Hako technical specification



.mdd

.mdd has a leading position among manufacturers of office furniture with many awards that prove quality and continuously increase demand for it's products.

The realities of today's market require constant quality improvement at all levels of modern organization. This applies in particular to customer service, marketing, quality of products and also to quality of processes within the company. Partnership relations among employees and with business partners form a base of economic growth and success of the company.

Constant investments in innovative machinery park, optimization of managment systems and an expansion of production halls allow to minimize the lead times for the product of the highest quality.

More than twenty years of experience in office furniture industry come with reference from a long list of companies and institutions to show their appreciation for an efficient and comprehensive service. .mdd is higly aware of the environment.

Being located in the forest region with lake by its side, .mdd takes the nature seriously and invests constantly in a modern and energy-efficient solutions to preserve the local life. Company puts emphasis on waste segregation and recycling. .mdd has been awarded for the exceptional care and involvement in waste disposal. All materials used are environmentally friendly and enjoy a high 95 % rate of being recycled.













General informations:

Warranty:

.mdd products - **5 years**. Electrical components and fabric - **2 years**.

Certificate - MFC:





Certificate - fabric:





Assembly:

product delivered in separate elements

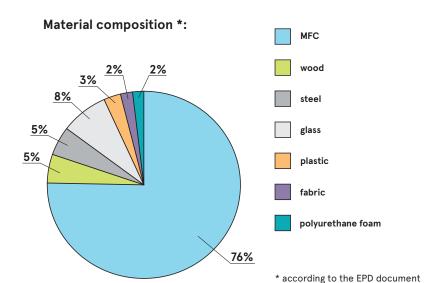
Packing:

wooden crates; separate elements situated on wooden racks; panels protected by a foil

Boards density:

12 mm - 690 - 750 kg/m3 18 mm - 650 - 690 kg/m3 28 mm - 610 - 630 kg/m3

36 mm - 610 - 630 kg/m3



Recyclability **

Recycling: 12% - Downcycling: 88%

Recycled content

9%

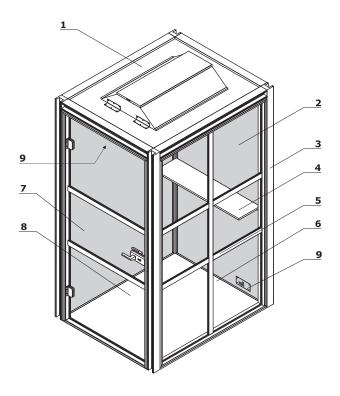
Co2 carbon footprint

155,2 kg

Hako Date of preparation 31.01.2023

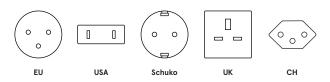
^{**} average values for a representative of the group; values may vary for other products

Office booth Hako



- 1. Ceiling upholstered, equipped with lighting and exhaust fans
- 2. Upholstered wall full, 75 mm thick, upholstered on both sides; acoustic filling with sound isolation properties
- 3. Columns 75x75 mm, powder coated
- 4. Shelf 12 mm MDF, colour: black, can be mounted only to upholstered walls with 1000 mm width
- 5. Aluminium strips 5 mm thick
- **6. Glass wall -** toughened glass, 6 mm thick
- 7. Glass door toughened glass, 8 mm thick, equipped with hinges, handle with a lock and gaskets system improving the acoustic properties of the booth
- 8. Floor option with additional fee melamine plate + acoustic covering (21mm thickness), colour: graphite
- 9. Fans:
- * in-take (near the floor) can be turned on and off, with adjustable fan speed. The exact location can be found on the shop drawings.
- *exhaust integrated with the ceiling lamp

Electric systems available:



Additional information:

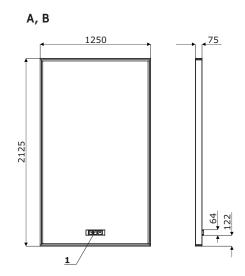
- multi-layer walls structure ensure ideal acoustic isolation; the remarkable acoustic parameters have been confirmed through a research done by an acreddited laboratory in accordance with ISO 23351-1:2020 acquiring a certificate with the DS,A result of 25,7 dB
- air function fans work for additional 5 minutes after leaving the booth
- maximum air-flow:
 - *260 m3/h (for spaces adequate to HK01, HK021)
 - *520 m3/h (for spaces adequate to HK03)
- volume 27,5 dB (A)
- LED SLIM panel, 60x60 cm, external power supply; 40W, 3200lm, 4000k, 220-240V AC, 120', RA>80, PF>0.9, white, STANDARD LINE

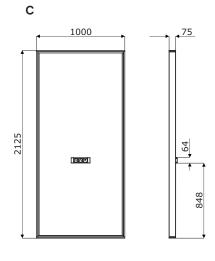
Attention! In standard the booth has no floor.

Mediabox - dimensions (mm)

1. Mediabox - 2x230V + 1xUSB + 1xUSB type C

- A on the left wall near the floor
- B on the right wall near the floor
- C on the shorter wall above 740mm height





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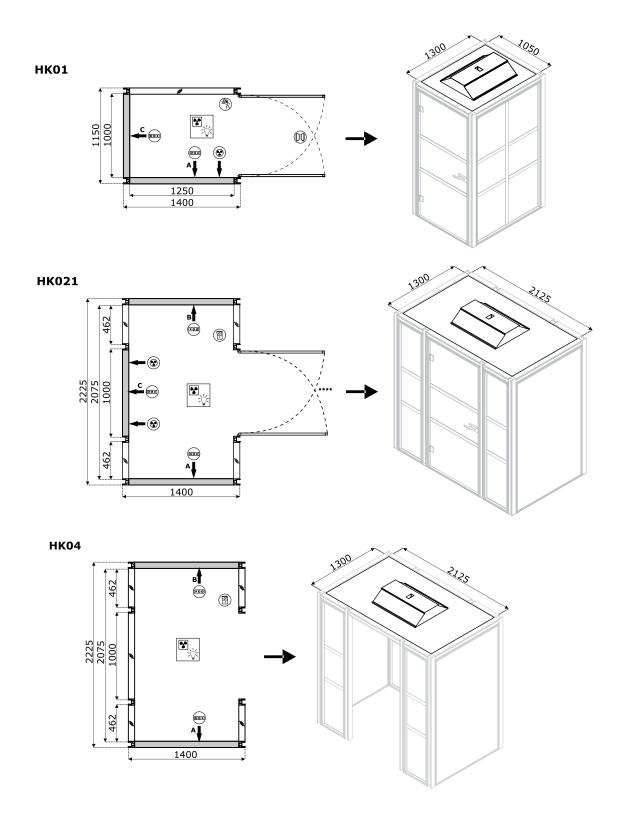
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Hako

Legend:

- wireless light switch which can be situated in any place
- Ieft / right door option

- in-take fans (near the floor) can be turned on and off, with adjustable fan speed Attention! It is suggested not to block fans to ensure the proper airflow rate
- exhaust fans are integrated with the ceiling lamp

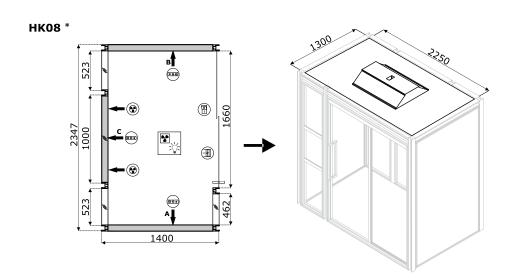


Hako

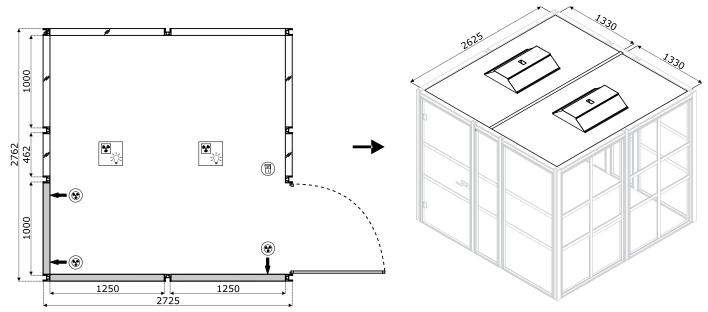
Legend:

- ${\scriptsize \fbox{ }}$ wireless light switch which can be situated in any place
- sliding door

- in-take fans (near the floor) can be turned on and off, with adjustable fan speed Attention! It is suggested not to block fans to ensure the proper airflow rate
- lacktriangledown exhaust fans are integrated with the ceiling lamp



HK03



^{*} frosted stripes on front walls of sliding door

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Legend:

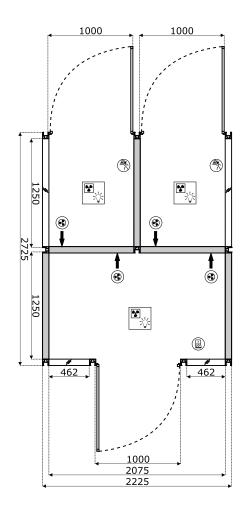
motion sensor (activates the exhaust fans and lighting)

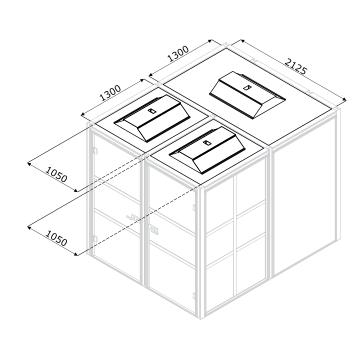
wireless light switch - which can be situated in any place

in-take fans (near the floor) can be turned on and off, with adjustable fan speed - Attention! It is suggested not to block fans to ensure the proper airflow rate

exhaust fans are integrated with the ceiling lamp

HK05



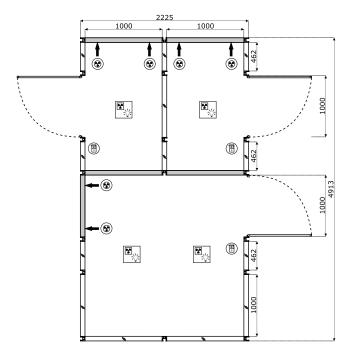


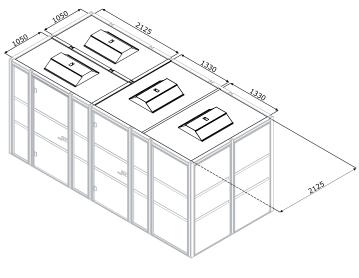
Hako

Legend:

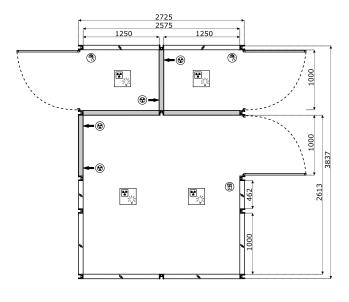
- wireless light switch which can be situated in any place
- in-take fans (near the floor) can be turned on and off, with adjustable fan speed Attention! It is suggested not to block fans to ensure the proper airflow rate
- exhaust fans are integrated with the ceiling lamp

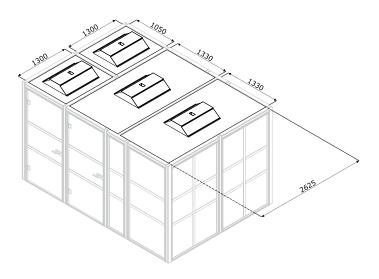
HK06



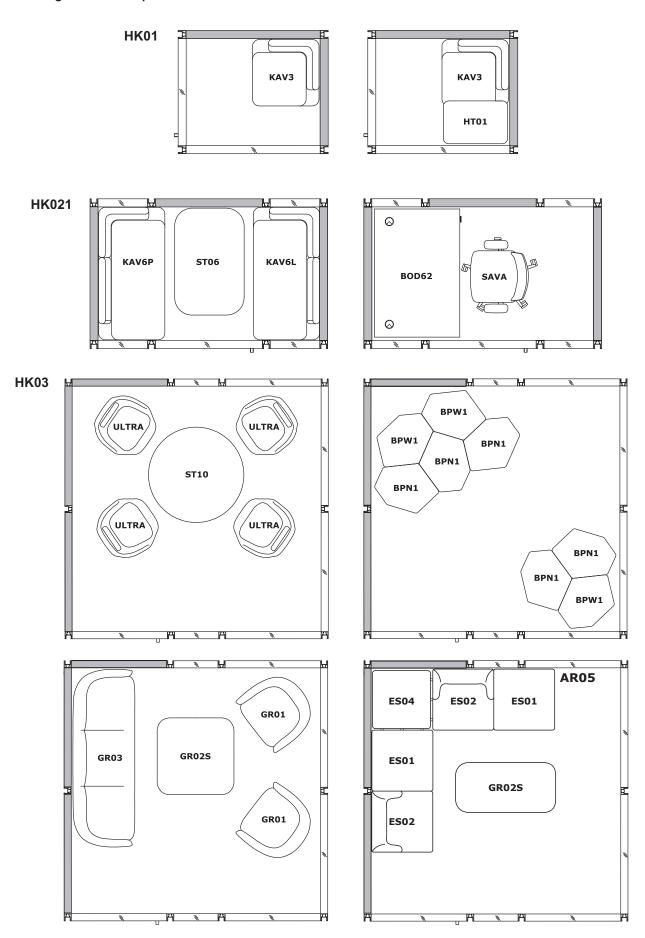


HK07





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HK01 1150 / 1400 / 2341 399.7 kg



HK021 2225 / 1400 / 2341 534.66 kg



HK03 2762 / 2725 / 2341 942.3 kg



HK04 2225 / 1400 / 2341 442 kg



HK05 2225 / 2725 / 2341 995.06 kg



HK06 4913 / 2225 / 2341 1572 kg



HK07 3838 / 2725 / 2341 1437.4 kg



HK08 2347 / 1400 / 2283 533 kg

Shelf *



HK1P 980 / 250 / 156 8 kg

Fabric Mica - second price group



MC-2497-62048

MC-2496-61008

MC-2496-66031

Olive

Beige



MC-2497-67042

MC-2496-62093

MC-2496-60000

MC-2496-67015

Light olive

Light grey

Aquamarine

MC-2497-64146 Red Dark red



MC-2497-66006 Navv blue



MC-2497-67017

MC-2496-62095

MC-2497-60000

MC-2497-64029

Burgundy

Mustard

Grey

Bottle green

MC-2497-68146 Green



MC-2496-62096 Yellow



MC-2497-60021 Graphite

Technical data:

Material

Fabric weight Abrasion resistance rubs Pilling resistance Light fastness **Rubbing fastness**

Flammability

post-consumer recycled polyester 97%, polyester 3%

305 g/lm

60,000 rubs martindale (EN ISO 12947-2) scale 1-5, max. 5 - EN ISO 12945-2, 4-5 scale 1-8, max. 8 - EN ISO 105-B02, 5-8 dry: 4-5, wet: 4-5, scale 1-5, max. 5 - EN ISO 105x12

CA TB 117-2013 ASTM E 84 Class I BS EN 1021-1 Cigarette BS EN 1021-2 Match BS 476 Part 7 class I

Fabric Medley - second price group



M-68005 Dark

M-60999 Black



M-61189 Beige

M-66010 Blue

M-66008 Grey



M-64019 Red



M-63064 Pink



M-62054 Mustard





Grey-violet



M-63017 Rusty

Technical data:

Material Fabric weight Abrasion resistance rubs Pilling resistance Colour fastness to light Colour fastness to rubbing

> Acoustic test sound absorption Flammability

polyester 100% 510 g/lm (16.45 oz/lin.yd.) BS EN ISO 12947-2, 75,000 cykli Martindale scale 1-5, max. 5, EN ISO 12945-2 (4) scale 1-8, max. 8, EN ISO 105-B02 (5-7) scale 1-5, max. 5, EN ISO 105x12 (wet/dry (4-5/4-5)

ISO 354 BS EN 1021-1 (cigarette)

BS 476 Part 7, Class 2 Class Uno UNI 9174 - UNI 8457 CA TB 117-2013 ASTM E 84 Class I

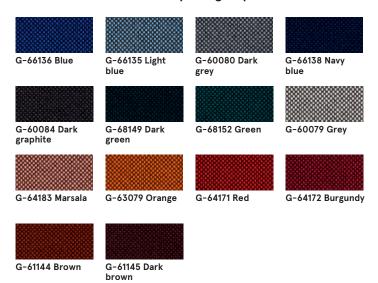


M-62002 Yellow

M-67006 Light

C-45 Green

Fabric Go Check - second price group



Technical data:

Material Fabric weight Abrasion resistance rubs Pilling resistance Light fastness **Rubbing fastness** 100% Trevira CS 435g/lm 80,000 rubs martindale (EN ISO 12947-2)

scale 1-5, max. 5 - EN ISO 12945-2, 5 scale 1-8, max. 8 - EN ISO 105-B02, 5-8 dry: 4-5, wet: 4-5, scale 1-5, max. 5 - EN ISO

105x12

Flammability BS EN 1021 1&2 Cigarette and Match

BS EN 1021-1 Cigarette BS 5852 Crib 5 BS 7176 Medium hazard DIN 4102 - B1

NFP 92-503/504/505 M1 ÖNORM A3800-B1-B3825-Q1 UK Class Uno UNI 9175 Class 1 I EMME

FAR/JAR 25.853 (a) (i) (ii) CA TB 117-2013 DIN EN 13501-1 B-s1,d0

AM 18 - NF D 60-013-(only for fabric)

Fabric Charles - second price group



Technical data:

Material 100% polyester Fabric weight 433g/m2 Abrasion resistance rubs Pilling resistance Light fastness

Flammability

90,000 Martindale cycles (EN ISO 12947-2)

EN ISO 12945-2, 5 EN ISO 105-B02, 5 Rubbing fastness

dry: 4-5, wet: 4-5,EN ISO 105x12

EN 1021, 1

* There is a possibility of ordering the product in full colour spectrum of Charles range, as per Dekoma pattern book, within the standard delivery time.

Fabric Synergy - third price group



Technical data:

95% Virgin Wool, 5% Polyamide Composition Fabric weight 400g/m2 (560g/lm) 100.000 Martindale cycles Abrasion resistance rubs Colour fastness to light ISO 105 - B02

Colour fastness to rubbing EN ISO 105x12 (dry/wet)

Flammability EN 1021 - 1&2 (cigarette & match)

BS 7176 Low Hazard NF D 60-013

ÖNORM B 3825 & A 3800-1 (58 kg/m3 CMHR

5

4-4

Foam)

UNI 9175 Classe 1 IM

EN 13501-1 Adhered Class D, s1, d0

IMO FTP Code (Part 8)

The Furniture and Furnishing (Fire) (Safety) Regulations 1988 (Domestic Cigarette and

Match)

BS 5852 Ignition Source 5 when FR treated BS 7176 Medium Hazard when FR treated EN 13501-1 Adhered Class B, s1, d0 when FR

treated

EN 13501-1 Un-adhered Class D, s2, d0 when

FR treated

BS 5867-2: Type B Curtains & Drapes when FR

treated

Fabric Silvertex - third price group

There is a possibility of ordering the product in full

Spradling's pattern book, within 15 working days.

colour spectrum of Silvertex range, as per

Technical data:

Material Topcoat: 100% Vinyl

Backing: 100% Polyesterr Hi-Loft 2™

Fabric weight 685 gr/m2

>300.000 cycles Martindale Abrasion resistance UV-resistance >= 7 (1000 hours, blue wool scale)

Cold Crack resistance -23°C

Flame retardancy NF P 92-503 / M2

EN 1021, Part 1&2 DIN 4102 B2

ÖNORM B 3825, Gruppe I - Schwerbrennbares

Verhalten

ÖNORM A 3800, Teil I, Qualmbildungsklasse QI

- schwachqualmend

IMO Res. MSC.307 (88) (2010 FTP Code) Annex

I Part 8

(MED) Marine Equipment Directive in its

current valid version

UNI 91 75 (1987) / UNI 9175/FAI (1994) Classe

I.IM (uno I EMME) UNE 23.727-90 IR /M2

EN 71-2: 2006+AI: 2007 Safety of Toys - Part 2:

Flammability

ECE R I I 8 (replaces Directivee 95/28/EC)

FMVSS 302 FAR 25/853

Antifungal Protection, Antibacterial **Antimicrobial**

Protection, Antimycotic Protection

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Hako	Date of preparation

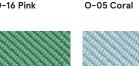
31.01.2023

Fabric Oceanic - third price group



green

O-08 Dark grey





O-01 Black



O-12 Red



O-07 Yellow

Technical data:

Material Fabric weight Abrasion resistance rubs Pilling resistance Light fastness **Rubbing fastness** Flammability

100% post-consumer recycled polyester 497g/m2 100,000 Martindale cecles (EN ISO 12947-2) EN ISO 12945-2, 5 EN ISO 105-B02, 5

EN 1021, - 1&2 (Cigarette and Match) BS 7176 Low Hazard BS 5852 Ignition Source BS 7176 Medium Hazard

dry: 4, wet: 4, EN ISO 105x12

Fabric Quest - third price group



Q-19 Beige

Q-08 Navy blue

Q-25 Orange

Q-18 Olive

Q-04 Graphite



Q-13 Light green







blue

Material Fabric weight

Technical data:

Abrasion resistance rubs Light fastness **Rubbing fastness** Flammability 100% post-consumer recycled polyester

330g/m2

100,000 Martindale cecles (EN ISO 12947-2) EN ISO 105-B02, 4-6 dry: 4, wet: 4, EN ISO 105x12

EN 1021, - 1&2 (Cigarette and Match) BS 7176 Low Hazard UNI 9175 Classe 1 IM

BS 476 Part 7 Class 1Y (Adhered) EN 13501-1 Adhered Class B, s1, d0 EN 13501-1 Un-adhered Class B, s1, d0 BS 5852 Ignition Source 5 with EnviroFlam5 BS 7176 Medium Hazard with EnviroFlam5 IMO FTP Code (Part 8) with EnviroFlam5

Fabric Grain - third price group







GR-66232 Navy

blue









GR-60301 Grey

Fabric weight Abrasion resistance rubs Pilling resistance **Light fastness Rubbing fastness**

Technical data: Material

Flammability

92% post-consumer recycled polyester

8% polyester 615g/m2

100,000 Martindale cecles (EN ISO 12947-2) EN ISO 12945-2, 5

EN ISO 105-B02, 5-7 dry: 4-5, wet: 4-5, EN ISO 105x12 BS EN 1021 1&2 Cigarette and Match

BS EN 1021-1 Cigarette CA TB 117-2013



Hako

GR-68243 Olive



GR-66236

Sky-blue

GR-61250 White

Fabric Atlas - fourth price group



Technical data:

Material Fabric weight Abrasion resistance rubs Colour fastness to light Colour fastness to rubbing Flammability

286g/m2, 400g/lm 100,000 cykli Martindale, EN ISO 12947 ISO 105 B02: 6-7 ISO 105-X12:2001, (wet/dry) 4-5/4-5 BS EN 1021-2 Match,BS EN 1021-1 Cigarette, BS 5 5852 Crib 5, BS 5852 ignition source 3, BS 5852 Part 1, NF D 60 013, UNI 9175 1IM, US Cal. Bull. 117-2013

90% new wool, 10% nylon

Frame - metal

AS-971 Light

green



AS-981 Dark green