

# flathouse FH 1

: product card



bejot:

# flathouse FH 1

design:  
Bejot Development Team

Flathouse meets the highest standards in speech level reduction (Class A), ensuring full privacy for users while protecting the surrounding environment from unnecessary noise.

The Flathouse acoustic booth has been designed to provide comfort and optimal acoustics for making phone calls or holding teleconferences. In noisy offices, airports, or public spaces, it creates a dedicated area that allows for a moment of focus. It addresses the needs of the modern world – filled with hustle and noise – where people seek moments of respite.

### Acoustics

sound insulation, sound absorption

### Functions

phone calls, online meetings

### Spaces

open spaces, public areas

## models

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2

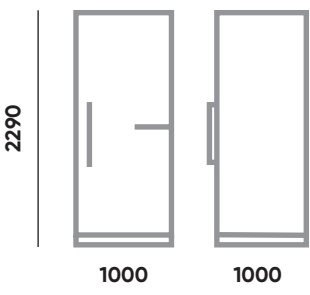


FH 1S G1

FH 1S G1 W

FH 1S G2

FH 1S G2 W



without seat (possibility of adding an independent seat)

FH 1T G1

FH 1T G1 W

FH 1T G2

FH 1T G2 W

freestanding stool  
for FH 1T



XH ST



**1.A external upholstered panels**  
available in a variety of fabrics in a wide range of colors

**1.B external wooden panels**  
oak planks in natural color

**2 internal upholstered panels**  
available in a variety of fabrics in a wide range of colors

**3.A upholstered rear wall**  
available in a variety of fabrics in a wide range of colors

**3.B rear wall made of acoustic safety glass**

**4 floor**  
• acoustic felt carpet, dark gray  
○ oak planks, natural color

**5.A roof panel in upholstered booths:**  
• upholstered in the color of the panels

**5.B roof panel in wooden booths:**  
• upholstered, Fabric Fenno FN009  
○ oak planks, natural colors

**6 tabletop (805x290)**  
height 1100 mm  
• laminated board basic colors  
○ laminated board Studio Design colors  
○ finger joint solid oak wood

**7 mediaport**  
○ PIX mediaport installed in an upholstered shelf (option to include one or two mediaports)

**8 induction charger**  
○ IC – induction charger mounted in the tabletop

**9 tablet stand**  
○ TS – black tablet/phone stand (an integral part of the tabletop)

**10 frame, hinges, fittings, and handle made of metal, powder-coated in black**

**11 occupancy system at the front and back of the booth**

**12 cable grommets in the roof panels**  
○ prepared for the installation of fire safety equipment

**13 freestanding stool with height adjustment**

**14 stool permanently mounted to the floor**

• standard    ○ option

## equipment



### booth occupancy system (standard)

A system located at the front and back of the booth, activated by a built-in motion sensor, indicating the booth's occupancy during use. Once the fans have completed their operation and the air has been refreshed, the booth is ready for use again.



### acoustic glass (standard)

Transparent, acoustic, and safety glass with acoustic seals. Made of laminated glass with four layers of anti-vibration film. In the event of breakage, the shards remain stuck to the film, minimizing the risk of injury. The film also serves as a sound barrier, enhancing the acoustic properties of the glass. In the G1 version, the glass is only at the front of the booth, while in the G2 version, it is at both the front and the back.

Glass thickness: 8.5 mm. Width of the tempered glass door: 824 mm.



70m<sup>3</sup>/h

### ventilation (standard)

An efficient ventilation system utilizing quiet fans with an airflow of approximately 70 m<sup>3</sup>/h. The air volume is optimized to ensure the user's comfort. The system is fully automatic and safe to use.

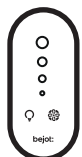
**Ventilation function** – after leaving the booth, the ventilation will continue to operate for an additional 3 minutes to ensure comfort for the next users.



### ceiling lighting (standard)

Efficient, energy-saving LED lighting, automatically activated by a motion sensor, with adjustable light intensity.

One LED lamp integrated into the ceiling panel, light color 4000 K, brightness 216 lm, powered by a 12 V mains connection.



### touch panel (option)

A touch panel for 4-level adjustment of ventilation and lighting. Installation location: above the shelf.



### tablet/phone stand (option)

**TS** – a black stand for a tablet/phone (integrated into the desk)



### leveling feet (standard)

Leveling feet that ensure stable positioning of the booth.



### transport wheels (standard)

Built-in transport wheels that make moving the booth easier. Thanks to the wheels, only one person is needed to move the booth. To stabilize and level the booth, lift the transport wheels and lower the leveling feet. To adjust the feet, remove the black plugs located in the floor and use a 7 mm socket wrench or flat screwdriver to raise or lower the feet to the desired height.



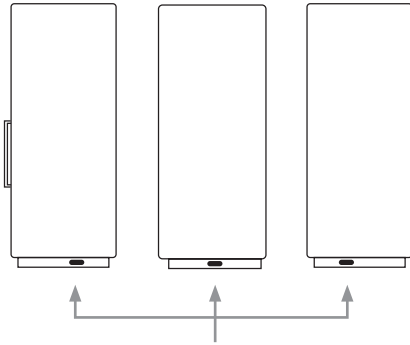
### preparation for fire protection equipment installation (option)

Prepared for the installation of fire protection devices such as speakers and sensors.  
Cable pass-throughs with a diameter of 25 mm prepared in the roof panels (both internal and external).



### electrical installation (standard)

Safe electrical installation. Components based on the 12 V standard. Includes a 2.5 m power cable (plug type E – Poland/France, type F – Germany, type G – United Kingdom).



option to choose power cable exit location



### media port installed in the upholstered shelf (option)

Option to install one or two media ports.



#### **E1V** (option)

Round PIX media port (black-B) with one 230 V power socket, 22 W power rating.



#### **M1AC** (option)

Round PIX media port (black-B) with USB A+C sockets, 22 W power rating.

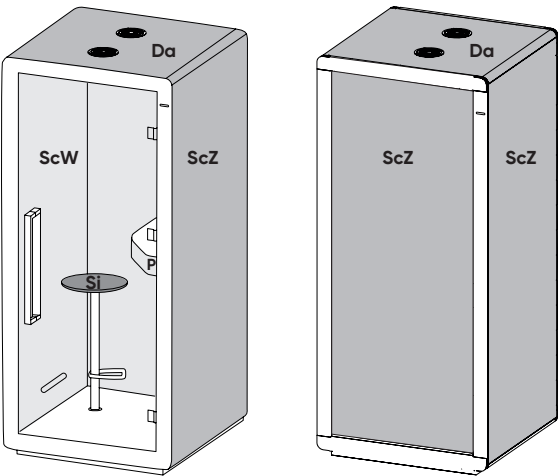


### wireless charger (option)

IC – wireless charger mounted in the desk

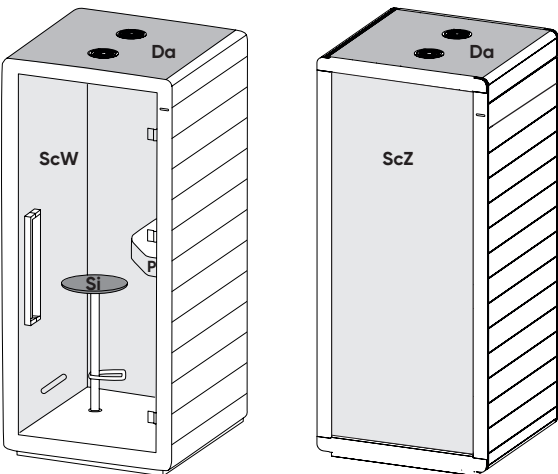
# upholstery capabilities

FH 1T G1/G2, FH 1S G1/G2



- **first color of the fabric**  
ScW – internal walls and ceiling panel (interior)  
P – shelf
- **second color of the fabric**  
ScZ – external walls  
Da – roof panel (external)
- **third color of the fabric**  
Si – seat

FH 1T G1/G2 W, FH 1S G1/G2 W



- **first color of the fabric**  
ScW – internal walls and ceiling panel (interior)  
ScZ – external wall  
P – shelf
- **second color of the fabric**  
Da – roof panel (external) in Fenno FN009 fabric or wooden (option)
- **third color of the fabric**  
Si – seat

fabric application possibilities

Flathouse FH 1

1 grp.	2 grp.	3 grp.	4 grp.
fenno	alaska alpa charles, charles SD cura pastel roccia valencia	ally, ally SD alpa SD blazer cura SD cyber SD easy SD oceanic silvertex, silvertex SD synergy, synergy SD valencia SD client's fabric	oceanic SD remix SD

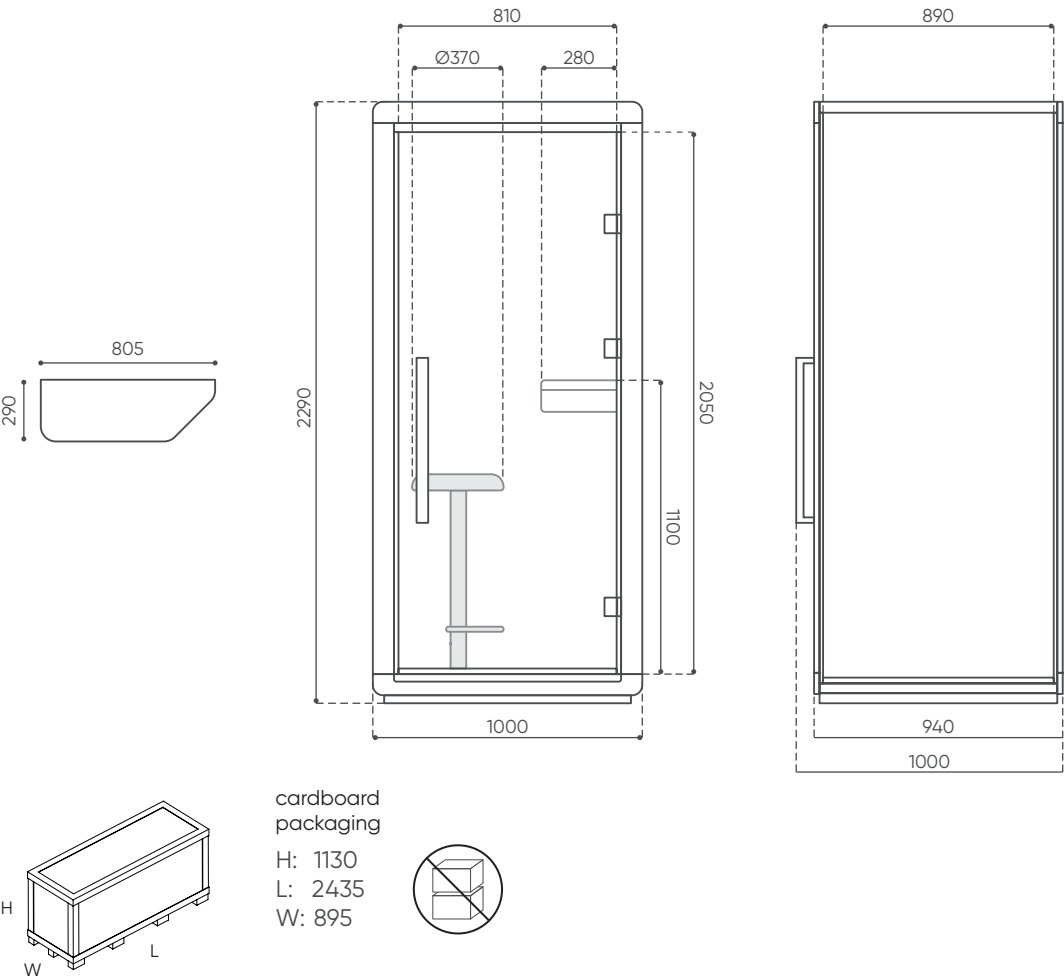
freestanding barstool


Black fabric Fidivi One 8033

upholstered roof panel in FH 1 W  
 (booth with wooden external panels)

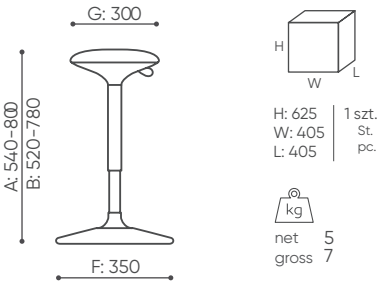
Fenno FN009

dimensions, packaging and weights



	FT 1S G1	FT 1T G1	FT 1S G1 W	FT 1T G1 W	FT 1S G2	FT 1T G2	FT 1S G2 W	FT 1T G2 W
net weight of the product	330	305	330	305	354	319	344	319
gross weight of the product	397	372	397	372	421	386	411	386

**XH ST**



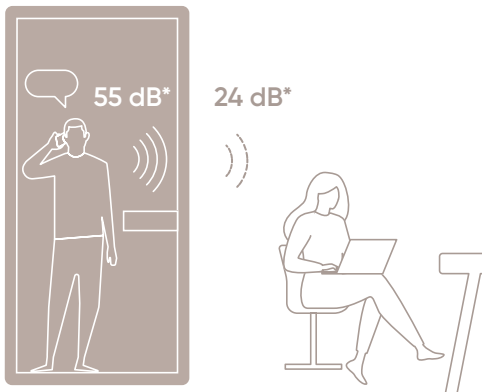
**acoustic information**

**reduction of speech noise level**

according to: ISO 23351-1:2020

The speech volume of a person inside the Flathouse booth is reduced by more than half (in dB), while the perceived loudness drops by a factor of 8.5!

This ensures that conversations inside the booth remain confidential.



\*55 dB -> 24 dB ≈ 8,5-fold reduction in perceived sound volume from inside the booth

\*\* Research results conducted for the FH 1T G2 booth.



## acoustic insulation of the booth

according to standards: PN-EN ISO 11957:2010 and PN-EN ISO 717-1:2013

Optimal acoustic insulation enhances comfort and work efficiency, facilitates conversations and video conferences, reduces fatigue, and limits excessive stimuli.



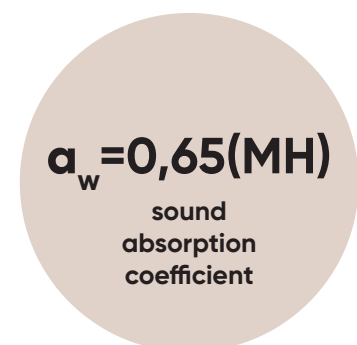
\*55 dB -> 25 dB = 8-fold reduction in perceived sound volume from outside the booth

\*\* Research results conducted for the FH 1T G2 booth.

## sound absorption coefficient

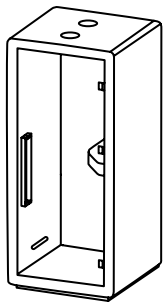
according to standards: PN-EN ISO 11654:1999 i PN-EN ISO 354:2005

The upholstered panels of the Flathouse booth, compared to most booths on the market (typically finished with hard, highly sound-reflective materials), are filled with special acoustic felt. This material reduces the number of sound reflections in the room, thereby lowering the noise level in the office. The Flathouse acoustic booth, in its externally upholstered version, improves the acoustic conditions of the room in which it is placed. It introduces approximately 5 m<sup>2</sup> of sound-absorbing surface.



# sustainable development

Flathouse booths have been designed with durability and minimal environmental impact in mind.

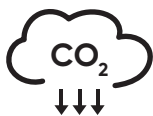


98%

the materials of the FH 1S G2 booth are recyclable



The FH 1S G2 model is made from materials that can be recycled after the end of their use. This is a practical way to reduce waste and give materials a second life.



## less waste at the design stage

Before the final product is created, we focus on minimizing waste and selecting materials with a low environmental footprint. The booth's components are easy to disassemble and sort, facilitating further recycling.

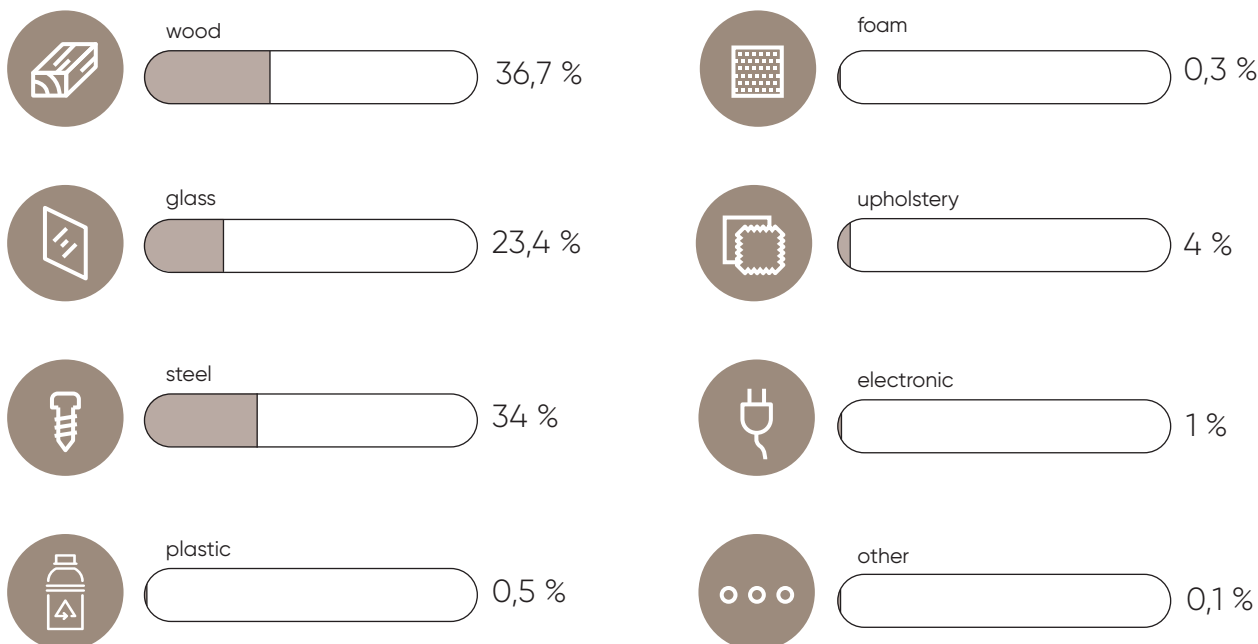


## responsible sourcing

The wooden elements used in our products come from suppliers certified by FSC or PEFC, which confirm compliance with international standards for responsible forest management, considering environmental, social, and economic factors.

# material composition

The percentage of each material's mass in the Flathouse FH 1S G2 booth.

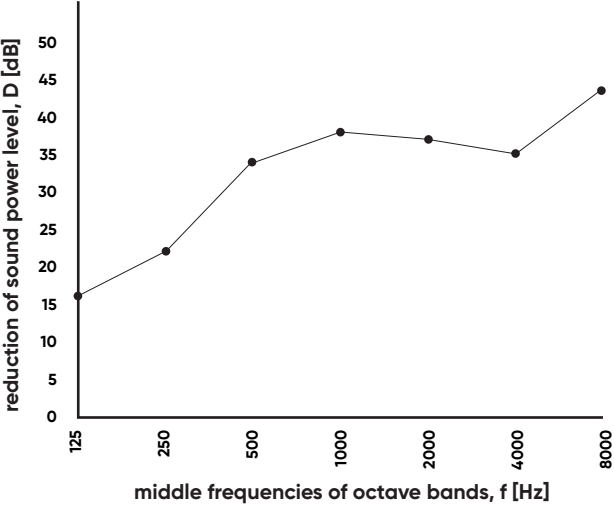


# comparison of Flathouse acoustic booths

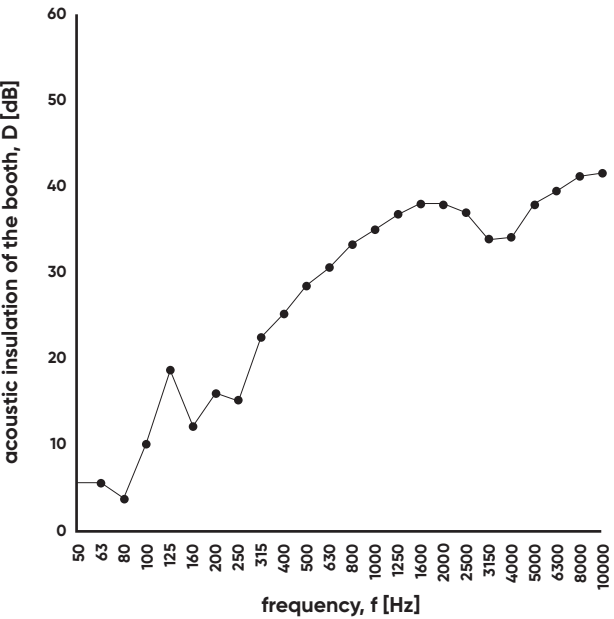
	FH 1	FH 2	FH 4	FH 6
<b>dimensions</b>				
external dimensions (width x height x depth)	1000 x 2290 x 1000 mm	2260 x 2290 x 1000 mm	2260 x 2290 x 1920 mm	2800 x 2290 x 2840 mm
internal dimensions (width x height x depth)	810 x 2050 x 895 mm	2070 x 2050 x 890 mm	2070 x 2050 x 1800 mm	2600 x 2050 x 2720 mm
<b>product weight</b>	372 kg – 421 kg (depending on version)	528 kg – 645 kg (depending on version)	908 kg – 1058 kg (depending on version)	1270 kg
<b>glass</b>				
available versions	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G1 – glass on one side of the booth G2 – glass on both sides of the booth	G2 – glass on both sides of the booth
<b>ventilation</b>				
number of fans	2	4	8	12
airflow	70 m³/h	130 m³/h	260 m³/h	360 m³/h
<b>integrated lighting</b>				
lighting intensity control	yes	yes	yes	yes
number of light points	1	2	4	12
activation	automatic – motion sensor	automatic – motion sensor	automatic – motion sensor	automatic – motion sensor
lighting type	led	led	led	led
brightness	216 Lm	2 x 216 Lm	4 x 216 Lm	12 x 216 Lm
power supply	12 V	12 V	12 V	12 V
light color	4000 K	4000 K	4000 K	4000 K
<b>multimedia panel</b>				
prepared for 32" TV mounting; cable gland, cable pass-through	no	yes	yes	yes
touch panel for lighting and ventilation intensity control	none	yes, option	yes, option	yes, option
media port	yes, option	yes, standard	yes, standard	yes, standard
transport wheels	yes, option	yes, option	yes, option	yes, option
<b>transport wheels</b>	yes, standard	yes, standard	yes, standard	no

# acoustic test results

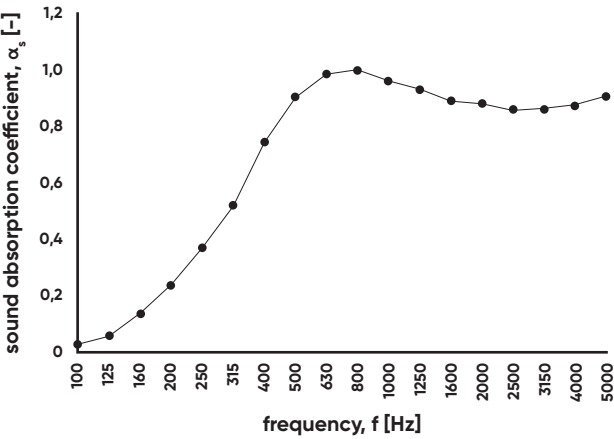
speech noise level reduction



weighted acoustic insulation index



Absorption of Flathouse external panels



Tested parameter	Speech level reduction $D_{S,A}$	Sound insulation performance of the booth $D_{p,W}$	Sound absorption coefficient $\alpha_w$
<b>Result for Flathouse acoustic booth</b>	31 dB <b>class A</b>	30 dB	0,65 (Mh)
<b>Recommended value</b>	$\geq 25$ dB	$\geq 28$ dB	$\geq 0,3$
<b>Explanation</b>	The higher the value, the less audible the conversation in the booth.	The higher the value, the better the external noise reduction.	The higher the value, the greater the noise and reverberation reduction in the room where the booth is.
<b>Standard</b>	ISO 23351-1:2020	PN-EN ISO 717-1:2013	PN-EN ISO 354:2005 ISO 20189:2018

**Test results for Flathouse FH 1T G2.**

**Bejot sp. z o.o.**

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