



*ENOC*

PROTECT AND  
MAXIMIZE YOUR  
DATA CENTER  
INVESTMENT



EDITION  
JAN 25





# WELCOME TO ENDLESS OPPORTUNITIES AND FLEXIBLE SOLUTIONS – THE ENOC WAY

**Enoc focuses strongly on finding solutions and new opportunities in collaboration with its customers. This requires flexibility in both design, detail and manufacturing. Our business method has made us one of Scandinavia's leading manufacturers and suppliers of enclosures and accessories for computer network, data center and telecom installations.**

## **Details make the difference**

Enoc has a wide range of floor-standing enclosures in various sizes for server installations. Our server enclosures offer excellent value for money, and meet the requirements for different types of server room installation from both a technical and cost-effectiveness perspective. In addition, they are supplemented with a wide range of accessories. High production and delivery capacity are key factors in Enoc's operations. To ensure that we can always meet our promise to customers, we combine in-house production with a network of reliable subcontractors.

## **Starting with the customer's needs**

A cornerstone of Enoc's business concept is to take the customer's specific needs as a starting point. This philosophy is reflected in the whole supply and production chain, from design and marketing right through to sales. It is a deciding factor for many of our customers. Our flexibility in details and solutions makes Enoc a partner you can depend on.

## **THE ENOC WAY**

---

References	4	S1 CX Server enclosure	12	Enoc RX System	22
Special solutions	7	So1 Server enclosure	16	EPI Power distribution units	24
Data center solution	8	CT Cable tray system	18	ENOC Aisle Containment	28
S1 Server enclosure	10	Air control accessories	21	The entire supply chain	60



# ENOC IS A EUROPEAN SOLUTION PROVIDER THAT LISTENS TO YOUR NEEDS

At Enoc we have the knowledge and the experience to protect and maximize data center investments with solutions specially designed for their custom needs and requirements. We have a strong sales organisation with our own sales force and a network of partners throughout Europe. This enables us to provide excellent services and fast delivery worldwide. Below you can read about a few of our solutions with our customers.

## **Cibicom, Alcadon and Enoc in the perfect partnership**

For Cibicom, it's important to have a collaboration with both supplier and manufacturer. The collaboration between Cibicom, Alcadon and Enoc has been very enriching, and here at Enoc we have been able to successfully handle the changes that Cibicom wanted. The geographical proximity has also been a benefit, meaning that we could minimize our CO2 footprint during manufacturing and transportation. Being able to ensure a good, safe working environment is another thing that Cibicom considered when selecting a supplier. Together, we have developed a data center solution with air control for separated cold and hot air.

Cibicom is a Danish independent network operator and Internet Service Provider (ISP). The company provides solutions and services for mission-critical communications to, among others, the Danish Coastal Radio, the Danish Defence and infrastructure for telecommunications operators.

Alcadon is a leading Swedish supplier of data and telecommunications products in the Nordic region. The company develops products, solutions and systems within data communications and network infrastructure.

“Enoc racks are of high quality and offer a number of product benefits that are truly outstanding. The racks have a stable aluminium frame and can stand directly on the

floor, with a good weight distribution to prevent overloading of the floor structure. And the racks have a stylish finish, of course. No sharp edges to cut yourself on and a door that is fully integrated.”

## **Successful project in collaboration with Bahnhof**

Bahnhof is a Swedish provider of internet broadband services, including IP telephony and IPTV. Bahnhof also operates data centers. The company offers fast and secure internet services, cloud services and colocation worldwide.

Together, we created a data center solution with efficient cooling and low energy consumption. The videos show some of the benefits of hiring a Swedish supplier with a focus on solutions and details that make a difference to the result.

At Enoc, we have the expertise to deliver complete data center solutions to protect your investment. We create an infrastructure that is both flexible and space saving. With our special cold and hot corridors, ceilings, sliding wall sections, doors and chimneys, we create the best Aisle containment solutions for your needs. We also have lots of accessories, from smart locking systems to special PDUs, offering maximum functionality and availability with high security.



Aisle Containment at Cibicom





## SPECIAL SOLUTIONS FOR SPECIAL DEMANDS – THE ENOC WAY

Focusing on our customer's specific needs is central in our product development, and having an eye for detail and technical design. At Enoc we are committed to finding the solution that best fits you. That is what we call "The Enoc Way".

### Smart chimney solutions

A unique and space-saving cooling concept with chimneys on top of the enclosures that are designed to separate cold and hot air zones. At Enoc we have the technical expertise required to offer all types of cooling concept to improve efficiency in data centers.

### Lock system adapted for custom needs

Electric locks for connection to the building's access control system, locking handle for mounting of different types of smart lock cylinders.

### Special PDU:s for special demands

If our standard PDU:s don't fit your requirements we can offer PDU:s with special configurations. Outlets – C13, C19, Schuko, French – are available in any quantity. Inlets, from 1-phase 10A C14 to 3x32A IEC. Functions, from switchable high end PDU:s to basic PDU:s with a built-in ampere meter.

### Freestanding Aisle Containment, HAC

Complete and customized corridor solutions to fit into different types of server rooms. Flexible solutions and quick installation. Contact us for more information.



### Special corridor solutions

Our special corridor solutions can fit into different types of server rooms with low ceilings, roof sections and various types of enclosures heights.



# INCREASE ENERGY EFFICIENCY AND PROTECTION STANDARD OR CUSTOM-FITTED



## ENOC RX SYSTEM

Open rack system, two-post and four-post, available freestanding or wall mounted.

**See pages: 22–23**



## FORM AND FUNCTION WITH ENOC ENCLOSURES

A stepless assembly system (S1, So1 or S1 CX) easily supports your equipment, in exactly the spot you want it. With the option of off-centre positioning, you can create plenty of space, where you need it. The racks are built with aluminium profiles and support up to 1500 kilos.

**See pages: 10–17**



## ENOC AISLE CONTAINMENT

Optimize your data center investment.

**See pages: 28-61**



## RELIABLE PDU:s, LOCAL OR REMOTE MONITORING

Our range of PDU:s (EPI serie), can be used alone as reliable power distribution units without any monitoring functionality. They can also be fitted with a monitoring module (EPI MM) for local and remote monitoring through TCP/IP.

**See pages: 24-27**



## CABLE TRAY SYSTEM

A wide range of cable management products that meet your different needs.

**See pages: 18-20**



# S1 SERVER ENCLOSURE

## PREMIUM SERVER RACKS WITH OPTIMAL FLEXIBILITY AND STABILITY

Enoc S1 is a series of premium server racks with optimal flexibility and stability to protect and organize your IT equipment. Upgraded design to make it even easier to assemble, disassemble and reassemble. Built with aluminium profiles with diecast zinc corners. High load capacity up to 1500 kilos. The Enoc stepless assembly system is designed to make it easier to place the equipment exactly where you want it. The S1 is assembled with screws that ensure a quick and cost-effective installation. It can be adapted as your business grows and changes. With the option of off-centre positioning, you can create plenty of space where you need it. A large space on both sides, or an extra large space on one side.

### TECHNICAL INFORMATION

- Screw-assembled frame with aluminium profiles and diecast zinc corners. The frame has two integrated vertical screw pockets in each corner profile for universal mounting of accessories.
- Frame can be dismantled by means of screws.
- Finish: textured black RAL 9005 or white RAL 9003.
- Ingress protection class IP20.
- Maximum static load 1500 kg, divided on 4 19" profiles.
- 1 central earthing point M5 in left rear corner post.
- The 19" profiles can be steplessly repositioned through the depth of the enclosure. The depth profiles have markings for precise positioning and are numbered in height units. The whole assembly can be moved right or left to an off-centre position (800 mm width).

Enclosures have two pairs of 19" profiles. One pair is pre-installed at a depth of 100 mm from the front of the enclosure and the other pair is pre-installed 600 mm further in 800 mm depth and 740 mm further in 1000 and 1200 mm depth.

#### Front door and back door

- Front and rear door is made of 1 mm perforated sheet steel built into an aluminium frame. 85% perforation (hexagonal) on perforated surface area. LS 95 ergonomic locking handle with C101 safety cylinder. Can be adapted for other lock systems. Integrated quick lock system allows door to be removed without use of tools. Door opening angle >180° in single enclosure configuration. Righthinged, possibility to left hanging.

#### Side panels

- Sheet steel side panels, easy to detach and lockable from inside.

#### Top panels

- The top consists of replaceable modular panels. Two panels has cable glands with brush-strip on the left and right side rear and the rest are cover plates. Can be replaced with ventilation panels, fan packages or panels with integrated cable glands. All modules can be rotated 90°. The U-shaped panel with integrated cable glands makes it easy to move pre-existing installations into the enclosure.

#### Bottom

- The base is open, but can be fitted with cover plate/base plate packages.

### TECHNICAL DATA - S1 BLACK

NAME	ART. NO.	E NUMBER	WxDxH (mm)	HU	COLOR
S1 61012-S	56214	2500684	600 x 1000 x 1200	24	BLACK
S1 81012-S	56219	2500685	800 x 1000 x 1200	24	BLACK
S1 61020-S	56254	2500686	600 x 1000 x 2000	42	BLACK
S1 61220-S	56255	2500687	600 x 1200 x 2000	42	BLACK
S1 81020-S	56259	2500688	800 x 1000 x 2000	42	BLACK
S1 81220-S	56260	2500689	800 x 1200 x 2000	42	BLACK
S1 61022-S	56264	2500690	600 x 1000 x 2200	47	BLACK
S1 61222-S	56265	2500691	600 x 1200 x 2200	47	BLACK
S1 81022-S	56269	2500692	800 x 1000 x 2200	47	BLACK
S1 81222-S	56270	2500693	800 x 1200 x 2200	47	BLACK
S1 6820-S	56252	2503793	600 x 800 x 2000	42	BLACK
S1 6822-S	56262	2503794	600 x 800 x 2200	47	BLACK
S1 8820-S	56257	2503676	800 x 800 x 2000	42	BLACK
S1 8822-S	56267	2503677	800 x 800 x 2200	47	BLACK

### TECHNICAL DATA - S1 WHITE

NAME	ART. NO.	E NUMBER	WxDxH (mm)	HU	COLOR
S1 61020-V	58114	2503785	600 x 1000 x 2000	42	WHITE
S1 61220-V	58115	2503786	600 x 1200 x 2000	42	WHITE
S1 61022-V	58124	2503787	600 x 1000 x 2200	47	WHITE
S1 61222-V	58125	2503788	600 x 1200 x 2200	47	WHITE
S1 81020-V	58119	2503789	800 x 1000 x 2000	42	WHITE
S1 81220-V	58120	2503790	800 x 1200 x 2000	42	WHITE
S1 81022-V	58129	2503791	800 x 1000 x 2200	47	WHITE
S1 81222-V	58130	2503792	800 x 1200 x 2200	47	WHITE



#### SIZES

---

Height: 24, 42 & 47HU  
Width: 600 & 800 mm  
Depth: 800, 1000 & 1200 mm  
Other sizes available on request

#### QUALITY

---

Maximum static load 1500 kg,  
divided on four 19" profiles.  
Made of aluminium profiles.  
Concealed screws.

#### COLOR

---

Black RAL 9005 &  
White RAL 9003.  
Other RAL-colors  
on request.

#### EASY ASSEMBLY

---

Easy to assemble,  
dismantle & reassemble.



# S1 CX SERVER ENCLOSURE

## THE PERFECT SOLUTION FOR COLOCATION SETUPS

The new Enoc S1 CX is a series of server enclosures built to optimize and increase security in colocation or data centers. Each cabinet can be built with 2, 3 or 4 compartments, separated by a shelf. It is built with the Enoc S1 frame which means the same stability and interior design and all standard accessories will fit. The S1 CX is assembled with screws ensuring a quick and cost effective installation. At Enoc we are committed to finding the solution that best fits you. That is what we call “The Enoc Way”.

### TECHNICAL INFORMATION

---

- 2000 and 2200 mm high enclosure in 2, 3 or 4 compartments. Possible with more compartments on request.
- S1 standard frame. Built with aluminium profiles and supports up to 1500 kg, divided on four 19" profiles.
- Screw-assembled frame with aluminium profiles and die-cast zinc corners. The frame has two integrated vertical screw pockets in each corner profile for universal mounting of accessories.
- Finish: textured black RAL 9005 and white RAL 9003.
- Ingress protection class IP20.
- Frame can be dismantled by means of screws.
- The 19" profiles can be steplessly repositioned through the depth of the enclosure. The depth profiles have markings for precise

positioning and are numbered in height units. All enclosures have two pairs of 19" profiles for each compartment. One pair is pre-installed at a depth of 100 mm from the front of the enclosure and the other pair is pre-installed 740 mm further in.

- 1 central earthing point M5 in left rear corner post.

#### Front door and back door

- Front and rear door is made of 1 mm perforated sheet steel built into an aluminium frame. 85% perforation (hexagonal) on perforated surface area. LS 95 ergonomic locking handle with C101 safety cylinder. Can be adapted for other lock systems. Integrated quick lock system allows door to be removed without use of tools. Door opening angle >180° in single enclosure configuration. Righthinged, possibility to left hanging.

#### Side panels

- Sheet steel side panels, easy to detach, lockable from inside and from more than one compartment.

#### Top panels

- The top consists of replaceable modular panels. Two panels has cable glands with brush-strip on the left and right side rear and the rest are cover plates. Can be replaced with ventilation panels, fan packages or panels with integrated cable glands. All modules can be rotated 90°. The U-shaped panel with integrated cable glands makes it easy to move pre-existing installations into the enclosure.

#### Bottom

- The base is open, but can be fitted with cover plate/base plate packages.



#### SIZES

---

Height: 2000 & 2200 mm  
Width: 600 & 800 mm  
Depth: 1000 & 1200 mm

#### SECURITY

---

Locking system ensures access for authorised staff only.

#### COMPARTMENTS

---

2, 3 or 4 compartments. Possible with more compartments on request.

#### QUALITY

---

1500 kg, divided on four 19" profiles. S1 standard frame. Made of aluminium profiles. Concealed screws.

**TECHNICAL DATA - S1 C2**

NAME	ART. NO.	E NUMBER	W x D x H (mm)	REMARK	COLOR
S1 C2 61020-V	58161	2508130	600 x 1000 x 2000	2 x 20 HU	WHITE
S1 C2 81020-V	58166	2508131	800 x 1000 x 2000	2 x 20 HU	WHITE
S1 C2 612220-V	58171	2508132	600 x 1200 x 2000	2 x 20 HU	WHITE
S1 C2 81220-V	58176	2508282	800 x 1200 x 2000	2 x 20 HU	WHITE
S1 C2 61022-V	58181	2508283	600 x 1000 x 2200	2 x 22 HU	WHITE
S1 C2 81022-V	58186	2508286	800 x 1000 x 2200	2 x 22 HU	WHITE
S1 C2 61222-V	58191	2508284	600 x 1200 x 2200	2 x 22 HU	WHITE
S1 C2 81222-V	58196	2508285	800 x 1200 x 2200	2 x 22 HU	WHITE
S1 C2 61020-S	57301	2501443	600 x 1000 x 2000	2 x 20 HU	BLACK
S1 C2 81020-S	57306	2501446	800 x 1000 x 2000	2 x 20 HU	BLACK
S1 C2 61220-S	57311	2501449	600 x 1200 x 2000	2 x 20 HU	BLACK
S1 C2 81220-S	57316	2501452	800 x 1200 x 2000	2 x 20 HU	BLACK
S1 C2 61022-S	57321	2501455	600 x 1000 x 2200	2 x 22 HU	BLACK
S1 C2 81022-S	57326	2501458	800 x 1000 x 2200	2 x 22 HU	BLACK
S1 C2 61222-S	57331	2501461	600 x 1200 x 2200	2 x 22 HU	BLACK
S1 C2 81222-S	57336	2501464	800 x 1200 x 2200	2 x 22 HU	BLACK

**TECHNICAL DATA - S1 C3**

NAME	ART. NO.	E NUMBER	W x D x H (mm)	REMARK	COLOR
S1 C3 61020-V	58162	2508287	600 x 1000 x 2000	3 x 12 HU	WHITE
S1 C3 81020-V	58167	2508288	800 x 1000 x 2000	3 x 12 HU	WHITE
S1 C3 61220-V	58172	2508289	600 x 1200 x 2000	3 x 12 HU	WHITE
S1 C3 81220-V	58177	2508290	800 x 1200 x 2000	3 x 12 HU	WHITE
S1 C3 61022-V	58182	2508291	600 x 1000 x 2200	3 x 14 HU	WHITE
S1 C3 81022-V	58187	2508292	800 x 1000 x 2200	3 x 14 HU	WHITE
S1 C3 61222-V	58192	2508293	600 x 1200 x 2200	3 x 14 HU	WHITE
S1 C3 81222-V	58197	2508294	800 x 1200 x 2200	3 x 14 HU	WHITE
S1 C3 61020-S	57302	2501444	600 x 1000 x 2000	3 x 12 HU	BLACK
S1 C3 81020-S	57307	2501447	800 x 1000 x 2000	3 x 12 HU	BLACK
S1 C3 61220-S	57312	2501450	600 x 1200 x 2000	3 x 12 HU	BLACK
S1 C3 81220-S	57317	2501453	800 x 1200 x 2000	3 x 12 HU	BLACK
S1 C3 61022-S	57322	2501456	600 x 1000 x 2200	3 x 14 HU	BLACK
S1 C3 81022-S	57327	2501459	800 x 1000 x 2200	3 x 14 HU	BLACK
S1 C3 61222-S	57332	2501462	600 x 1200 x 2200	3 x 14 HU	BLACK
S1 C3 81222-S	57337	2501465	800 x 1200 x 2200	3 x 14 HU	BLACK

**TECHNICAL DATA - S1 C4**

NAME	ART. NO.	E NUMBER	W x D x H (mm)	REMARK	COLOR
S1 C4 61020-V	58163	2508295	600 x 1000 x 2000	4 x 9 HU	WHITE
S1 C4 81020-V	58168	2508296	800 x 1000 x 2000	4 x 9 HU	WHITE
S1 C4 61220-V	58173	2508297	600 x 1200 x 2000	4 x 9 HU	WHITE
S1 C4 81220-V	58178	2508298	800 x 1200 x 2000	4 x 9 HU	WHITE
S1 C4 61022-V	58183	2508299	600 x 1000 x 2200	4 x 10 HU	WHITE
S1 C4 81022-V	58188	2508300	800 x 1000 x 2200	4 x 10 HU	WHITE
S1 C4 61222-V	58193	2508301	600 x 1200 x 2200	4 x 10 HU	WHITE
S1 C4 81222-V	58198	2508302	800 x 1200 x 2200	4 x 10 HU	WHITE
S1 C4 61020-S	57303	2501445	600 x 1000 x 2000	4 x 9 HU	BLACK
S1 C4 81020-S	57308	2501448	800 x 1000 x 2000	4 x 9 HU	BLACK
S1 C4 61220-S	57313	2501451	600 x 1200 x 2000	4 x 9 HU	BLACK
S1 C4 81220-S	57318	2501454	800 x 1200 x 2000	4 x 9 HU	BLACK
S1 C4 61022-S	57323	2501457	600 x 1000 x 2200	4 x 10 HU	BLACK
S1 C4 81022-S	57328	2501460	800 x 1000 x 2200	4 x 10 HU	BLACK

S1 C2 • 2 compartments

---



View of inner framework

S1 C3 • 3 compartments

---



View of inner framework

S1 C4 • 4 compartments

---



View of inner framework



# So1 OPEN SERVER FRAME

## EASY ACCESS AND PLENTY OF OPEN SPACE

Enoc So1 is a series of open frame server-racks without sides or doors. Perfect for applications that don't require physical security. The So1 has a stable interior that supports loads up to 1500 kilos. The Enoc stepless assembly system is designed to make it easy to place the equipment exactly where you want it. The frame is assembled with nothing but screws, making it easy to assemble, dismantle and reassemble. The So1 can be adapted as your business grows and changes. The So1:s rounded corners give a nice sleek look. The concealed screws and aluminium profiles contribute to a streamlined appearance. With the option of off-centre positioning, you can create plenty of space where you need it. A large space on both sides, or an extra large space on one side.

### TECHNICAL INFORMATION

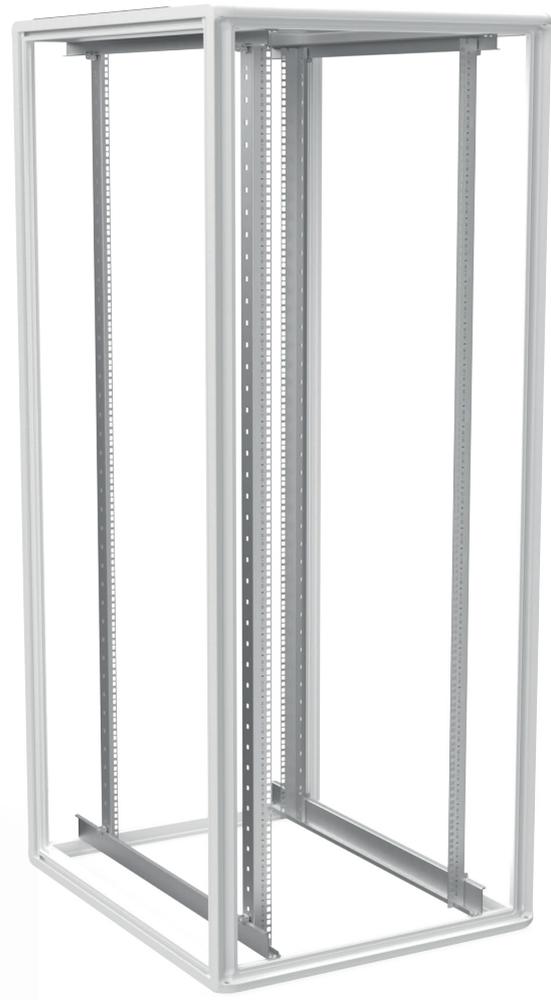
- Screw-assembled frame with aluminium profiles and die-cast zinc corners. The frame has two integrated vertical screw pockets in each corner profile for universal mounting of accessories.
  - Frame can be dismantled by means of screws.
  - Finish: textured black RAL 9005 and white RAL 9003.
  - Ingress protection class IP20.
  - Maximum static load 1500 kg, divided on 4 19" profiles.
  - The 19" profiles can be steplessly repositioned through the depth of the enclosure. The depth profiles have markings for precise positioning and are numbered in height units. The whole assembly can be moved right or left to an off-centre position (800 mm width). Enclosures have two pairs of 19" profiles. One pair is pre-installed at a depth of 100 mm from the front of the enclosure and the other pair is pre-installed 600 mm further in 800 mm depth and 740 mm further in 1000 and 1200 mm depth.
  - 1 central earthing point M5 in left rear corner post.
- Open frame**
- So1-frame has no doors or side panels. Can be supplemented with doors and side panels from our range of accessories.
- Top panels**
- The top consists of replaceable modular panels. Two panels has cable glands with brush-strip on the left and right side rear and the rest are cover plates. Can be replaced with ventilation panels, fan packages or panels with integrated cable glands. All modules can be rotated 90°. The U-shaped panel with integrated cable glands makes it easy to move pre-existing installations into the enclosure.
- Bottom**
- The base is open, but can be fitted with cover plate/base plate packages.

### TECHNICAL DATA - SO1 BLACK

NAME	ART. NO.	E NUMBER	WxDxH (mm)	HU	COLOR
So1 61012-S	56314	2500694	600 x 1000 x 1200	24	BLACK
So1 81012-S	56319	2500695	800 x 1000 x 1200	24	BLACK
So1 61020-S	56354	2500696	600 x 1000 x 2000	42	BLACK
So1 61220-S	56355	2500697	600 x 1200 x 2000	42	BLACK
So1 8820-S	56357	2504191	800 x 800 x 2000	42	BLACK
So1 81020-S	56359	2500698	800 x 1000 x 2000	42	BLACK
So1 81220-S	56360	2500699	800 x 1200 x 2000	42	BLACK
So1 61022-S	56364	2500700	600 x 1000 x 2200	47	BLACK
So1 61222-S	56365	2500701	600 x 1200 x 2200	47	BLACK
So1 8822-S	56367	2504192	800 x 800 x 2200	47	BLACK
So1 81022-S	56369	2500702	800 x 1000 x 2200	47	BLACK
So1 81222-S	56370	2500703	800 x 1200 x 2200	47	BLACK

## TECHNICAL DATA - SO1 WHITE

NAME	ART. NO.	E NUMBER	WxDxH (mm)	HU	COLOR
So1 61012-V	58134	2508358	600 x 1000 x 1200	24	WHITE
So1 81012-V	58139	2508359	800 x 1000 x 1200	24	WHITE
So1 61020-V	58144	2508360	600 x 1000 x 2000	42	WHITE
So1 61220-V	58145	2508361	600 x 1200 x 2000	42	WHITE
So1 8820-V	58147	2508362	800 x 800 x 2000	42	WHITE
So1 81020-V	58149	2508363	800 x 1000 x 2000	42	WHITE
So1 81220-V	58150	2508364	800 x 1200 x 2000	42	WHITE
So1 61022-V	58154	2508365	600 x 1000 x 2200	47	WHITE
So1 61222-V	58155	2508366	600 x 1200 x 2200	47	WHITE
So1 8822-V	58157	2508367	800 x 800 x 2200	47	WHITE
So1 81022-V	58159	2508368	800 x 1000 x 2200	47	WHITE
So1 81222-V	58160	2508369	800 x 1200 x 2200	47	WHITE



### SIZES

Height: 24, 42 & 47HU  
 Width: 600 & 800 mm  
 Depth: 800, 1000 & 1200 mm  
 Other sizes available on request.

### QUALITY

Maximum static load 1500 kg,  
 divided on four 19" profiles.  
 Made of aluminium profiles.  
 Concealed screws.

### COLOR

Black RAL 9005 &  
 White RAL 9003.  
 Other RAL-colors  
 on request.

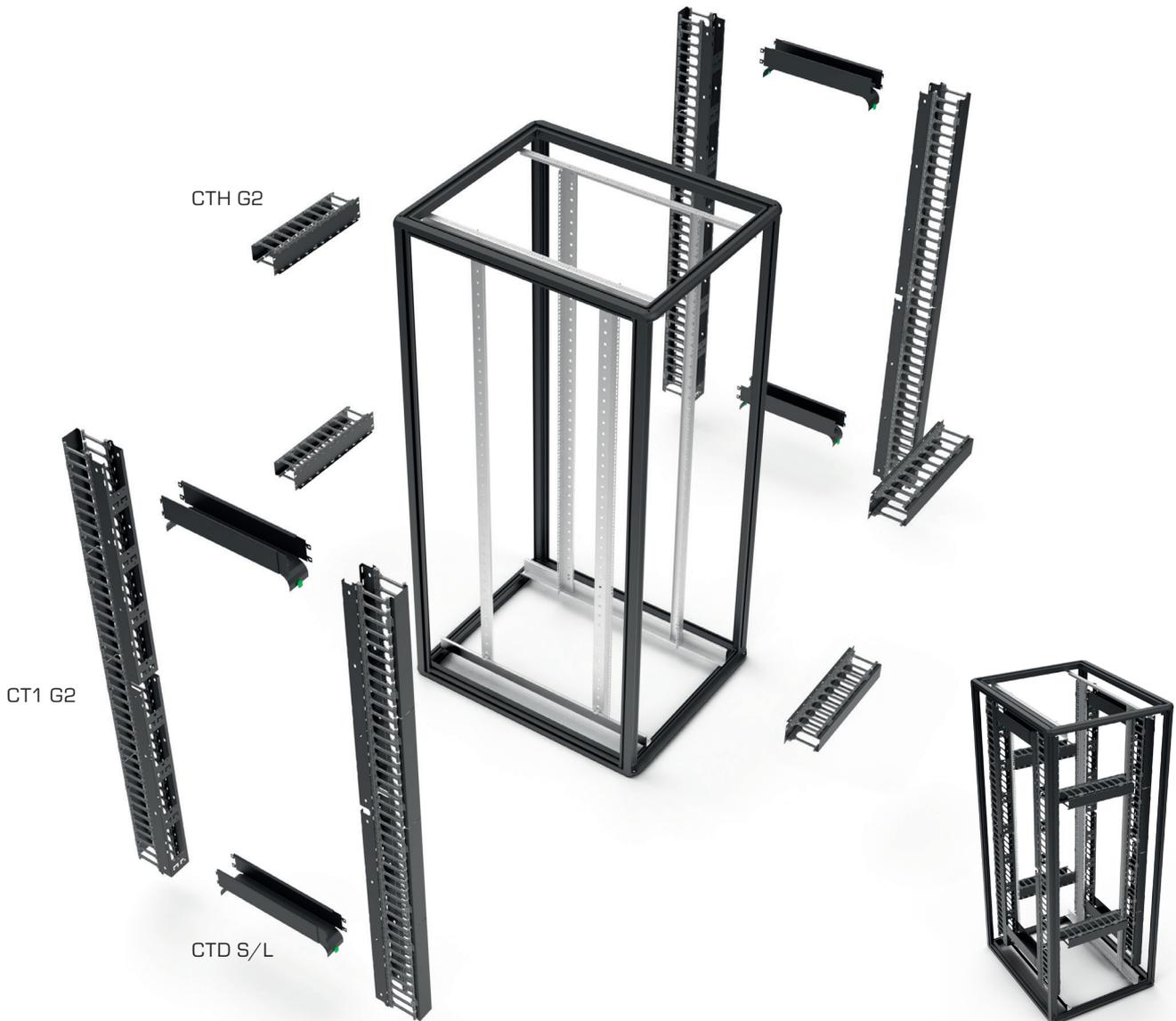
### EASY ACCESS

Open frame ensures  
 easy access.



## CT CABLE TRAY SYSTEM, GENERATION 2

We are introducing an updated range of our popular CT1, CT3 and CT5 products. Generation 2 comes with a new lid and hinge. More sizes, 21 and 26 HU version, besides existing 42 and 47 HU versions. 42 and 47 HU sizes are now divided into 2 pcs for easier transport and storage.



### THE ENOC CABLE TRAY SYSTEM MEETS YOUR DIFFERENT NEEDS

**CT1 G2** Cable Tray Vertical with premium functions and possibilities.

**CT3 G2** Cable Tray Vertical with standard functions, delivered as a pair.

**CT5 G2** Cable guide without tray, delivered as a pair.

**CTH G2** Cable Tray Horizontal. 19" 2HU cable tray.

**CTD S** Cable Tray Depth, size small. For supporting cables in the depth direction.

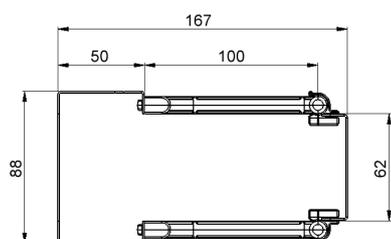
**CTD L** Cable Tray Depth, size large. For supporting cables in the depth direction.



### PREMIUM - CT1 G2

High end vertical cable tray. Fits on the left and right side of the 19" profile in F1, S1 and F3 cabinets.

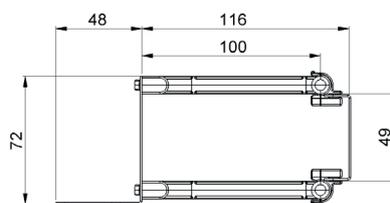
- Metal tray with plastic fingers and metal lid.
- Available in 21, 26, 42 HU and 47 HU version.
- 21, 26 HU version with 2 lids and 42, 47 HU version with 4 lids.
- Lids are hinged both left and right. They can also be removed completely.
- Back of tray have openings for cables going in the depth direction. It is also equipped with holes for cable holders.
- 42 and 47 HU versions are divided into 2 parts, which can be placed individually.
- Possible to fit CTD S/L in the back of the tray.
- KM cagenut fixing (not included).
- Delivered 1 pc.



### STANDARD - CT3 G2

Standard vertical cable tray. Fits on the left and right side of the 19" profile in F1, S1 and F3 cabinets.

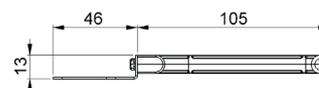
- Metal tray with plastic fingers and metal lid.
- Available in 21 and 42 HU version.
- 21 HU version with 1 lid and 42 HU version with 2 lids.
- Lid is hinged on both left and right. It can also be removed completely.
- 42 HU version is divided into 2 parts, which can be placed individually.
- KM cagenut fixing (not included).
- Delivered 1 pc.



### BASIC - CT5 G2

Basic vertical cable manager without tray. Fits on the left and right side of the 19" profile in F1, S1 and F3 cabinets.

- Metal holder with plastic fingers.
- Available in 21, 26, 42 and 47 HU version.
- 42 and 47 HU version is divided into 2 parts, which can be placed individually.
- KM cagenut fixing (not included).
- Delivered 1 pc.



### TECHNICAL DATA - CT1 G2, CT3 G2 AND CT5 G2

NAME	ART. NO.	E NUMBER	WxDxH (mm)	MIN CABINET HEIGHT	COLOR
CT1 21 G2	56973	2506313	88 x 167 x 888	1200 mm (24 HU)	BLACK
CT1 26 G2	56974	2506314	88 x 167 x 1110	1400 mm (29 HU)	BLACK
CT1 42 G2	56975	2506315	88 x 167 x 1777	2000 mm (42 HU)	BLACK
CT1 47 G2	56976	2506316	88 x 167 x 1999	2200 mm (47 HU)	BLACK
CT3 21 G2	56979	2506317	72 x 165 x 888	1200 mm (24 HU)	BLACK
CT3 42 G2	56981	2506318	72 x 165 x 1777	2000 mm (42 HU)	BLACK
CT5 21 G2	56984	2506319	13 x 151 x 888	1200 mm (24 HU)	BLACK
CT5 26 G2	56985	2506320	13 x 151 x 1110	1400 mm (29 HU)	BLACK
CT5 42 G2	56986	2506321	13 x 151 x 1777	2000 mm (42 HU)	BLACK
CT5 47 G2	56987	2506322	13 x 151 x 1999	2200 mm (47 HU)	BLACK



# CABLE TRAY SYSTEM ACCESSORIES



## CTH G2

Cable tray horizontal. 19" 2HU cable tray using the same components as CT1.

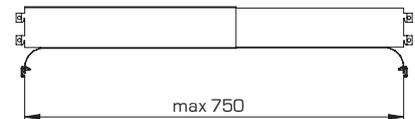
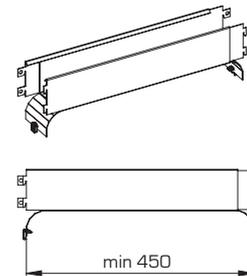
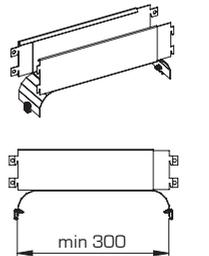
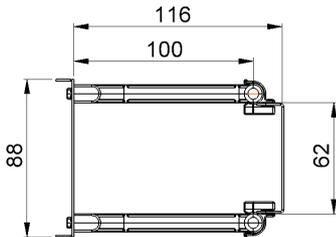
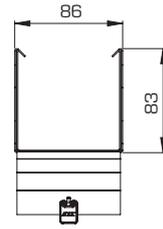
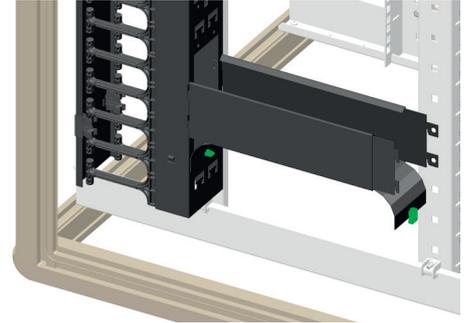
- Metal tray with plastic fingers and metal lid.
- 2 HU, 19" fixing.
- Lid is hinged both top and bottom and can be removed completely.



## CTD S/L

Cable tray depth. For supporting cables in the depth direction. Either between two CT1 or between one CT1 and a 19" profile.

- Stepless adjustable depth
- Available in two sizes.
- CTD S, 300–450 mm depth
- CTD L, 450–700 mm depth
- Toolfree fixing in CT1
- KM Cagenut required for fixing in 19" profile (not included)
- Bend radius control built in



## TECHNICAL DATA

NAME	ART. NO.	E NUMBER	W x D x H (mm)	REMARK	COLOR
CT1 42	56875	2501235	88 x 166 x 1777	1 pcs, 2000 mm F1	BLACK
CT1 47	56876	2501236	88 x 166 x 1998	1 pcs, 2200 mm F1	BLACK
CT3 42	56881	2501237	75 x 165 x 1777	Pair, 2000 mm F1	BLACK
CT3 47	56882	2501277	75 x 165 x 1998	Pair, 2200 mm F1	BLACK
CT5 42	56886	2501238	13 x 151 x 1777	Pair, 2000 mm F1	BLACK
CT5 47	56887	2501278	13 x 151 x 1998	Pair, 2200 mm F1	BLACK
CTH G2	56991	2506323	482 x 127 x 88	19", 2HU	BLACK
CTD S	56896	2501240	86 x 300 x 132	1 pcs, 300–450 mm	BLACK
CTD L	56897	2501241	86 x 450 x 132	1 pcs, 450–700 mm	BLACK



# AIR CONTROL ACCESSORIES

A range of cover panels for air control.

## TPP COVER PANEL 19"

- Made of plastic. All included materials are free from halogen and chlorine compounds.
- The product's fire safety properties are tested according to IEC 60695-11-10/UL94.
- Blank cover panel.
- Tool-free mounting in 19" profiles.
- Can also be used with cable ring KPB as a cable panel.



### TECHNICAL DATA – TPP BLACK

NAME	ART. NO.	WxDxH (mm)	NUMBER OF	HU	COLOR
TPP 01-S	54802	485 x 19 x 44	10	1	BLACK
TPP 01-S	54803	485 x 19 x 44	126	1	BLACK

## TPS/TPSK G2 AIR GUIDING KIT, GENERATION 2

- Cover panel kit for obstructing airflow from back to front in S1 server enclosure.
- TPS is a cover panel kit without openings.
- TPSK is a cover panel kit with openings covered in soft rubber for cables from front to back. It contains 3 x 1HU vertically on each side. Each HU is covered with TPS blind panel.
- All fixing material included.
- Manufactured in steel sheet.
- Finish: textured black RAL 9005.



TPS 620 G2

TPS 820 G2

TPSK 820 G2

### TECHNICAL DATA – TPS/TPSK G2 BLACK

NAME	ART. NO.	E NUMBER	F1/S1 WIDTH (mm)	F1/S1 HEIGHT (mm)	COLOR
TPS 620/622 X1-S G2	56586	2503805	600	2000/2200	BLACK
TPS 820 X1-S G2	56587	2503806	800	2000	BLACK
TPSK 820 X1-S G2	56588	2503807	800	2000	BLACK
TPS 822 X1-S G2	56589	2503808	800	2000	BLACK
TPSK 822 X1-S G2	56590	2503809	800	2000	BLACK



# ENOC RX SYSTEM

## TWO-POST AND FOUR-POST RACK SYSTEM

Enoc RX is a system of open server racks, especially suitable for dedicated server rooms as they save space, provide easier access and simplify cable management. Create your own unique solution with our premium rack combined with our various wall and door solutions. The RX System is a modular system suitable both for networks and complete data center solutions thanks to the flexible design and the wide range of accessories.

The possibilities are almost endless.



### R1 – Four-post rack

An open and flexible solution that provides the same stability as a server cabinet. Cost-effective and space-saving for large and small installations. Adjustable in depth.



### R2 – Two-post rack, free standing

Smart premium solution that uses less floor space than a server cabinet or a four-post rack. Stable and flexible.



### R3 – Two-post rack, wall fixed

Open wall mounted server rack for easy access to cables and equipment. Suitable for high density cabling.

### TECHNICAL INFORMATION

#### Open four-post rack with 19" front and back

- Depth 600–900 mm (in 50 mm steps)
- Static load capacity, 1000 kg
- Width 526 mm
- Height 2000 mm/42 HU and 2200 mm/47 HU
- HU marking
- All fixing material included
- Manufactured in steel sheet
- Finish: textured black RAL 9005.

#### Open two-post rack with 19" front and back

- Depth 170 mm (450 mm with feet)
- Static load capacity, 500 kg (centralized)
- Width 526 mm
- Height 2000 mm/42 HU and 2200 mm/47 HU
- HU marking
- All fixing material included
- Manufactured in steel sheet
- Finish: textured black RAL 9005.

#### Open two-post rack with 19" front

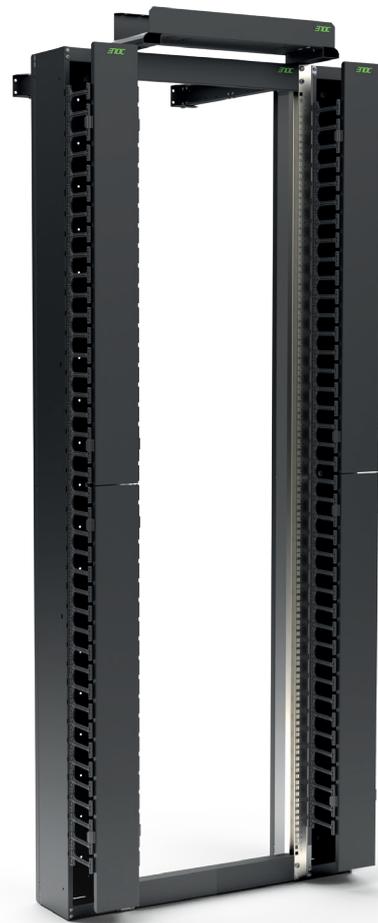
- Depth 555–855 mm (in 50 mm steps)
- Static load capacity, 250 kg (centralized)
- Width 526 mm
- Height 2000 mm/42 HU and 2200 mm/47 HU
- HU marking
- All fixing material included
- Manufactured in steel sheet
- Finish: textured black RAL 9005.

### TECHNICAL DATA – R1, R2 AND R3

NAME	ART. NO	E NUMBER	WxDxH (mm)	HU	COLOR
R1 42-S	58301	2503811	526x600-900x2000	42	BLACK
R1 47-S	58302	2503812	526x600-900x2200	47	BLACK
R2 42-S	58304	2503813	526x170/450x2003	42	BLACK
R2 47-S	58305	2503814	526x170/450x2203	47	BLACK
R3 42-S	58307	2503815	526x555-855x2000	42	BLACK
R3 47-S	58308	2503816	526x555-855x2200	47	BLACK



R1 - Four-post rack



R2 - Two-post rack, free standing

#### QUALITY

---

Premium quality.  
Steel sheet

#### EASY ACCESS

---

Fast and flexible handling  
Saving space

#### THREE VERSIONS, TWO SIZES

---

Width 526 mm, 42 & 47 HU

#### FAST DELIVERY

---

Available for immediate delivery



R3 - Two-post rack, wall fixed



# EPI G2 RELIABLE POWER DISTRIBUTION UNITS

EPI G2 is a range of PDU:s that can be used alone as reliable power distribution unit without any monitoring functionality. The PDU can be fitted with a monitoring module (EPI MM G3) for local and remote monitoring through TCP/IP or ampere module (EPI AM G2) for local ampere reading.



## EPI PDU

- PDU with C13 and C19 outlets in multiple configurations.
- Multiple inlet options.
- PDU will provide power regardless if a monitoring module is fitted or not.
- Possible to add EPI MM monitoring module or EPI AM ampere module.
- Custom configuration of inlet and outlet available on request.

## EPI MM, MONITORING MODULE

Each EPI PDU can be used alone to provide reliable power supply without monitoring possibilities, but to monitor (both locally and remotely) an EPI MM needs to be fitted.

- The EPI MM is available in two versions, one for 1 phase PDU:s and one for 3 phase PDU:s:
  - EPI MM 1 G3 – for 1 phase PDU:s
  - EPI MM 3 G3 – for 3 phase PDU:s
- Possible to fit EPI MM monitoring module for IP monitoring of:
  - Input voltage (V)
  - Total load current (A)
  - Total power (kW)
  - Energy consumption (kWh)
- TCP/IP connection
- Local monitoring directly on the monitoring module (EPI MM G2)
- Embedded controlling software (html) for configuration and alarm threshold setting.
- SNMP monitoring.

## EPI AM, AMPERE MODULE

Each EPI PDU can be used alone to provide reliable power supply without monitoring possibilities, but to monitor the load locally an EPI AM needs to be fitted.

- The EPI AM is available in two versions, one for 1 phase PDU:s and one for 3 phase PDU:s:
  - EPI AM 1 G2 – for 1 phase PDU:s
  - EPI AM 3 G2 – for 3 phase PDU:s
- Possible to fit EPI AM ampere module for local reading of:
  - Total load current (A)



# EPI MM REMOTE MONITORING

Each EPI MM can be monitored via html or SNMP through IP.

Through the html interface it is possible to:

- Monitor device state
- Set alarm thresholds



Monitor device state



Set alarm thresholds



# EPI PDU RANGE AND ACCESSORIES



**EPI 8 16A G2** • IN: C20, 16A OUT: 8xC13



**EPI MM 1/3 G3** • Monitoring Module for 1 phase or 3 phase EPI G2 PDU:s



**EPI 24+6 16A G2** • IN: IEC60309, 16A OUT: 24xC13, 6xC19



**EPI AM 1/3 G2** • Ampere Module for 1 phase or 3 phase EPI G2 PDU:s



**EPI 24+6 32A G2** • IN: IEC60309, 32A OUT: 24xC13, 6xC19



**EPI 24+6 3X16A G2** • IN: IEC60309, 3x16A OUT: 24xC13, 6xC19



**EPI 42+4 32A G2** • IN: IEC60309, 32A OUT: 42xC13, 4xC1



## TECHNICAL DATA – EPI POWER DISTRIBUTION UNITS

NAME	ART. NO.	E NUMBER	IN	OUT C13	OUT C19	LENGTH (mm)
EPI 8 16A G2	54361	2502090	C20 16A	8	-	483
EPI 24+6 16A G2	54362	2502091	IEC60309 16A	24	6	1328
EPI 24+6 32A G2	54363	2502092	IEC60309 32A	24	6	1453
EPI 24+6 3x16A G2	54364	2502093	IEC60309 3x16A	24	6	1378
EPI 24+6 3x32A G2	54365	2502094	IEC60309 3x32A	24	6	1737
EPI MM 1 G3	54226	2508026	-	-	-	172
EPI MM 3 G3	54227	2508027	-	-	-	172
EPI AM 1 G2	54368	2502097	-	-	-	172
EPI AM 3 G2	54369	2502098	-	-	-	172



### EPSE 1

Temp/Humidity sensor with 2m cable. To be fitted in EPI MM G2.



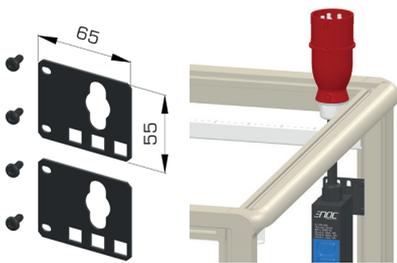
### EPB C19-SCHUKO/FRENCH

Conversion cable from C19 to Schuko/French plug. To be fitted at C20 plug.



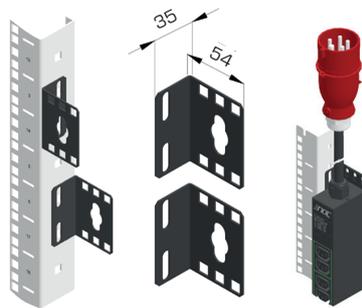
### EPB C19-C14

Conversion cable from C19 to C14 plug. To be fitted at C20 plug.



### EPMB X1-S

Mounting bracket for fitting accessories in the corner post of the X1 frame. Delivered as a pair.



### EPVB X1-S

Mounting bracket for fitting accessories on the side of the 19" profiles. Delivered as a pair.



### EPMB-2 X1-S

Mounting bracket for fixing accessories vertically along the corner post. Delivered as a pair.

## TECHNICAL DATA - ACCESSORIES

NAME	ART. NO.	E NUMBER	DESCRIPTION
EPSE 1	54490	2597747	Temp/Humidity sensor, 2 m cable
EPB C19-Schuko/French	54488	2500086	Conversion cable, 0,2 m
EPB C19-C14	54489	2500087	Conversion cable, 0,2 m
EPMB-2 X1-S	54500	2503745	Mounting bracket Cornerpost, 1 PDU, Pair
EPMB X1-S	54499	2597987	Mounting bracket Cornerpost, 1 PDU, Pair
EPVB X1-S	56566	2500806	Mounting bracket PR, Pair



# ENOC AISLE CONTAINMENT INCREASE ENERGY EFFICIENCY AND PROTECTION

Flexible cooling solutions for server rooms and data centers, with six base solutions. Each of them can be equipped with different panels – fixed metal, fixed channel plastic or openable metal panels.

Optimizing air flow in your data center with the use of Hot Aisle Containment, HAC, has several benefits, including reducing energy costs and improving efficiency. The right choice of cooling system gives the data center an optimal temperature.



## HAC-F FREESTANDING

Freestanding Hot Aisle Containment  
with a load capacity up to 200 kg per /side.

See pages: 30-33



## HAC-H HANGING

Hot Aisle Containment hanging from  
suspended roof or from the building.

See pages: 34-43



## HAC-S STANDING

Hot Aisle Containment standing  
on top of racks

See pages: 44-47



## **HCC** **HOT CHIMNEY**

Hot Chimney Containment, a chimney solutions with room cooling.

**See pages: 48-49**



## **CAC-RS** **RACKSTANDING**

Cold Aisle Containment system with complete hot and cold air separation.

**See pages: 50-51**



## **CAC-RF** **RACK FREESTANDING**

Cold Aisle Containment, ideal for installations where flexibility of racks are required.

**See pages: 52-54**



## **KKD FLOOR SECTIONS** **KKT ROOF SECTIONS**

**See pages: 56-61**



# HAC-F

## FREESTANDING HOT AISLE CONTAINMENT

**HAC-F, Freestanding Hot Aisle Containment. Ideal for buildings with high ceilings. This solution will carry loads from cable trays, busbars, and roof, instead of fixing it to the roof of the building.**

### TECHNICAL INFORMATION

- The frame is steel tubes and beams assembled with screws
- Telescopic blanking panels seals the gap between the HAC frame and the cabinets
- End of rows are sealed with Enoc KKD G3 door sections
- Maximum static load 200kg/m

#### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof height
- Row length and aisle width
- Maximum rack height (free space under the telescopic beam)
- Rack dimensions and number of racks
- Filling panel solution: metal or channel plastic

#### ADAPTATIONS

- Double or single row (next to wall)
- Adaptations to building constraints, e.g. columns in the HAC rows
- Cable trays running through the aisle

#### COLORS

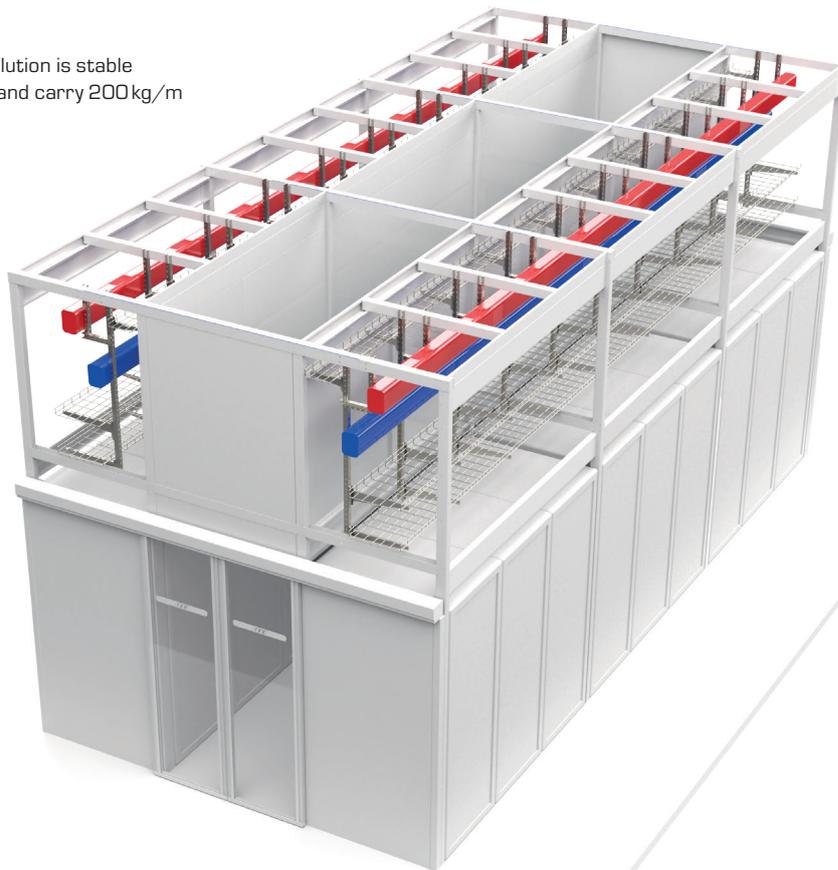
- Any color
- Standard: black RAL 9005 and white RAL 9003.



State of the art  
Hot Aisle Containment.



Freestanding design. The solution is stable enough to stand on its own and carry 200 kg/m of equipment.



The frame is designed to hold additional installations required, like cable trays and busbars.





Every solution is customized individually. Enoc System designs the solution together with the customer.



Each compartment can be individually designed to fit any combination of rack widths and heights.



# HAC-H

## HANGING HOT AISLE CONTAINMENT

**HAC-H, Hanging Hot Aisle Containment. Ideal in buildings with load carrying suspended roof. With telescopic blanking panels a flexible solution is possible, e.g. different rack heights. Makes change of racks easier.**

### TECHNICAL INFORMATION

---

- The frame is steel tubes assembled with screws
- Available with or without telescopic panels
- Telescopic blanking panels seals the gap between the HAC frame and the cabinets
- End of rows are sealed with Enoc KKD G3 door sections

#### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof height
- Row length and aisle width
- Maximum rack height (free space under the telescopic beam)
- Rack dimensions and number of racks
- Filling panel solution: metal, channel plastic or openable panel

#### ADAPTATIONS

- Double or single row (next to wall)
- Adaptations to building constraints, e.g. columns in the HAC rows
- Cable trays running through the aisle

#### COLORS

- Any color
- Standard: textured black RAL 9005 and white RAL 9003.



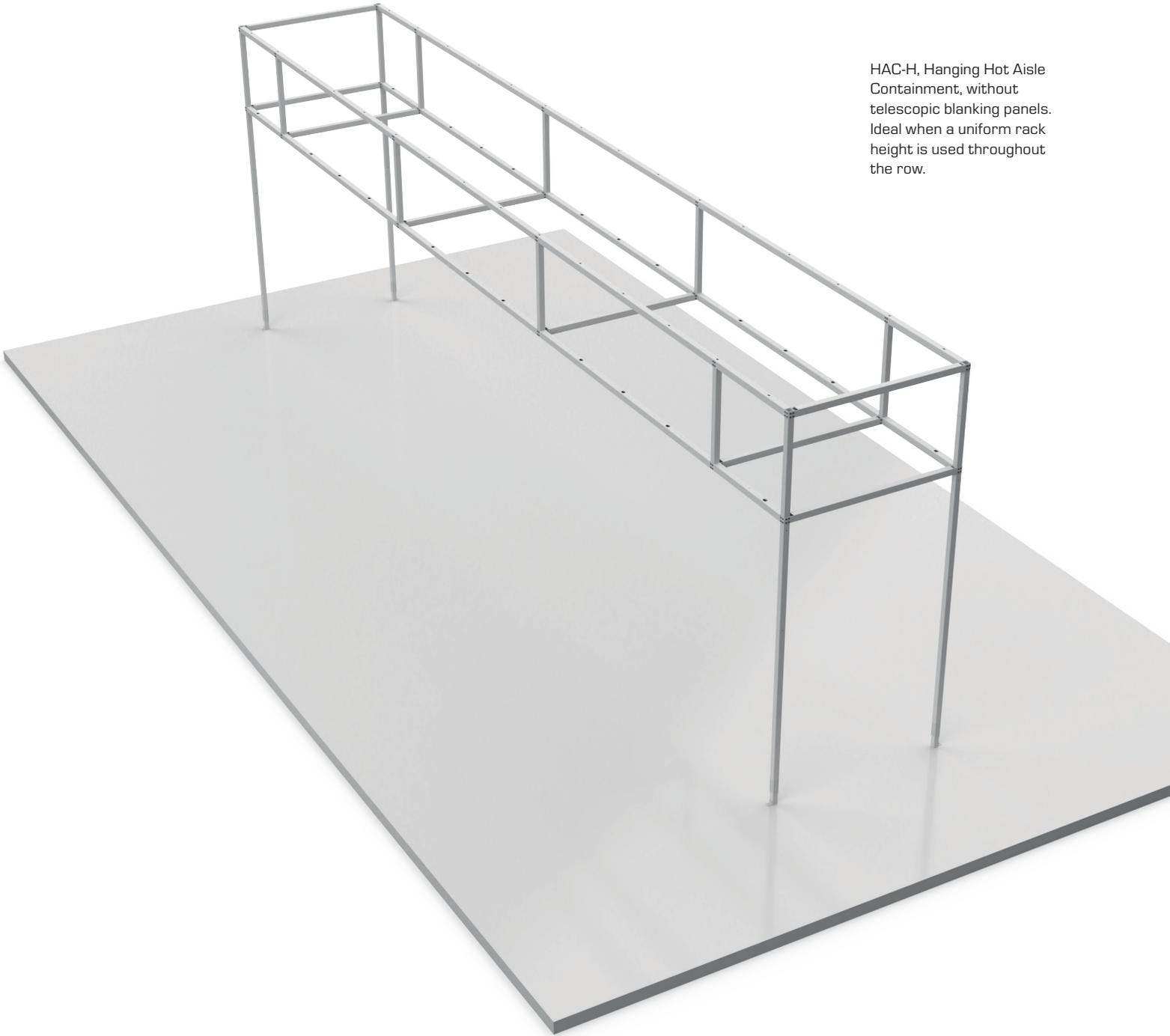


HAC-H is designed with a hanging steel tube frame, customized individually depending on rack and room layout.



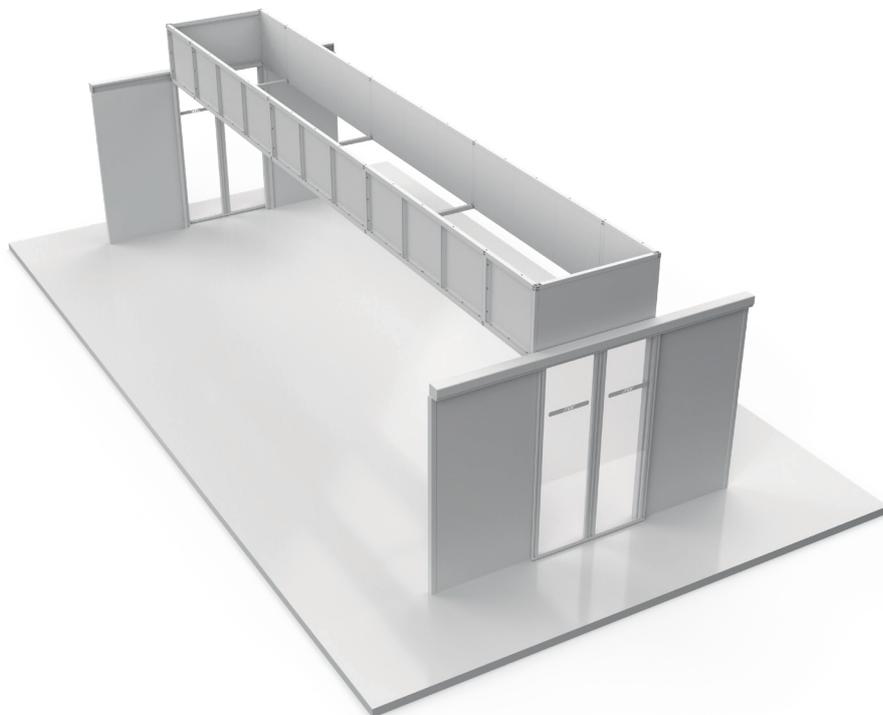
Multiple versions of the HAC-H are available, e.g. openable metal panels.

Non-telescopic version | Frame only



HAC-H, Hanging Hot Aisle Containment, without telescopic blanking panels. Ideal when a uniform rack height is used throughout the row.

Non-telescopic version | Metal panels



**Filling option one:**  
metal panels, stable and  
smooth looking filling  
panels.



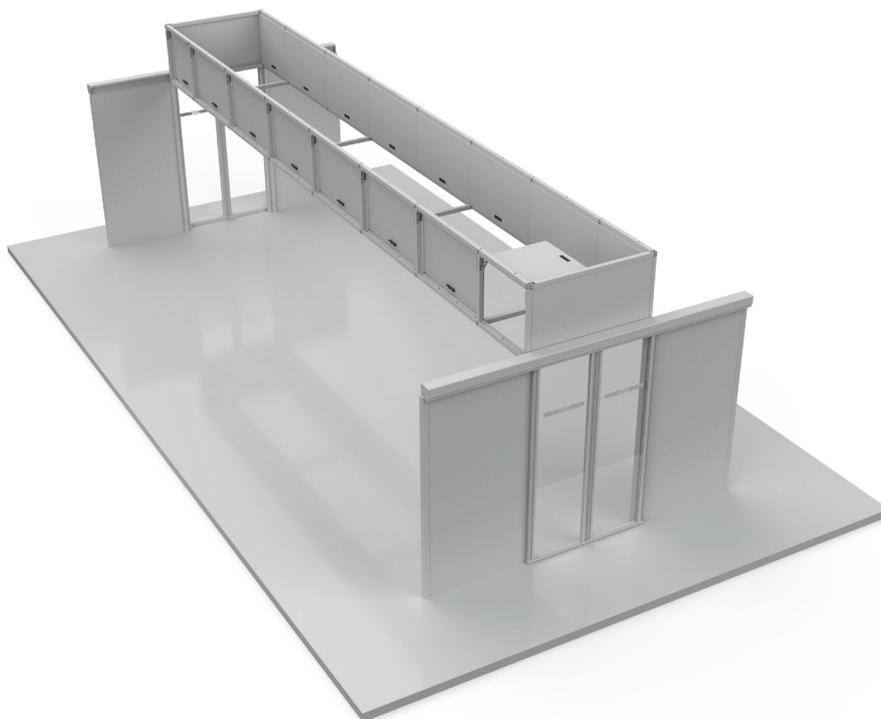
Non-telescopic version | Channel plastic



**Filling option two:** channel plastic panels. Ideal when higher insulation degree is required. This solution also lets more outside light into the aisle.



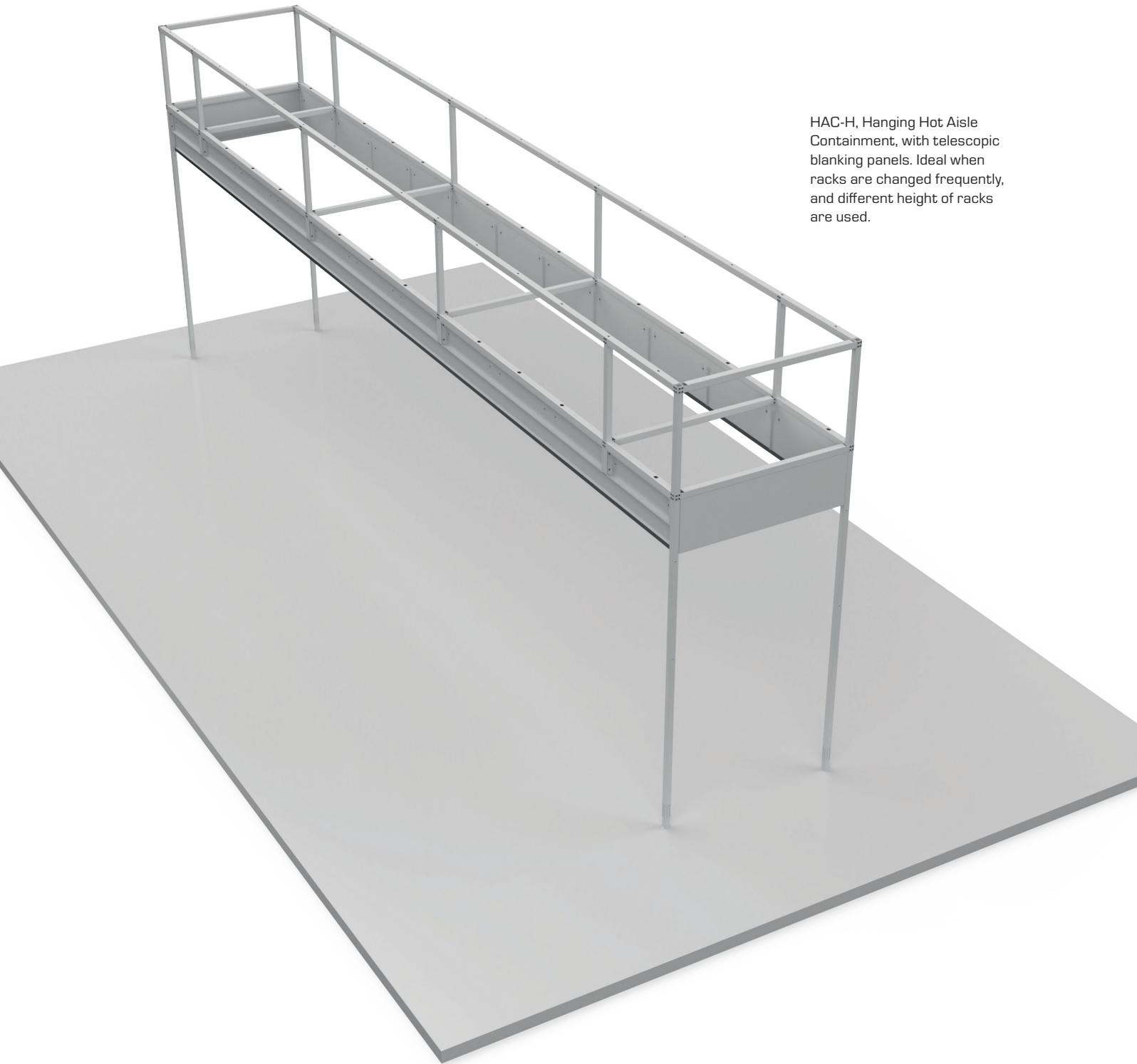
Non-telescopic version | Openable panels



**Filling option three:**  
openable metal panels.  
Ideal when access is  
needed from inside the  
hot aisle.

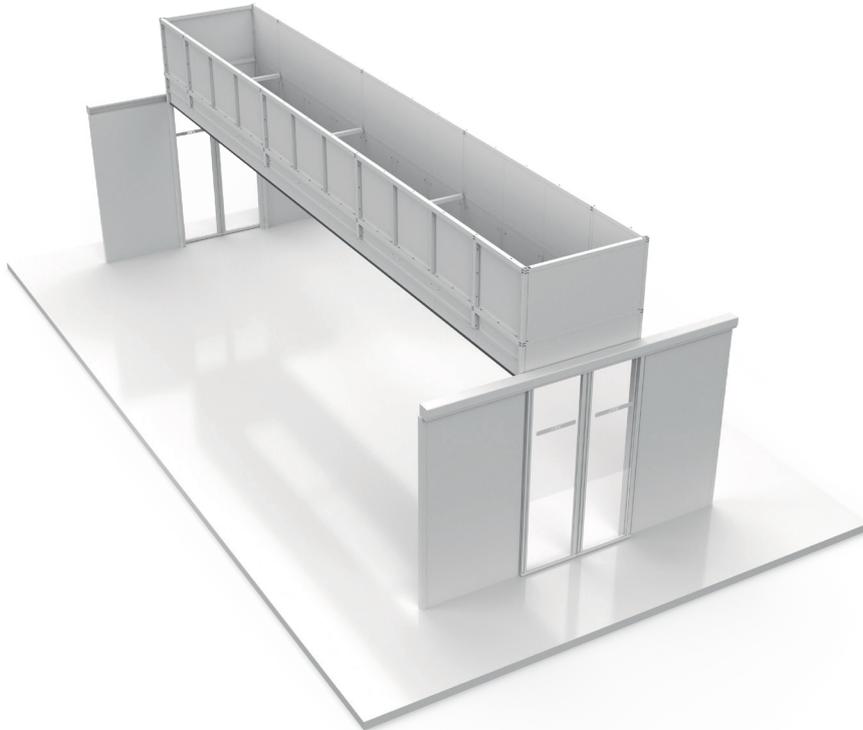


Telescopic version | Frame only



HAC-H, Hanging Hot Aisle Containment, with telescopic blanking panels. Ideal when racks are changed frequently, and different height of racks are used.

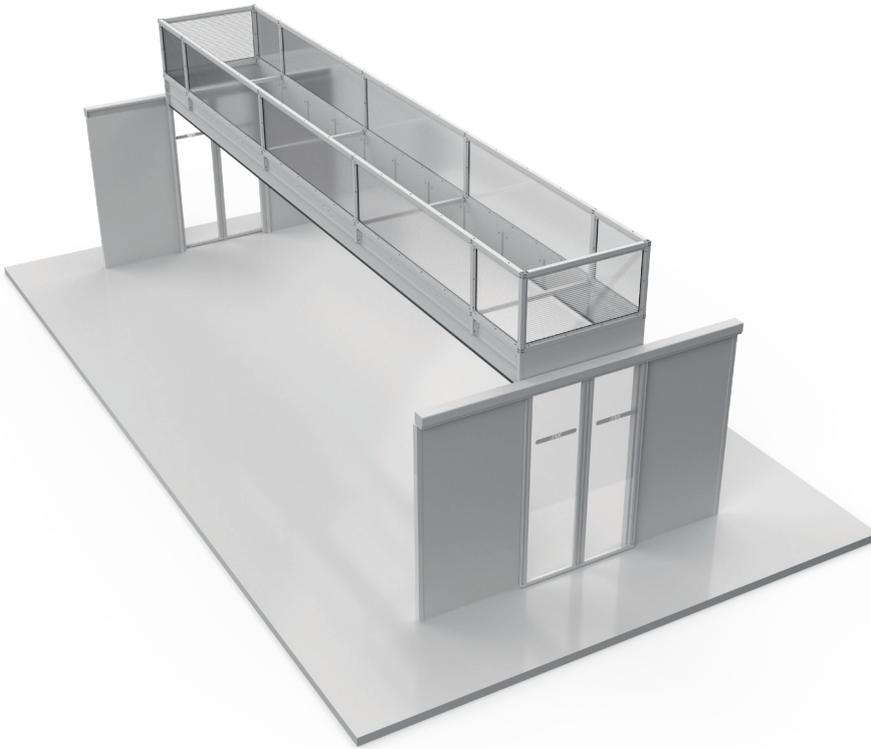
Telescopic version | Metal panels



**Filling option one:**  
metal panels, stable and  
smooth looking filling  
panels.



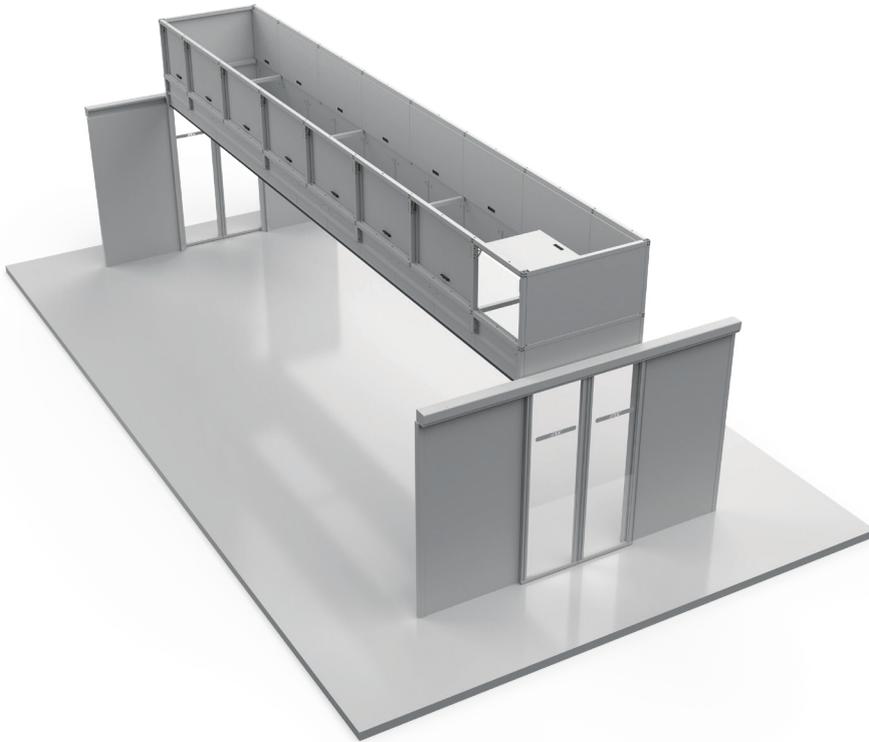
Telescopic version | Channel plastic



**Filling option two:** channel plastic panels. Ideal when higher insulation degree is required. This solution also lets more outside light into the aisle.



Telescopic version | Openable panels



**Filling option three:**  
openable metal panels.  
Ideal when access is  
needed from inside the  
hot aisle.





# HAC-S

## STANDING HOT AISLE CONTAINMENT

HAC-S, Standing Hot Aisle Containment, on top of a rack configuration. Ideal in installations with more fixed rack setup.

### TECHNICAL INFORMATION

---

- The frame is steel tubes assembled with screws
- End of rows are sealed with Enoc KKD G3 door sections

#### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof height
- Row length and aisle width
- Rack height
- Rack dimensions and number of racks
- Filling panel solution: metal, channel plastic or openable panels

#### ADAPTATIONS

- Double or single row (next to wall)
- Adaptations to building constraints, e.g. columns in the HAC rows

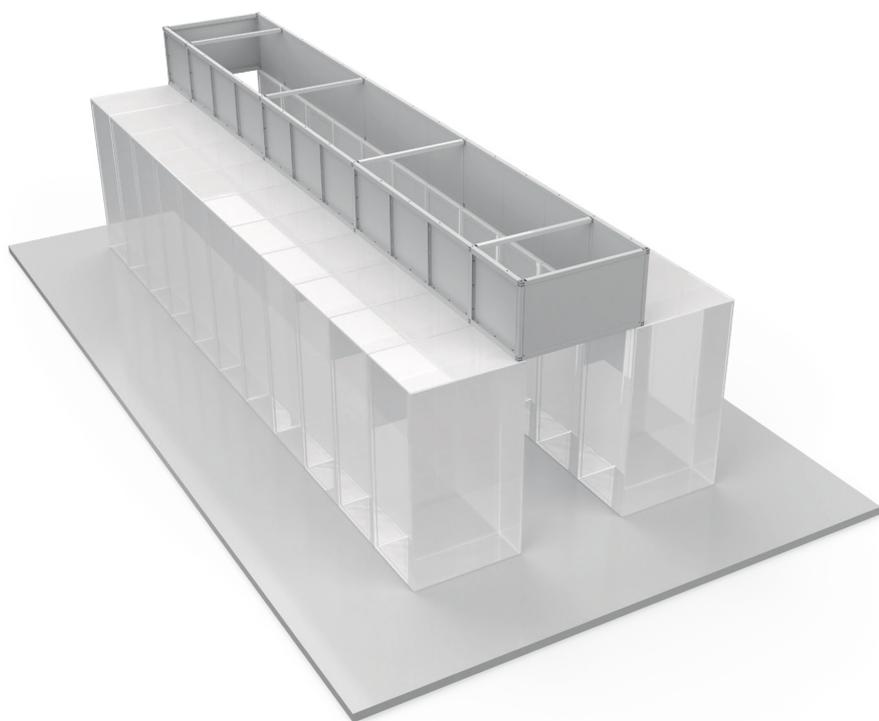
#### COLORS

- Any color
- Standard: black RAL 9005 and white RAL 9003.

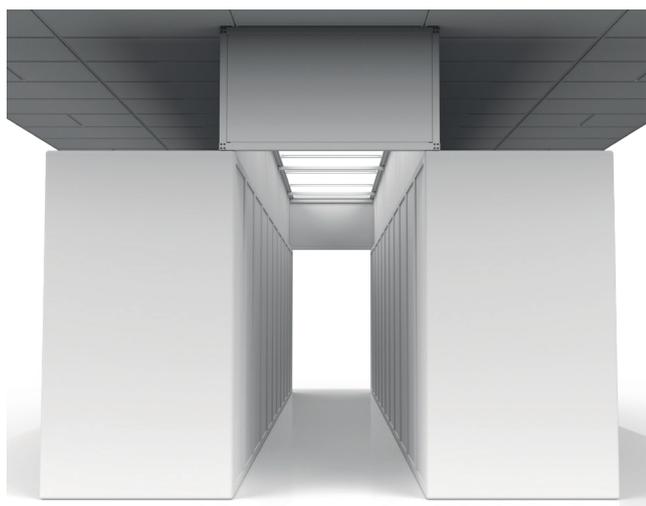


HAC-S is designed with a standing steel tube frame. The HAC-S is supported by the racks. Every solution is customized individually.

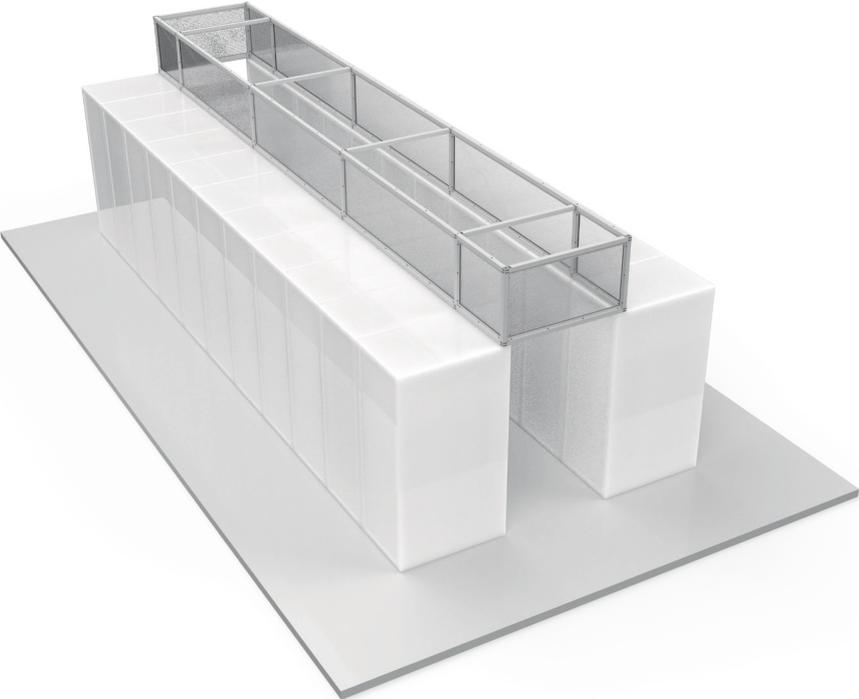
Metal panels



**Filling option one:**  
metal panels, stable and  
smooth looking filling  
panels.



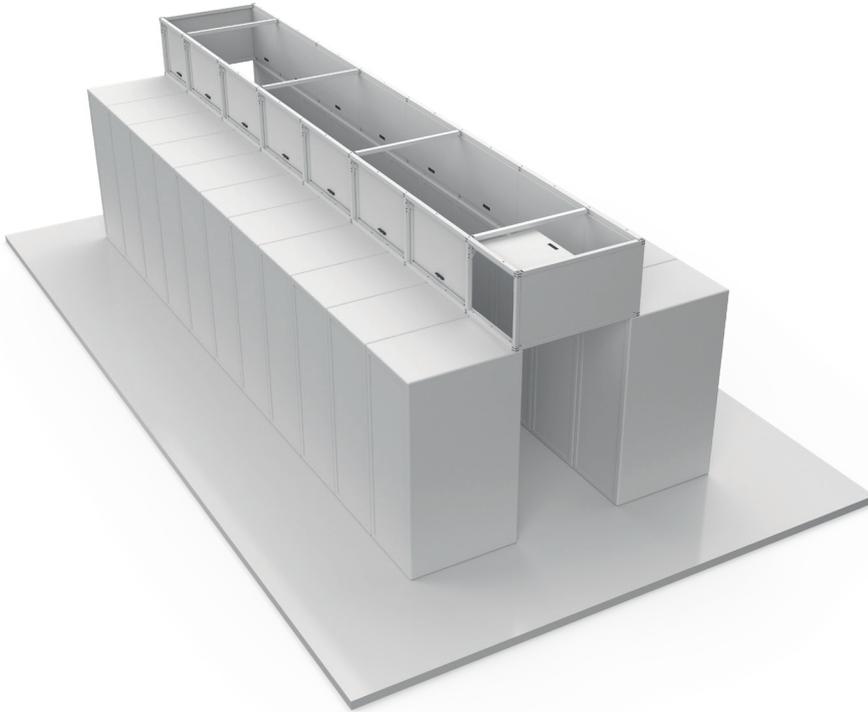
Channel plastic



**Filling option two:**  
channel plastic panels.  
Ideal when higher  
insulation degree is  
required. This solution  
also lets more outside  
light into the aisle.



## Openable panels



**Filling option three:**  
openable metal panels.  
Ideal when access is  
needed from inside the  
hot aisle.





# HCC

## HOT CHIMNEY CONTAINMENT

**HCC, Hot Chimney Containment, our chimney solutions with room cooling are available in different dimensions. Allows flexible placement of racks and cabinets. The design is self-supporting and requires no fixing in top. Cools the entire room.**

### TECHNICAL INFORMATION

---

- The chimney is with telescopic panels assembled with screws
- Telescopic chimney seals the gap between the roof and the cabinets
- No aisle containment needed
- Closed back door to direct duct for hot airflow out through chimney

### ADAPTATIONS

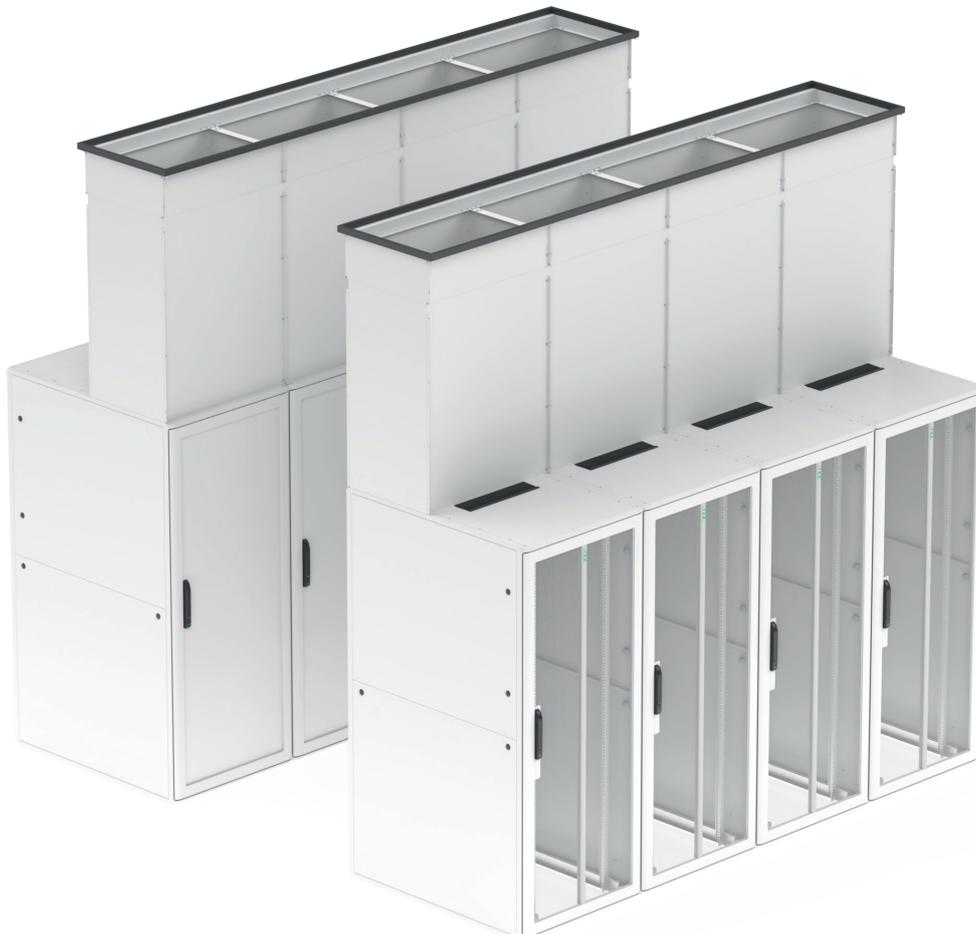
- Adaptations to building constraints, e.g. plates in the roof
- Adaptions to room cooling or floor cooling, e.g. plates in the floor

### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof height
- Rack height
- Rack dimensions
- No need for extra filling panel solution

### COLORS

- Any color
- Standard: black RAL 9005 and white RAL 9003.





HCC is designed with a standing chimney. Two part adjustable to meet and seal against the ceiling. Chimney supported by the enclosure, self-supporting and requires no fixing in top.



# CAC-RS RACKSTANDING

**CAC-RS , Cold Aisle Containment system with complete hot and cold air separation. Optimizing air flow in your data center with the use of containment has several benefits, including reducing energy costs and improving efficiency. Creates POD with our enclosure as base for quick and easy handling to on-site installation.**

## TECHNICAL INFORMATION

---

- KKD/KKDW sliding doors
- KKT/KKTW for creating aisle containment together with S1 server enclosure
- Roof tiles of 4 mm fully tempered security glass, hold in place with slotted lock
- End of rows are sealed with Enoc KKD G3 door sections

### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof length and aisle width
- Rack height
- Rack dimensions and number of racks
- No need for extra filling panel solution

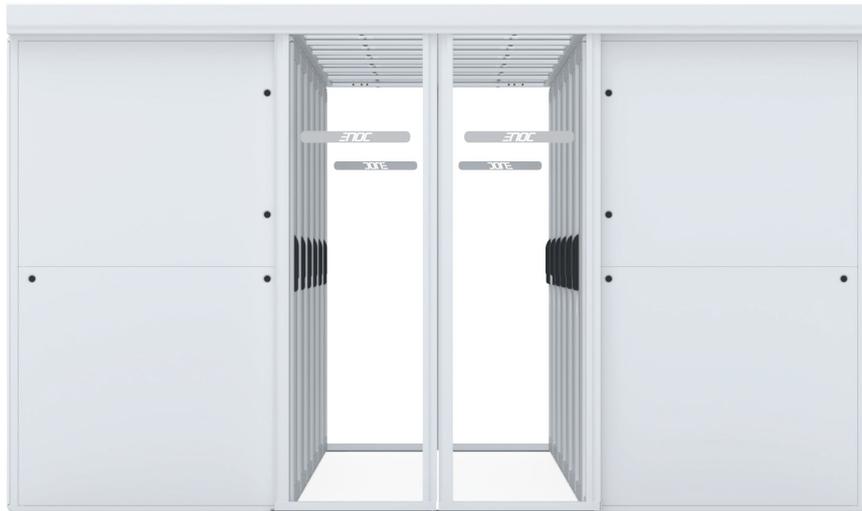
### ADAPTATIONS

- Double or single row (next to wall)
- Adaptions to buildings constraints e.g. columns in the CAC rows

### COLORS

- Any color
- Standard: black RAL 9005 and white RAL 9003.





CAC-RS is the simplest and first step to create Cold Aisle Containment functionality. Perfect for raised floor and underfloor cooling with perforated tiles in the containment. Also suitable in combination with In-row cooling to handle the heat. This is an rack-standing solution, meaning the rack and enclosure direct supports the roof and the sliding door-sections.



Creates POD with our enclosure as base for quick and easy handling to on-site installation.



# CAC-RF

## RACK FREESTANDING

**CAC-RF, Cold Aisle Containment, ideal for installations where flexibility of racks are required. CAC-RF is a CAC which is partly supported by the racks. Meaning possibility to remove and replace racks when installed. The solution can be adapted to rows of racks with different rack heights and width. Creates POD as stand-alone and high grade of flexibility and access.**

### TECHNICAL INFORMATION

---

- Roof carrying beam and support feet of steel sheet, assembled with screws
- Roofpanels in 16 mm channel plastic
- End of rows are sealed with Enoc KKD G3 door sections

### EVERY SOLUTION IS CUSTOMIZED INDIVIDUALLY

- Roof height
- Roof length and aisle width
- Rack height
- Rack dimensions and number of racks
- No need for extra filling panel solution

### ADAPTATIONS

- Double or single row (next to wall)
- Adaptions to buildings constraints e.g. columns in the CAC rows

### COLORS

- Any color
- Standard: black RAL 9005 and white RAL 9003.

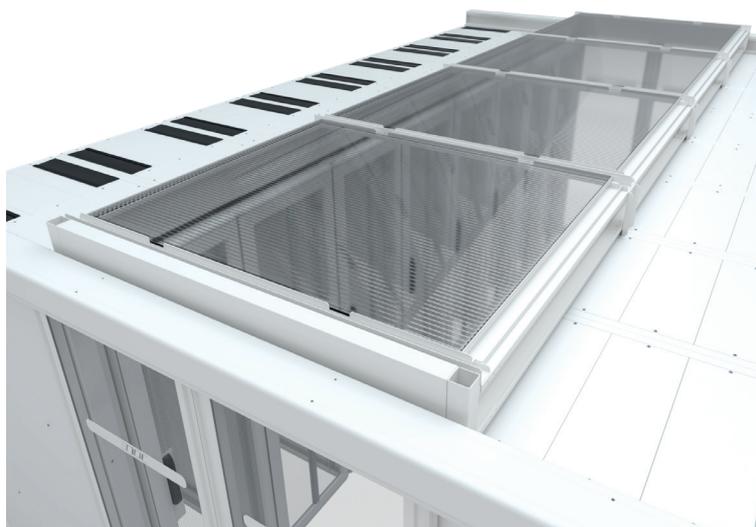




CAC-RF is the next level from rack-standing. Same purpose for raised floor and underfloor cooling with perforated tiles in the containment. This is also suitable in combination with In-row cooling to handle the heat.

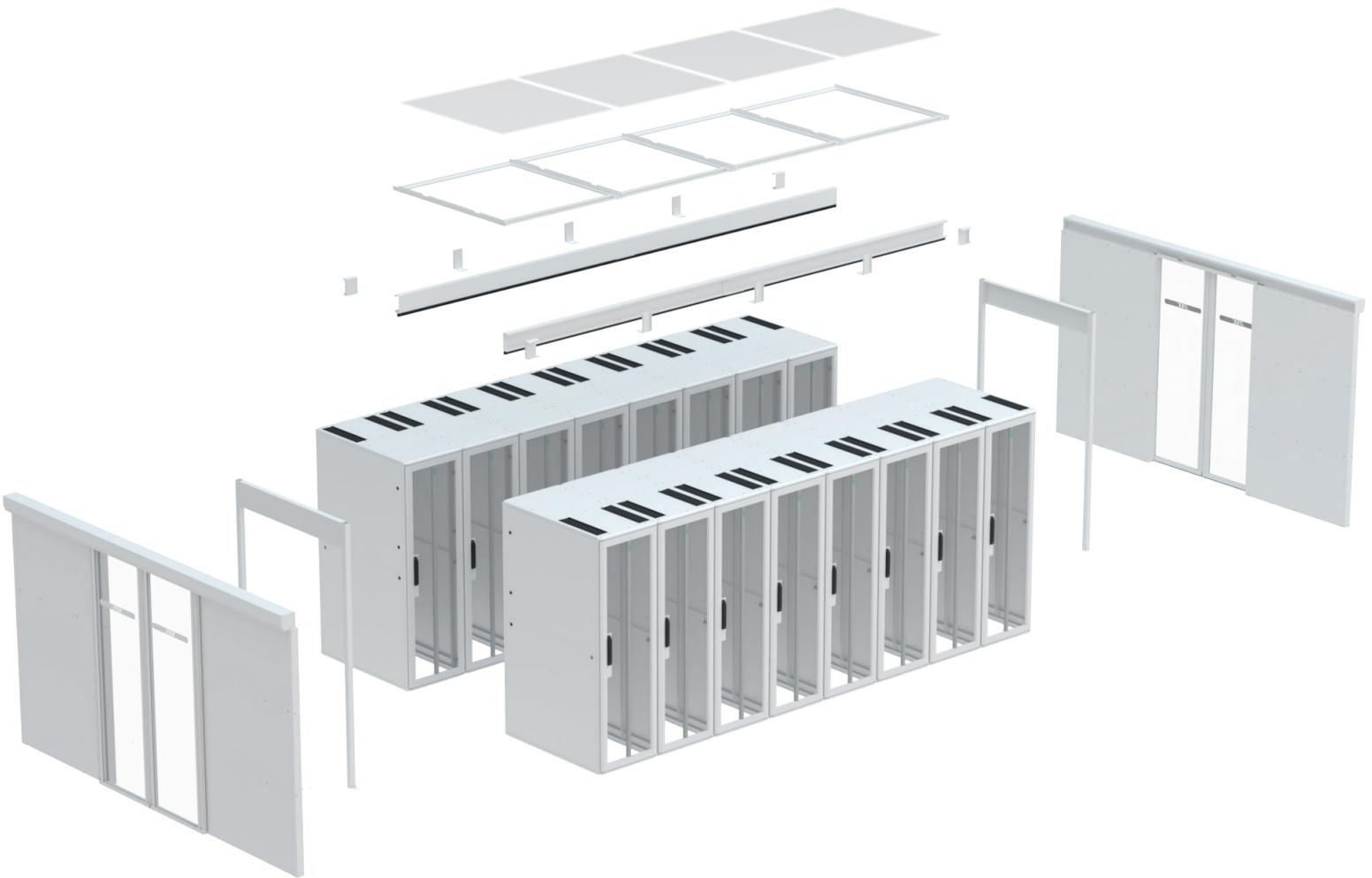
The concept creates the functionality of free-standing solution. Meaning the filling wall and framework handle the construction as stand-alone. Supports the roof- and the sliding door-sections.

Roofpanels in 16 mm channel plastic



With only a few parts we can create the stand-alone solution,  
still no need for supporting environment in the Data Center.

Flexible plug-n-play for racks and enclosure in the POD





# OPTIONS FOR HOT AISLE CONTAINMENT

Every Enoc HAC solution is individual. Sometimes adaptations need to be done, e.g. if there is a column in the way, or if not all rack spaces are filled with racks. In this case we add filling panels in the size of racks.

## FILLING PANELS

- 1.5 mm steel sheet
- Finish: available in any color
- Fixed in telescopic rail of HAC
- Adapted to any width and height
- Customized depending on specifics of the installation



Filling panels are necessary when rows are not filled with racks or if it is e.g. a column in the way.



## KKD/KKDW G3 DOOR SECTIONS

KKD G3 is a series of flexible door sections for creating aisle containments together with S1 server enclosures. Standard models for 1200 mm aisle width and cabinet height of 2000 and 2200 mm. Door sections in customized aisle widths are available on request. Three function levels: manual, self-closing and automatic.

### Manual

Each door blade is manually operated.

### Self-closing

Door blades are spring operated. Doors will self-close when released. System includes soft-close system that catches the door blades the last part and gently closes the door section.

### Automatic

Door blades are operated with an electric motor. The system contains two radars, one of each side of the door, that triggers door opening. The doors will self-close when untriggered.



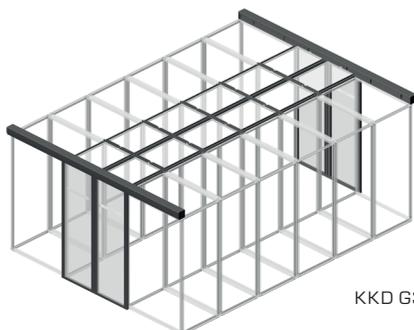
**KKD G3**

- Double door configuration.
- Fixing on two Enoc S1 racks (1000 or 1200 mm deep and 2000 or 2200 mm high).
- Standard aisle width of 1200 mm. Other widths available on request.
- KKD G3 12XX 32 = 2x1000 mm racks + 1200 mm aisle
- KKD G3 12XX 36 = 2x1200 mm racks + 1200 mm aisle

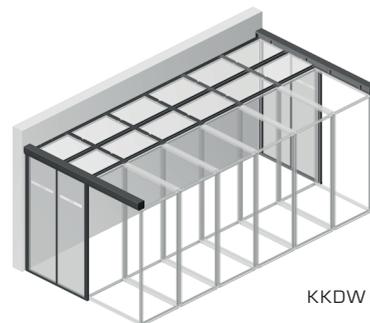


**KKDW G3**

- Single door configuration for single row aisle close to a wall.
- Fixing on one Enoc S1 rack (1000 or 1200 mm deep and 2000 or 2200 mm high) and on to a wall.
- Standard aisle width of 1200 mm. Other widths available on request.
- KKDW G3 12XX 22 = 1x1000 mm racks + 1200 mm aisle
- KKDW G3 12XX 24 = 1x1200 mm racks + 1200 mm aisle



KKD G3 + KKT G3



KKDW G3 + KKTW G3

## TECHNICAL INFORMATION

- Extremely stable door beam from end to end of cabinet. Aluminum cover in one single piece.
- 3 function levels: Manual, Self-closing, Automatic.
- KKD G3 for two row aisles and KKDW G3 for one row aisles next to a wall.
- Door blade in 4 mm in fully tempered security glass framed in an aluminum frame with built in handles.
- Free walking height is the same as cabinet height, 2000 or 2200 mm.
- Finish: textured black RAL 9005 and white RAL 9003.
- Delivered unmounted including all fixing material.
- Art no 57979,58279 KKTW G3 Wall-fixing required for wall-fixing of KKDW.

## TECHNICAL DATA - KKD G3 BLACK

NAME	ART. NO.	WIDTH (mm)	AISLE OPENING (mm)	MAX HEIGHT (mm)	CABINET WIDTH (mm)	CLOSING FUNCTION
KKD G3 1220 32-M	57901	1200	1030	2000	3200	M*
KKD G3 1220 32-SC	57903	1200	1030	2000	3200	SC*
KKD G3 1220 32-A	57904	1200	1030	2000	3200	A*
KKD G3 1220 36-M	57906	1200	1030	2000	3600	M*
KKD G3 1220 36-SC	57908	1200	1030	2000	3600	SC*
KKD G3 1220 36-A	57909	1200	1030	2000	3600	A*
KKD G3 1222 32-M	57911	1200	1030	2200	3200	M*
KKD G3 1222 32-SC	57913	1200	1030	2200	3200	SC*
KKD G3 1222 32-A	57914	1200	1030	2200	3200	A*
KKD G3 1222 36-M	57916	1200	1030	2200	3600	M*
KKD G3 1222 36-SC	57918	1200	1030	2200	3600	SC*
KKD G3 1222 36-A	57919	1200	1030	2200	3600	A*

\* M - Manual, SC - Self Closing (including Synchronic), A - Automatic

## TECHNICAL DATA - KKD G3 WHITE

NAME	ART. NO.	WIDTH (mm)	AISLE OPENING (mm)	MAX HEIGHT (mm)	CABINET WIDTH (mm)	CLOSING FUNCTION
KKD G3 1220 32-M-V	58201	1200	1030	2000	3200	M*
KKD G3 1220 32-SC-V	58203	1200	1030	2000	3200	SC*
KKD G3 1220 32-A-V	58204	1200	1030	2000	3200	A*
KKD G3 1220 36-M-V	58206	1200	1030	2000	3600	M*
KKD G3 1220 36-SC-V	58208	1200	1030	2000	3600	SC*
KKD G3 1220 36-A-V	58209	1200	1030	2000	3600	A*
KKD G3 1222 32-M-V	58211	1200	1030	2200	3200	M*
KKD G3 1222 32-SC-V	58213	1200	1030	2200	3200	SC*
KKD G3 1222 32-A-V	58214	1200	1030	2200	3200	A*
KKD G3 1222 36-M-V	58216	1200	1030	2200	3600	M*
KKD G3 1222 36-SC-V	58218	1200	1030	2200	3600	SC*
KKD G3 1222 36-A-V	58219	1200	1030	2200	3600	A*

\* M - Manual, SC - Self Closing (including Synchronic), A - Automatic

## TECHNICAL DATA - KKDW G3 BLACK

NAME	ART. NO.	WIDTH (mm)	AISLE OPENING (mm)	MAX HEIGHT (mm)	CABINET WIDTH (mm)	TOTAL FUNCTION	LEFT/RIGHT
KKDW G3 1220L 22-M	57921	1200	880	2000	2200	M*	L**
KKDW G3 1220R 22-M	57922	1200	880	2000	2200	M*	R**
KKDW G3 1220L 22-SC	57923	1200	880	2000	2200	SC*	L**
KKDW G3 1220R 22-SC	57924	1200	880	2000	2200	SC*	R**
KKDW G3 1220L 22-A	57925	1200	880	2000	2200	A*	L**
KKDW G3 1220R 22-A	57926	1200	880	2000	2200	A*	R**
KKDW G3 1220L 24-M	57931	1200	1080	2000	2400	M*	L**
KKDW G3 1220R 24-M	57932	1200	1080	2000	2400	M*	R**
KKDW G3 1220L 24-SC	57933	1200	1080	2000	2400	SC*	L**
KKDW G3 1220R 24-SC	57934	1200	1080	2000	2400	SC*	R**
KKDW G3 1220L 24-A	57935	1200	1080	2000	2400	A*	L**
KKDW G3 1220R 24-A	57936	1200	1080	2000	2400	A*	R**
KKDW G3 1222L 22-M	57941	1200	880	2200	2200	M*	L**
KKDW G3 1222R 22-M	57942	1200	880	2200	2200	M*	R**
KKDW G3 1222L 22-SC	57943	1200	880	2200	2200	SC*	L**
KKDW G3 1222R 22-SC	57944	1200	880	2200	2200	SC*	R**
KKDW G3 1222L 22-A	57945	1200	880	2200	2200	A*	L**
KKDW G3 1222R 22-A	57946	1200	880	2200	2200	A*	R**
KKDW G3 1222L 24-M	57951	1200	1080	2200	2400	M*	L**
KKDW G3 1222R 24-M	57952	1200	1080	2200	2400	M*	R**
KKDW G3 1222L 24-SC	57953	1200	1080	2200	2400	SC*	L**
KKDW G3 1222R 24-SC	57954	1200	1080	2200	2400	SC*	R**
KKDW G3 1222L 24-A	57955	1200	1080	2200	2400	A*	L**
KKDW G3 1222R 24-A	57956	1200	1080	2200	2400	A*	R**

\* M - Manual, SC - Self Closing, A - Automatic

\*\* L - Left [aisle to the left of cabinet seen from outside the aisle], R - Right [aisle to the right of the cabinet seen from outside the aisle]

## TECHNICAL DATA - KKDW G3 WHITE

NAME	ART. NO.	WIDTH (mm)	AISLE OPENING (mm)	MAX HEIGHT (mm)	CABINET WIDTH (mm)	TOTAL FUNCTION	LEFT/RIGHT
KKDW G3 1220L 22-M-V	58221	1200	880	2000	2200	M*	L**
KKDW G3 1220R 22-M-V	58222	1200	880	2000	2200	M*	R**
KKDW G3 1220L 22-SC-V	58223	1200	880	2000	2200	SC*	L**
KKDW G3 1220R 22-SC-V	58224	1200	880	2000	2200	SC*	R**
KKDW G3 1220L 22-A-V	58225	1200	880	2000	2200	A*	L**
KKDW G3 1220R 22-A-V	58226	1200	880	2000	2200	A*	R**
KKDW G3 1220L 24-M-V	58232	1200	1080	2000	2400	M*	L**
KKDW G3 1220R 24-M-V	58231	1200	1080	2000	2400	M*	R**
KKDW G3 1220L 24-SC-V	58233	1200	1080	2000	2400	SC*	L**
KKDW G3 1220R 24-SC-V	58234	1200	1080	2000	2400	SC*	R**
KKDW G3 1220L 24-A-V	58235	1200	1080	2000	2400	A*	L**
KKDW G3 1220R 24-A-V	58236	1200	1080	2000	2400	A*	R**
KKDW G3 1222L 22-M-V	58241	1200	880	2200	2200	M*	L**
KKDW G3 1222R 22-M-V	58242	1200	880	2200	2200	M*	R**
KKDW G3 1222L 22-SC-V	58243	1200	880	2200	2200	SC*	L**
KKDW G3 1222R 22-SC-V	58244	1200	880	2200	2200	SC*	R**
KKDW G3 1222L 22-A-V	58245	1200	880	2200	2200	A*	L**
KKDW G3 1222R 22-A-V	58246	1200	880	2200	2200	A*	R**
KKDW G3 1222L 24-M-V	58251	1200	1080	2200	2400	M*	L**
KKDW G3 1222R 24-M-V	58252	1200	1080	2200	2400	M*	R**
KKDW G3 1222L 24-SC-V	58253	1200	1080	2200	2400	SC*	L**
KKDW G3 1222R 24-SC-V	58254	1200	1080	2200	2400	SC*	R**
KKDW G3 1222L 24-A-V	58255	1200	1080	2200	2400	A*	L**
KKDW G3 1222R 24-A-V	58256	1200	1080	2200	2400	A*	R**

\* M - Manual, SC - Self Closing, A - Automatic

\*\* L - Left [aisle to the left of cabinet seen from outside the aisle], R - Right [aisle to the right of the cabinet seen from outside the aisle]

KKTW G3 Standard



KKTW-V G3 Standard





## KKT/KKTW G3 ROOF SECTIONS

**KKT G3 is a series of flexible roof sections for creating aisle containments together with S1 server enclosures. Standard models for 1200 mm aisle width and cabinet widths of 800, 600 and 300 mm. Two function levels: standard and radar.**

### Standard

Standard roof for aisle containment.

### Radar

Roof section for fitting next to a KKD G3 Automatic. This roof section holds the radar inside the aisle in ideal position.

### TECHNICAL INFORMATION

- Extremely stable frame of steel sheet.
- Roof tiles of 4 mm fully tempered security glass, hold in place with slotted lock.
- Free walking height is the same as cabinet height, 2000 or 2200 mm.
- Finish: textured black RAL 9005 & white RAL 9003.
- Delivered mounted including all fixing material.
- Art no 57979 & 58279, KKTW G3 Wall-fixing required for wall-fixing of KKTW.

### KKT G3

- Fixing on two Enoc S1 racks (1000 or 1200 mm deep and 2000 or 2200 mm high).
- Standard aisle width of 1200 mm. Other widths available on request.

### KKTW G3

- Roof configuration for single row aisle close to a wall.
- Fixing on one Enoc S1 rack and next to a wall.
- Aisle width: 1200 mm +/-5 mm. Other widths available on request.
- Requires KKTW G3 Wall-fixing accessory.



KKT G3 Standard



KKTW G3 Standard

## TECHNICAL DATA - KKT G3/KKTW G3 BLACK

NAME	ART. NO.	AISLE WIDTH (mm)	CABINET WIDTH (mm)	FUNCTION
KKT G3 123	57961	1200	300	
KKT G3 126	57962	1200	600	
KKT G3 128	57963	1200	800	
KKT G3 123 Radar	57966	1200	300	RAD***
KKT G3 126 Radar	57967	1200	600	RAD***
KKT G3 128 Radar	57968	1200	800	RAD***
KKTW G3 123	57971	1200	300	
KKTW G3 126	57972	1200	600	
KKTW G3 128	57973	1200	800	
KKTW G3 123 Radar	57976	1200	300	RAD***
KKTW G3 126 Radar	57977	1200	600	RAD***
KKTW G3 128 Radar	57978	1200	800	RAD***

\*\*\* RAD - Roof section for radar sensor (placed directly next to KKT G3 door section (Automatic))

## TECHNICAL DATA - KKT G3/KKTW G3 WHITE

NAME	ART. NO.	AISLE WIDTH (mm)	CABINET WIDTH (mm)	FUNCTION
KKT G3 123-V	58261	1200	300	
KKT G3 126-V	58262	1200	600	
KKT G3 128-V	58263	1200	800	
KKT G3 123 Radar-V	58266	1200	300	RAD***
KKT G3 126 Radar-V	58267	1200	600	RAD***
KKT G3 128 Radar-V	58268	1200	800	RAD***
KKTW G3 123-V	58271	1200	300	
KKTW G3 126-V	58272	1200	600	
KKTW G3 128-V	58273	1200	800	
KKTW G3 123 Radar-V	58276	1200	300	RAD***
KKTW G3 126 Radar-V	58277	1200	600	RAD***
KKTW G3 128 Radar-V	58278	1200	800	RAD***

\*\*\* RAD - Roof section for radar sensor (placed directly next to KKT G3 door section (Automatic))

## ACCESSORIES

NAME	ART. NO.	LENGTH (mm)	CABINET WIDTH (mm)	FUNCTION	COLOR
KKTW G3 Wall-fixing	57979	2400	****	BLACK	
KKTW G3 Wall-fixing-V	58279	2400	300	****	WHITE
IBS 3 X1-S	57108				BLACK
IBS 3 X1-V	58282				WHITE

\*\*\*\* 2400 mm wall-fixing. For 3 x KKTW G3 128 or 4 x KKTW G3 126. Required for KKTW or KKTW.



KKTW G3 Wall-fixing



IBS 3 X1-S



## THE ENTIRE SUPPLY CHAIN

Enoc takes care of the entire supply chain and ensures that the customer's needs and wishes are in focus. We take responsibility all the way from project planning to on-site assembly. Fast and smooth for our customers with deliveries on time and quality-assured assembly on site. Smart and safe for everyone.







## THE ENOC WAY

Enoc is the leading manufacturer of enclosures and accessories for computer installations. The company has its headquarters in Sweden and sales offices in Germany and representatives in five other countries. Our production is based on a flexibility and ability to quickly customize the manufacture to markets demand. Products are characterized by quality, detail flexibility and design. At Enoc we are committed to finding the solution that best fits you. That is what we call "The Enoc way".

DETAILS MAKE THE DIFFERENCE

Enoc System, Box 159  
SE-334 23 Anderstorp, Sweden  
Tel: +46 (0)371-588 160  
[enocsystem.com](http://enocsystem.com)