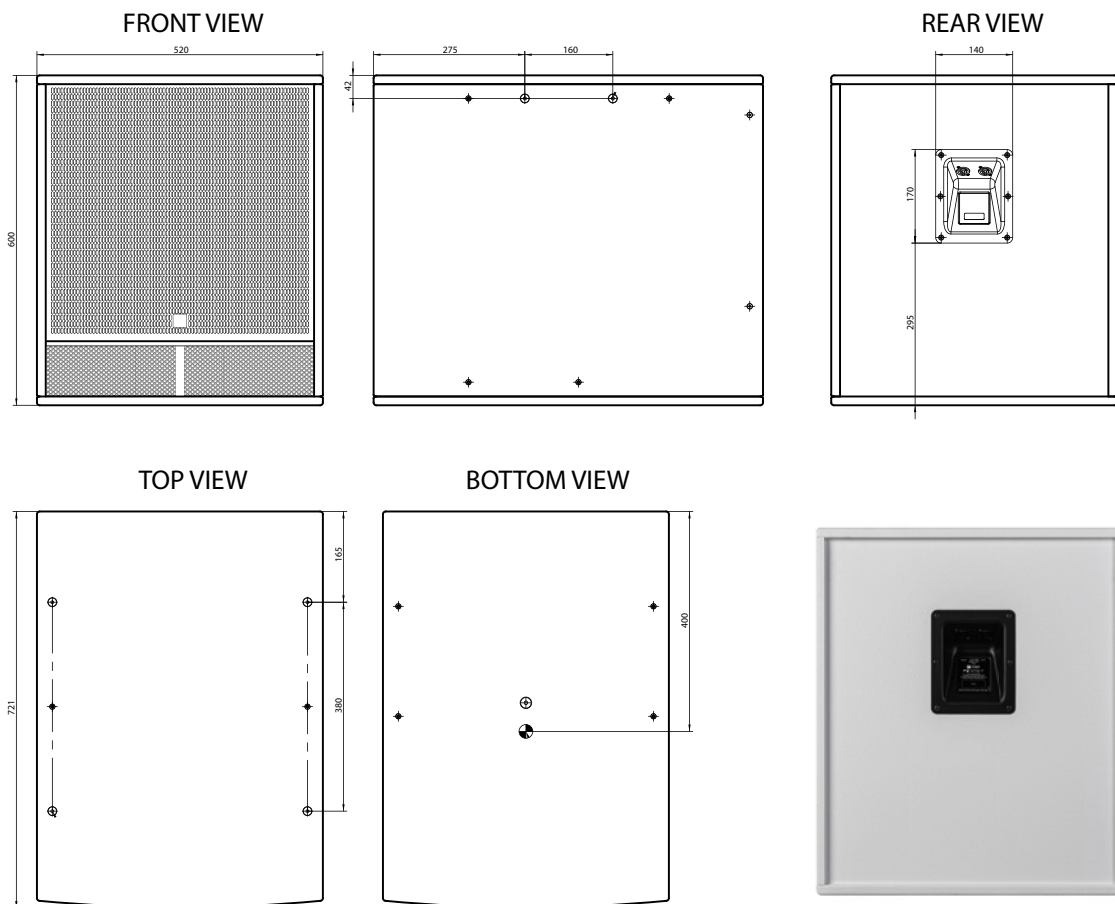


AP-8

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.





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