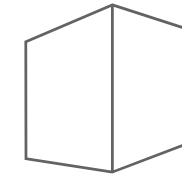
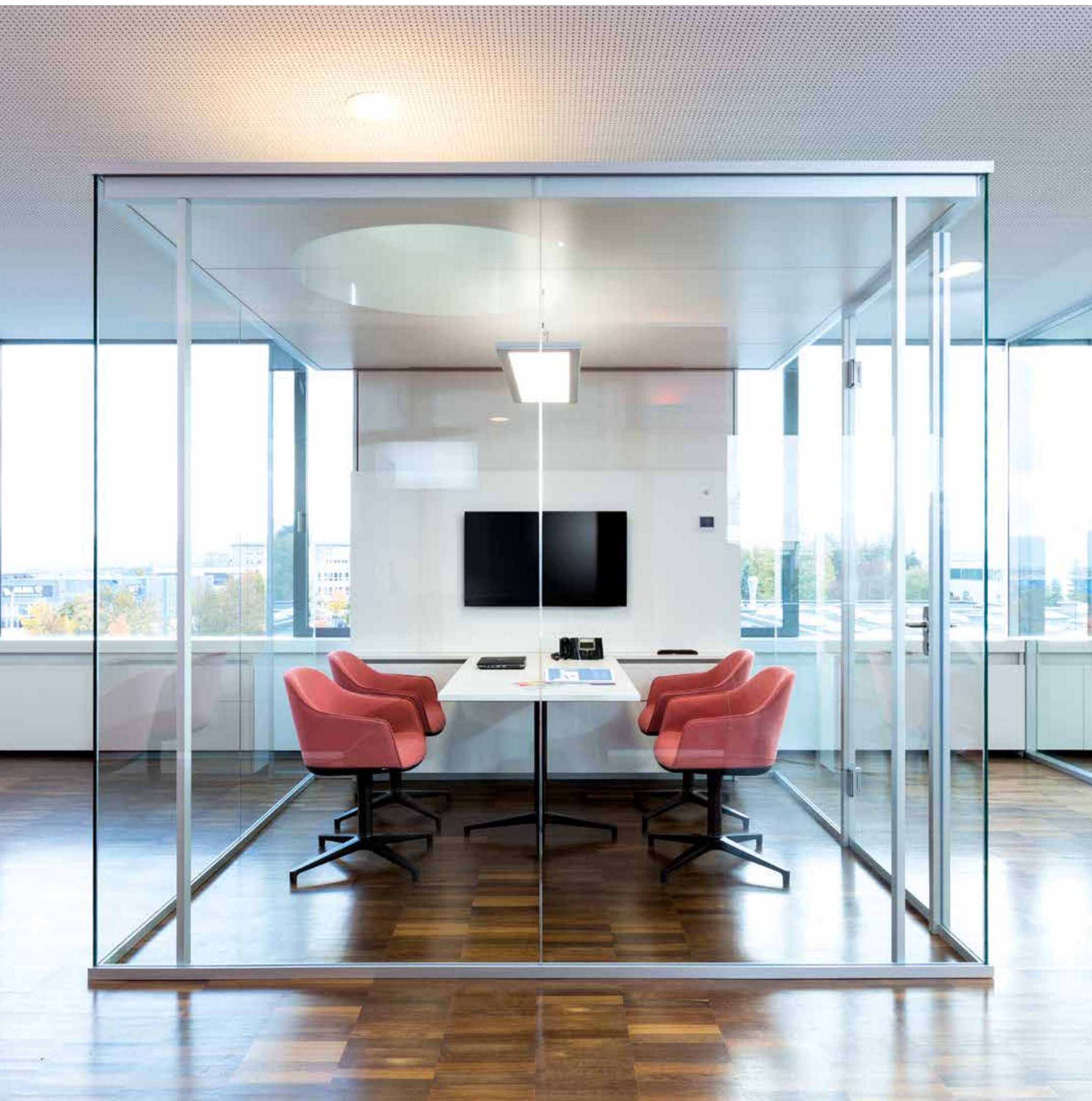


SYSTEM KUBUS I
SYSTEM KUBUS II

New rooms in
open spaces





Kubus.

**New rooms in open-plan offices –
room-in-room solutions
for modern office concepts.**

Kubus I

The room-in-room system with single glazing offers transparent areas of retreat. Kubus I is equipped as a room for making phone calls and holding meetings with one, two or four participants.



Kubus II

The room-in-room system with double glazing combines aesthetics and functionality. Excellent sound insulation values guarantee a concentrated working environment. Kubus II has been designed as a meeting room for up to six people.



Retreat,
conference room,
think tank:

Strähle room-in-room systems create new rooms in open spaces. They enhance modern, open-plan office concepts and contribute considerably to their acceptance. As they can be freely positioned within the space, they enable efficient use of space without detracting from the transparency. The cubes can be flexibly configured, are highly soundproofed and have extremely functional equipment. As an option, the room systems can also be equipped with a self-contained electrical cooling unit as a plug-and-play solution, independent of the existing technology used in the building. That is why the Strähle Kubus won the Architecture + Office Innovation Award.

All functions at a glance

The room-in-room systems combine top-level design with technology, functionality and quality. That is what makes the Kubus systems so special. And it is also why the Kubus II won the Architecture + Office Innovation Award. The jury's explanation was: "All the technical elements are not just added, but are integrated almost invisibly into the Kubus system." All equipment features are available for both of the Kubus systems.

1 VENTILATION
Soundproofed ventilation and air extraction system with comfortable stepless operation up to 150 m³/h, intensive ventilation up to 210 m³/h

2 LIGHTING
LED pendant light with direct and indirect light distribution

3 SOUND INSULATION
The Kubus is highly soundproofed and is suitable for confidential meetings. Sound insulation values up to 32 / 37 / 42 dB (R'_w) depending on the design

4 COOLING
An optional cooling convector can be integrated into the sideboard and connected to the building's cold water network using a flow / return of 16 / 18 °C respectively.

5 CEILING PANELS
As an optional extra, the cooling can be operated independently on the ceiling, using an electrical cold-water exchanger without being connected to the building's own water system.



6 INDEPENDENT COOLING
The micro-perforated, highly soundproofed metal ceiling guarantees ideal room acoustics and enables safety equipment to be integrated.

7 WALL ABSORBERS
Thanks to the combination of wall and ceiling absorbers, excellent room acoustics without fluttering echoes and with reverberation times of < 0.5 s are achieved.

8 MODULAR WALL CONSTRUCTION
Kubus is a flexible room system and can be equipped with integrated whiteboards or shelf systems, for example.

9 MULTIFUNCTION DISPLAY
As an option, temperature, ventilation and light control can be handled by a touch display with intuitive user control and automatic mode.

10 STATICS
The Kubus system is statically approved and bears a certificate of structural stability.

Design

Kubus I – Single glazing

Kubus II – Double glazing

Design

Type

Micro

Dialog

Team

Meeting

Team

Meeting

Type

Description

A cosy micro space for phone calls or as a one-person space for undisturbed working. Its compact dimensions guarantee particularly efficient use of space in open-plan offices.

The room-in-room solution for two-person meetings or as a compact retreat area for working undisturbed. Thanks to the L-shape, it can be flexibly combined into groups of two or four.

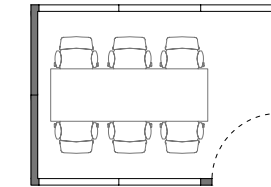
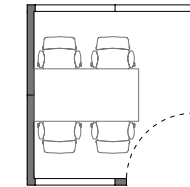
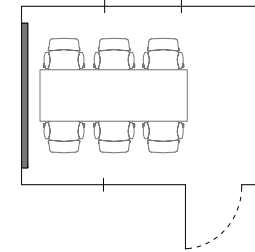
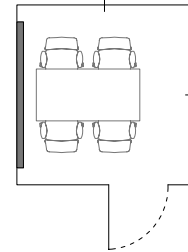
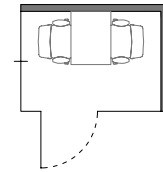
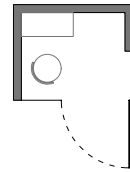
High-quality conference space as a free-standing solution in the office. The system features high transparency and a multifunction wall. The team version can be used by up to four people.

High-quality conference space as a free-standing solution in the office. The system features high transparency and a multifunction wall. The meeting version can be used by up to six people.

The elegant design with filigree visible widths, and flush-fit glazing on the outside, enables easy integration into a range of different office space concepts. Excellent sound insulation values and the integrated ventilation unit guarantee discretion and a high degree of working comfort. The team and meeting versions can be used by up to four and six people respectively.

Description

Layout



Layout

Illustration



Illustration

Persons

1

1-2

4

6

4

6

Persons

Dimensions

L: 1,500 mm
W: 1,200 mm
H: 2,300 mm

L: 2,200 mm
W: 1,600 mm
H: 2,300 mm

L: 2,706 mm (2 Modules)
W: 2,774 mm
H: 2,500 mm

L: 3,956 mm (3 Modules)
W: 2,774 mm
H: 2,500 mm

L: 2,684 mm (2 Modules)
W: 2,750 mm
H: 2,530 mm

L: 3,934 mm (3 Modules)
B: 2,750 mm
H: 2,530 mm

Dimensions

Glazing

Single glazing, 10 mm ESG

Single glazing, 10 mm ESG/16 mm VSG

Double glazing, 6 and 8 mm ESG

Glazing

Doors

All-glass door 10 mm ESG

10 mm all-glass door with floor seal/40 mm aluminium frame door with 12 mm SI laminated glass glazing

40 mm aluminium frame with 12 mm VSG-SI

Doors

Sound Isolation*

$D_{n,T,w}$ = approx. 28 dB (equivalent to R'_w of approx. 34 dB)

10 mm ESG: $D_{n,T,w}$ = 28 dB (equivalent to R'_w of approx. 34 dB)
16 mm VSG: $D_{n,T,w}$ = 32 dB (equivalent to R'_w of approx. 39 dB)

$D_{n,T,w}$ = 36 dB (equivalent to R'_w of approx. 42 dB)

Sound Isolation*

Acoustics

Micro-perforated ceiling panel and optional felt-covered wall panels

Micro-perforated ceiling panels and micro-perforated wall absorbers, low reverberation times of < 0.5 s over the entire frequency range

Acoustics

Ventilation

Air extraction device integrated into the system ceiling combined with flow duct, output in comfort mode 60 m³/h, max. output up to 120 m³/h

Ventilation and air extraction device integrated into the system ceiling, output in comfort mode up to 150 m³/h, intensive ventilation up to 210 m³/h

Ventilation

Equipment

Optional felt-covered walls, optional high-quality curtain for privacy

Wall panel for affixing screens, multiple power points in the wall panel

Wall panel for affixing screens, optional sideboard providing storage space with integrated power points

Equipment

Lighting

LED wall light and optional constant LED ambience lighting

Two pivoting built-in LED ceiling lights

LED pendant light with direct and indirect light distribution

Lighting

Standard version

Type A: Lighting + ventilation. On/off control via presence detector.

Standard version

Optional equipment

-

Type B: Lighting + ventilation. On/off and ventilation control via touch display, automatic mode via presence detector.
Type C: Lighting + ventilation + cooling for connection to the building's cold-water supply. On/off and ventilation control via touch display, automatic mode via presence detector.
Type Plus: Lighting + ventilation + cooling with a self-contained electrical cooling unit as a plug-and-play solution. On/off and ventilation control via touch display, automatic mode via presence detector.

Optional equipment

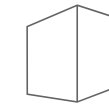
Subject to technical modifications.

* $D_{n,T,w}$ in contrast to the sound insulation value, this does not define the transfer of noise across a component, rather the transfer of noise between two rooms



Discretion with a maximum of transparency and openness.

The fully glazed Kubus enables transparent areas for retreat in expansive office spaces. The aluminium construction with single glazing flush-fit on the outside creates a clean, elegant appearance. At the same time the good sound insulation values and the integrated ventilation unit offer a high degree of work comfort. Whether a think tank or a conference room: Kubus I supports open-space concepts designed for spaciousness and transparency.



Kubus I

Team/Meeting

SINGLE GLAZING



DESIGN:

Fully glazed cube with aluminium supporting structure

DIMENSIONS:

Length: 2,706/3,956/5,206 mm

Width: 2,774 mm

Height: 2,500 mm

GLAZING:

10 mm toughened glass /
16 mm laminated glass

INNER SUPPORTS:

E6/EV1 aluminium support, 50 x 25 mm, structural stability certificate is available

DOORS:

GG 10: 10 mm all-glass door with floor seal, 34 dB $R_{w,p}$; AR 40: 40 mm aluminium frame door with 12 mm SI laminated glass glazing, 39 dB $R_{w,p}$

CEILING:

Micro-perforated double-shell metal cassette, RAL 9016 white

SOUND INSULATION:

10 mm toughened glass: $D_{n,T,w} = 28$ dB (equivalent to R'_w of approx. 34 dB)

16 mm laminated glass: $D_{n,T,w} = 32$ dB (equivalent to R'_w of approx. 39 dB)

VENTILATION:

Integrated combined ventilation and air extraction device, output of up to 210 m³/h

CONTROL:

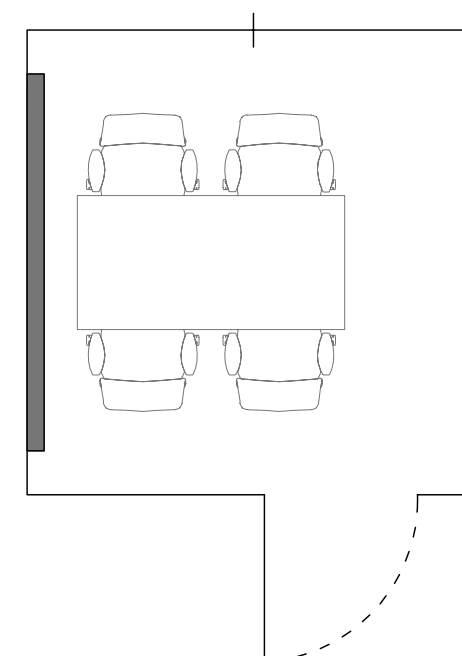
Multifunction touch display to control lighting and ventilation

COOLING (OPTIONAL) – KUBUS I C:

Cooling convector integrated into the sideboard for connection to the building's cold water network

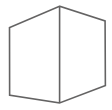
SELF-CONTAINED COOLING (OPTIONAL) – KUBUS I PLUS:

Independent electrical cooling element on the roof of the Kubus as a plug-and-play solution



Retreat area

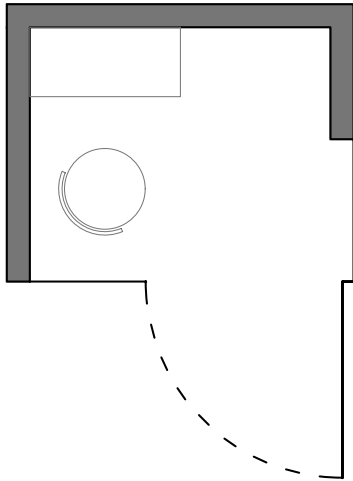
Kubus I Micro is the perfect retreat area in an open space. It can be used as an individual workplace where staff can really concentrate, or for making phone calls and holding video conferences undisturbed: Kubus can be used flexibly and provides good sound insulation. Wooden surfaces and the optional use of textiles provide for a cosy working atmosphere and pleasant room acoustics. Big functionality in a small space: Kubus I Micro has an integrated ventilation system, lighting and a presence detector as standard. It is also highly ergonomically designed. Its compact dimensions guarantee efficient use of space.



Kubus I

Micro

SINGLE GLAZING



DESIGN:

Combination of single glazing and double-shell solid wall design

DIMENSIONS:

Length: 1,500 mm

Width: 1,200 mm

Height: 2,300 mm

GLAZING:

10 mm single pane of toughened glass

DOORS:

All-glass door in 10 mm toughened glass

SOUND INSULATION:

$D_{n,T,w}$ = approx. 28 dB (equivalent to R'_w of approx. 34 dB)

VENTILATION:

Air extraction device integrated into the system ceiling combined with a flow duct, output up to 120 m³/h

LIGHTING:

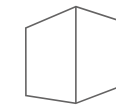
LED wall light and optional constant LED ambience lighting





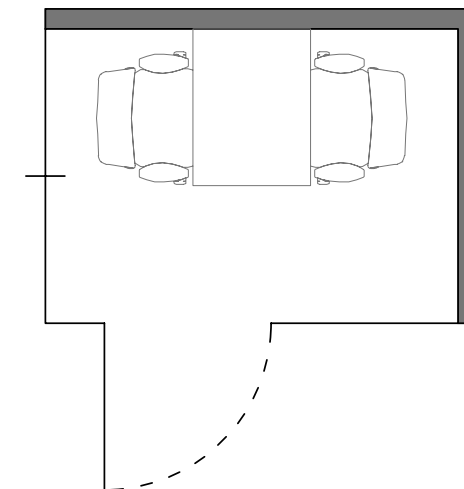
Efficient L-shape

Kubus I Dialog is an ideal room solution for concentrated working and meetings between two people. Its good sound insulation guarantees confidentiality, and the acoustically effective surfaces provide pleasant room acoustics. Kubus I Dialog is multifunctional: it can be optionally equipped with monitors and data cables to make it a multimedia or video-conference room. Thanks to its L-shape, the room system can be mirrored simply and combined into groups of two or four. Like all Kubus variants, Kubus I Dialog impresses with its short assembly times, and it is optically compatible with all Strähle partition wall and acoustic systems.



Kubus I Dialog

SINGLE GLAZING



DESIGN:

Combination of single glazing and double-shell solid wall design

DIMENSIONS:

Length: 2,200 mm

Width: 1,600 mm

Height: 2,300 mm

GLAZING:

10 mm single pane of toughened glass

DOORS:

All-glass door in 10 mm toughened glass

SOUND INSULATION:

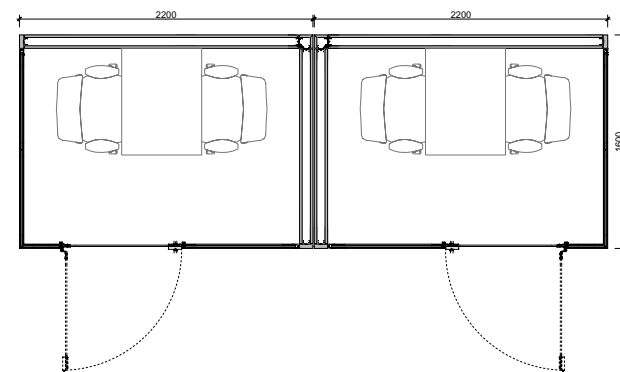
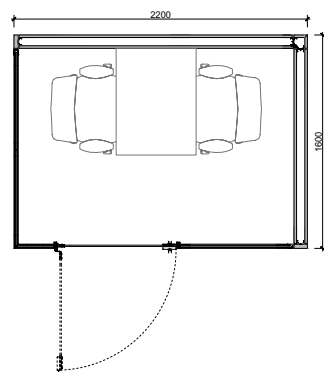
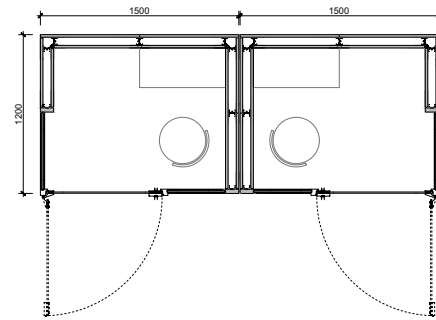
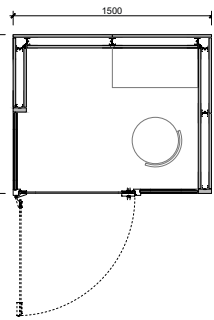
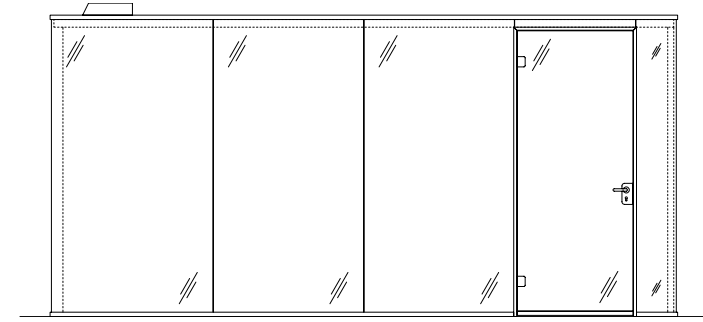
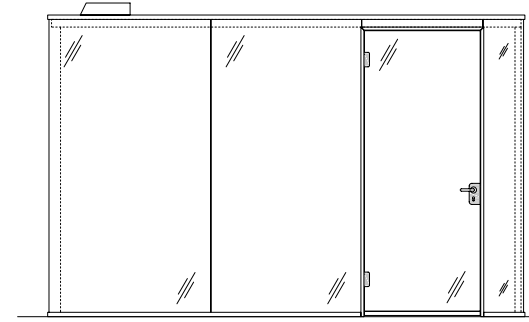
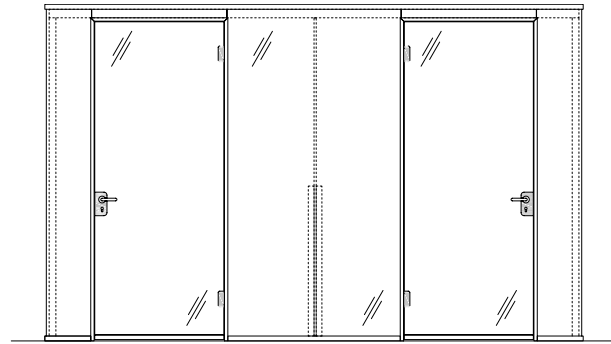
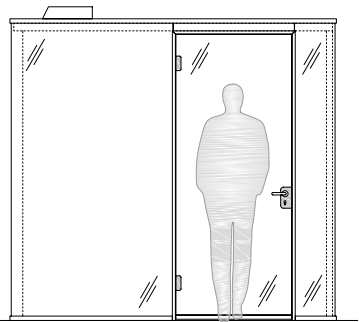
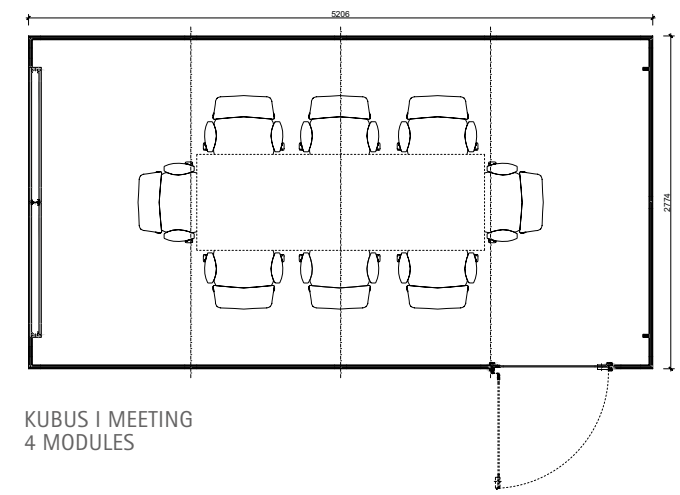
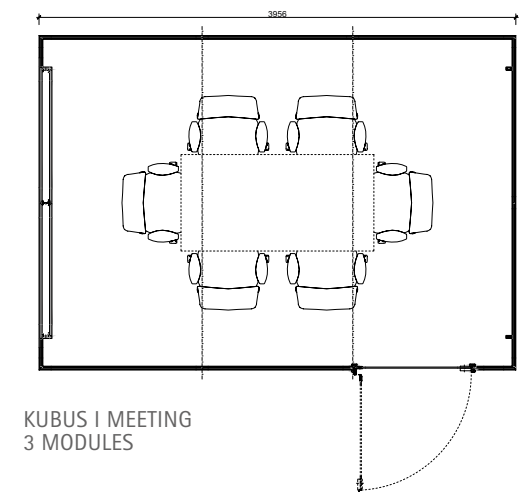
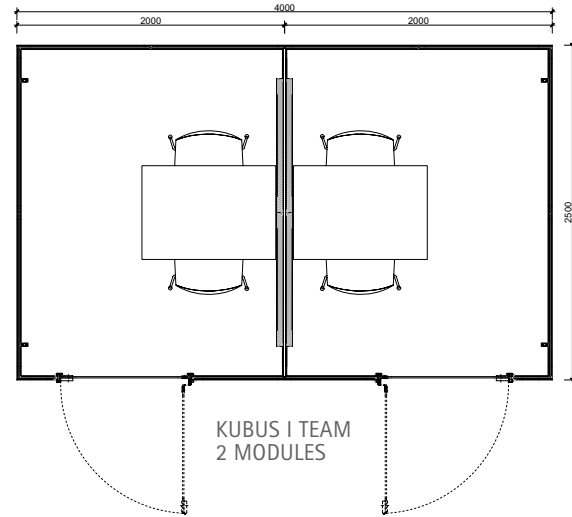
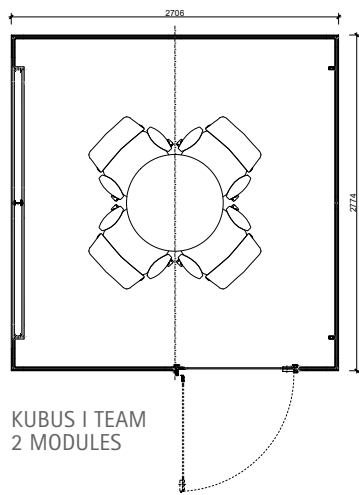
$D_{n,T,w} = 28$ dB (equivalent to R'_{w} of approx. 34 dB)

VENTILATION:

Air extraction device integrated into the system ceiling combined with a flow duct, output up to 120 m³/h

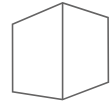
LIGHTING:

Two pivoting built-in LED ceiling lights



WIDE VARIETY OF USES.
Kubus I can be configured in the versions: Micro, Dialog, Team and Meeting.





Kubus II

Team/Meeting

DOUBLE GLAZING



DESIGN:

Modular room-in-room system with double glazing

DIMENSIONS:

Lengths: 2,684 / 3,934 / 5,184 mm
Grid dimension for glazed elements: 1,250 mm

Width: 2,750 mm

Height: 2,530 mm

SOLID WALL:

System 2000 with integrated acoustic elements

GLAZING:

6 and 8 mm toughened glass

SOUND INSULATION:

Norm sound level difference $D_{n,T,w} = 36$ dB (corresponds to a sound insulation value of $R'_w = 42$ dB)

STABILITY:

Structural stability certificate available

VENTILATION:

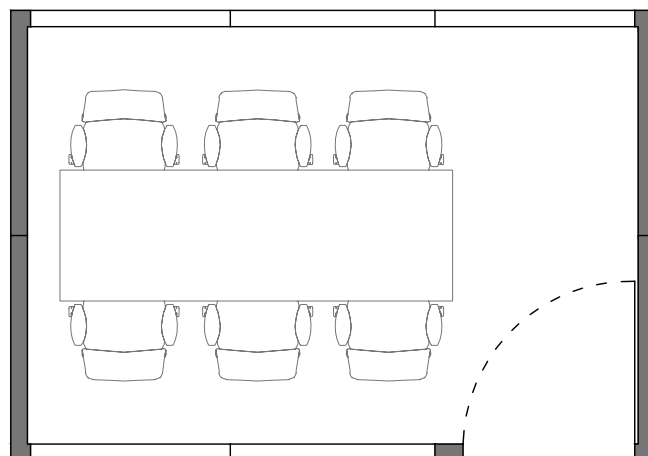
Integrated combined ventilation and air extraction device, output of up to 210 m³/h

COOLING (OPTIONAL) – KUBUS II C:

Comfort cooling device integrated in side-board for connection to the building's cold water network

INDEPENDENT COOLING (OPTIONAL) – KUBUS II C:

Independent electrical cooling unit as plug-and-play solution

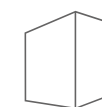


Glass think tank.

The Kubus II room-in-room system meets the highest standards of aesthetics and functionality. The elegant architecture with filigree visible widths, and flush-fit glazing on the outside, can be easily integrated into a range of different office space concepts. Excellent sound insulation values up to $D_{n,T,w} = 36$ dB (equivalent to a sound insulation value $R'_w = 42$ dB) guarantee a concentrated work climate. Noises from and to the exterior are shielded. In the middle of the day-to-day hustle and bustle of the office, the highly sound-insulated Kubus II stands in the open space like an island.



Kubus II-T is a highly soundproofed wood-glass Kubus based on the successful Kubus II design. The high-quality and stylish aesthetic of the wood mullion/transom construction of System T is achieved using the contrast between the wooden surfaces and the glazing. The flush-fit glazing and the narrow visible width of the laminated wood mullion substructure contribute to the elegant design. By using wood as a CO₂-neutral building material, this Kubus variant supports sustainable architectural concepts.



Kubus II – T

Team/Meeting

MULLION/TRANSOM CONSTRUCTION

DESIGN:

Modular cube with double glazing in wood / glass look

DIMENSIONS:

Lengths: 2,684 / 3,934 / 5,184 mm;

Width: 2,750 mm;

Height: 2,530 mm

WALL THICKNESS:

100 mm

GLAZING:

6 and 8 mm toughened glass

DOOR:

64 mm solid door or 10 mm all-glass door

($R_{w,P}$ 37 / 32 dB)

SOUND INSULATION:

Norm sound level difference $D_{n,T,w}$ = 36 dB

(equivalent to R'_{w} = 42 dB)

ROOM ACOUSTICS:

Micro-perforated absorber integrated in solid wall and ceiling

CONTROL:

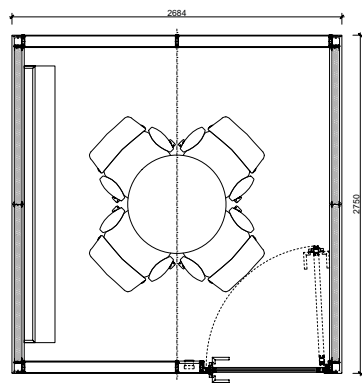
Touch display to control lighting and ventilation (optional cooling)

VENTILATION:

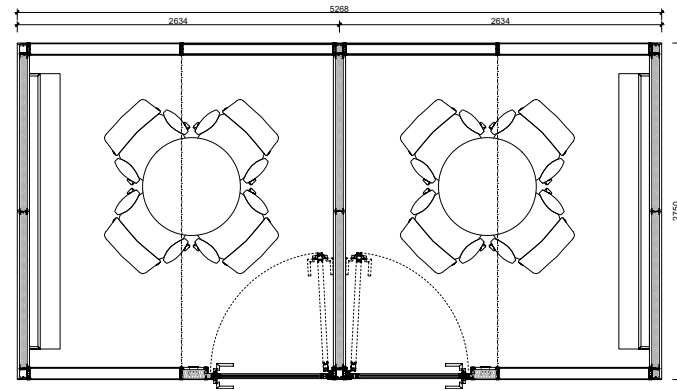
Adjustable comfortable operation up to 210 m³/h, integrated in system ceiling

COOLING (OPTIONAL):

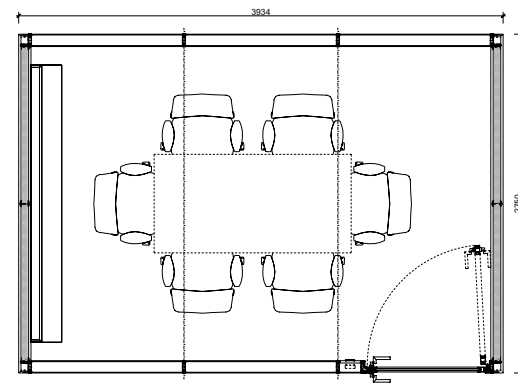
Comfort cooling device in sideboard for connection to the building's system or independent operation via electrical cold-water exchanger on Kubus ceiling



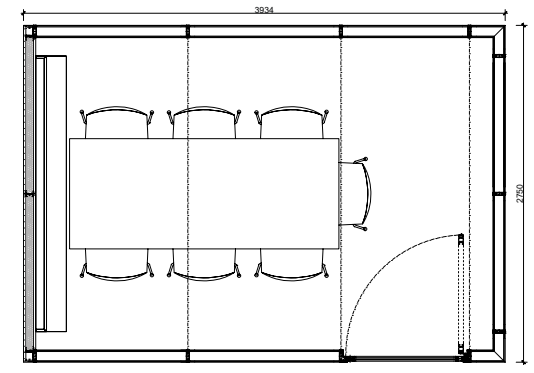
KUBUS II TEAM
2 MODULES



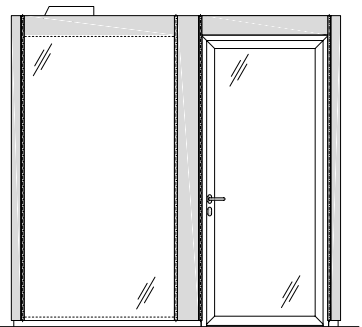
KUBUS II TEAM
2 MODULES



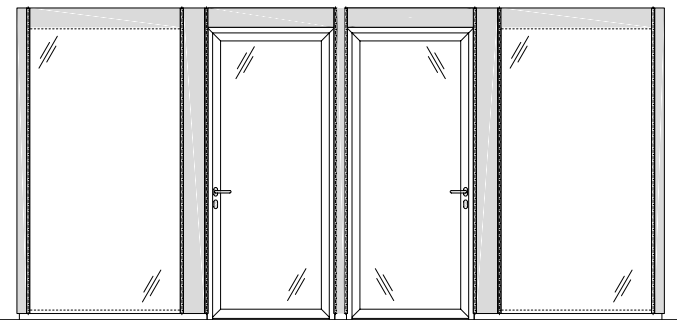
KUBUS II MEETING
3 MODULES



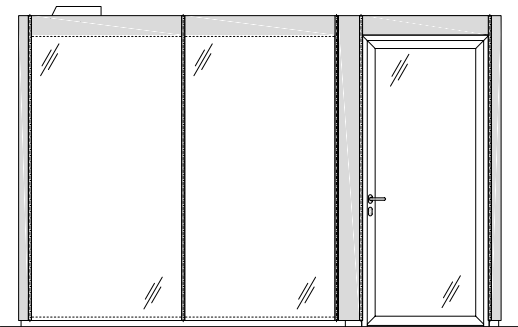
KUBUS II MEETING
3 MODULES
GLASS CORNERS



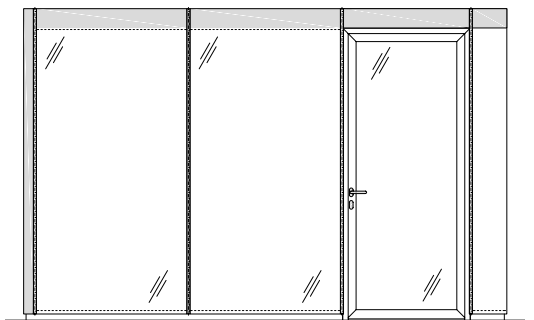
VIEW OF LONGITUDINAL WALL
FRONT



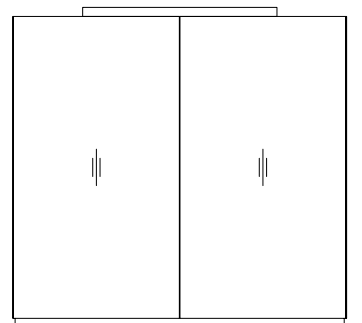
VIEW OF LONGITUDINAL WALL
FRONT



VIEW OF LONGITUDINAL WALL
FRONT



VIEW OF LONGITUDINAL WALL
FRONT
GLASS CORNERS



VIEW OF LONGITUDINAL WALL
BACK

MODULAR AND FLEXIBLE.
Kubus II can be
configured in Team
and Meeting
versions.





ACOUSTICS Concentration and discretion

In addition to the design quality, the Kubus models offer excellent sound insulation. Even in the single-glazed version, norm sound level differences of up to 32 dB can be achieved. The double-glazed Kubus II even achieves norm sound level differences of up to 36 dB (which correspond to a sound insulation value of $R'_{w,P} = 42$ dB). This means that the Kubus can be used for discreet meetings and for concentrated work, even in open-space offices. Thanks to the combination of wall and ceiling absorbers, ideal room acoustics without fluttering echoes and with low reverberation times of < 0.5 s are achieved.



INTERIOR CLIMATE Good atmosphere

The room-in-room systems provide a pleasant interior climate that can be regulated individually. The standard version of the Kubus is equipped with a ventilation and air extraction device with an output of 150 m³/h (intensive airing up to 210 m³/h) to ensure a supply of fresh air. This can be conveniently controlled via a multifunction touch display. As an optional extra, the Kubus can be equipped either with a comfort cooling device integrated in the sideboard for connection to the building's cold water network or with an independent electrical cooling device as a plug-and-play solution, irrespective of the existing technology used in the building.



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