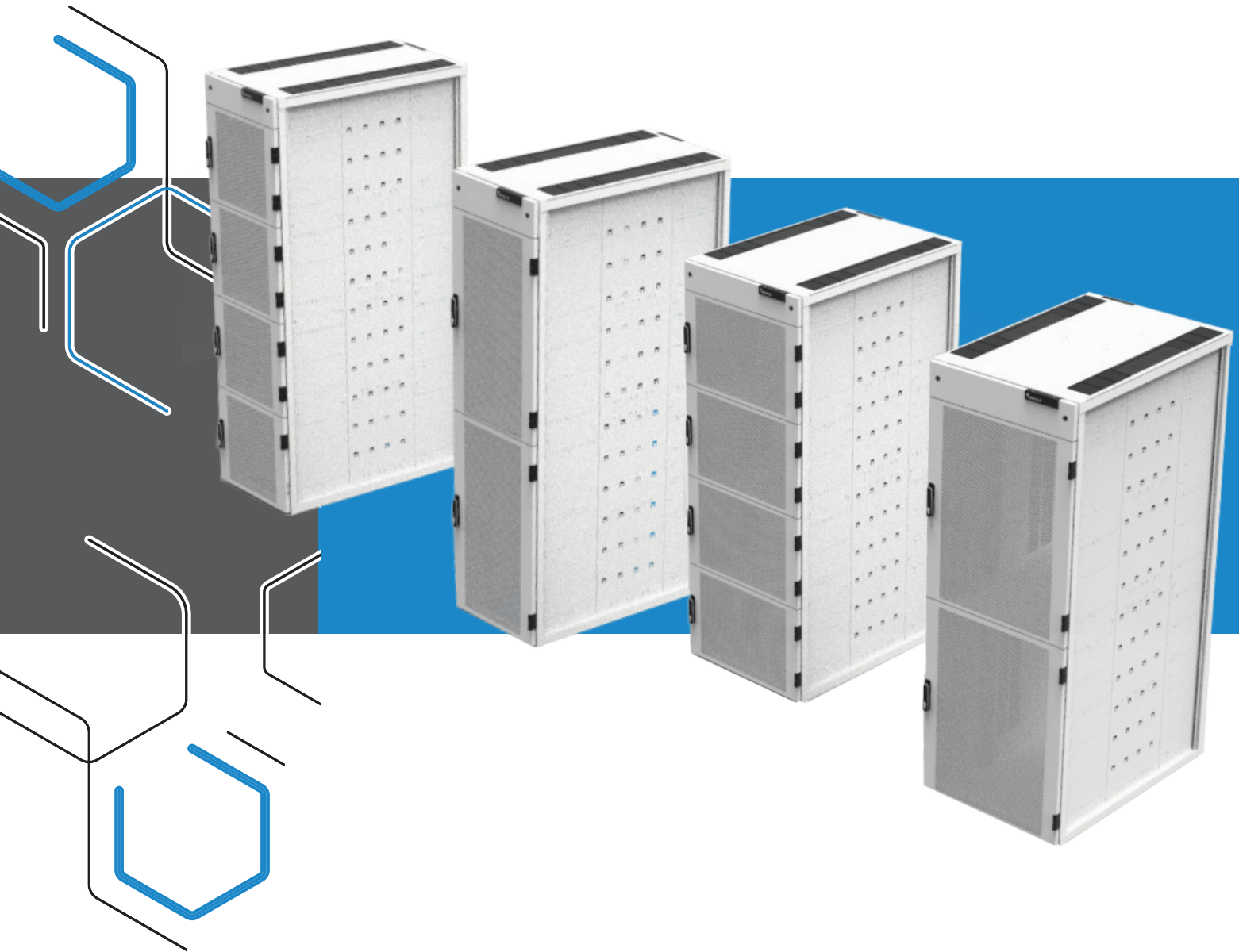


NEXPAND

TECHNICAL DATA SHEET
COMPARTMENTALISED COLOCATION CABINETS

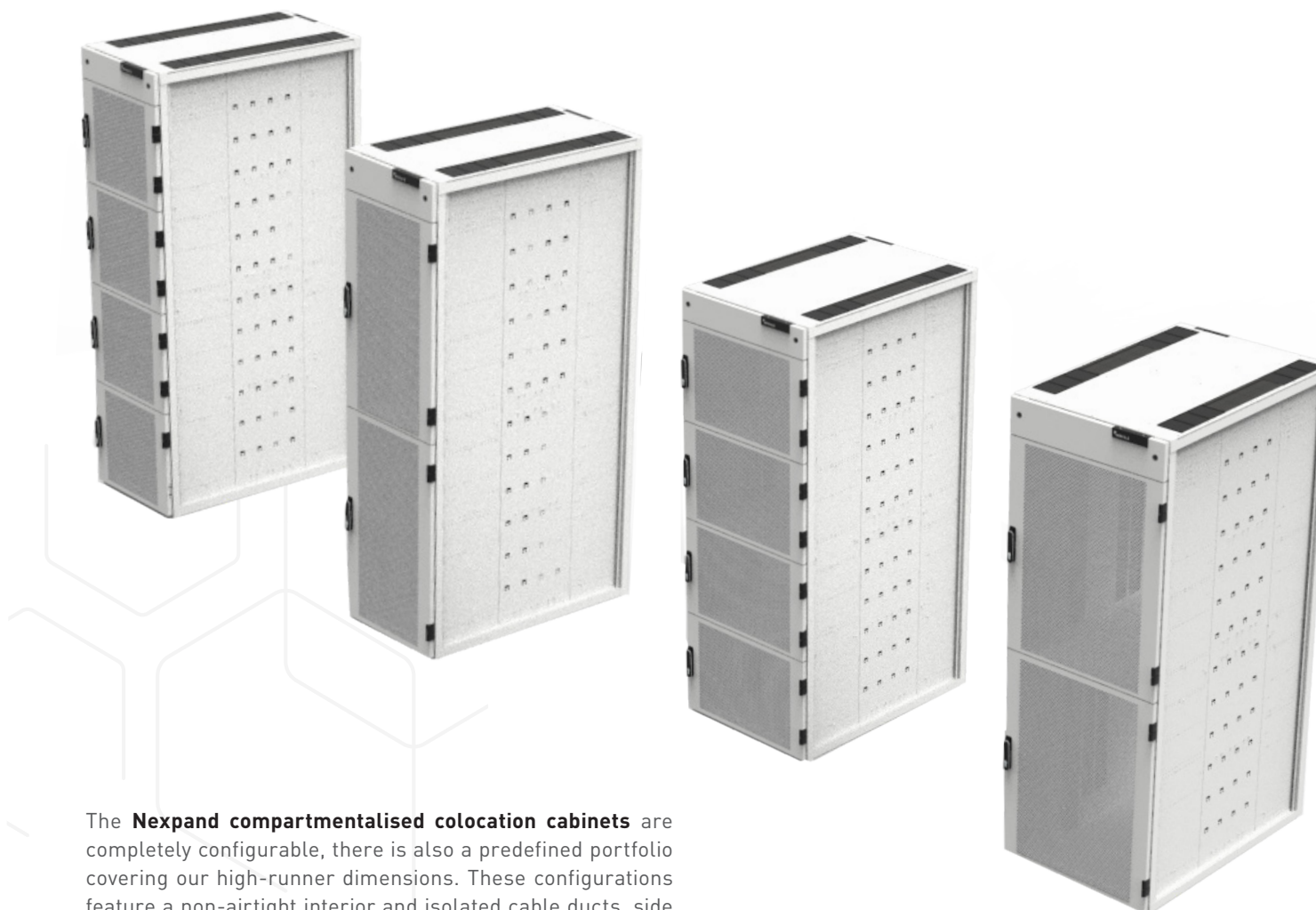


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COMPARTMENTALISED COLOCATION CABINETS

The **Nexpand compartmentalised colocation cabinets** are perfectly suited for combining multiple end customers in one cabinet while keeping them safely separated. We offer a choice between a two and four times compartmentalised cabinet. The compartments are completely individualized with the use of fixed plateaus, all have separate and protected data and power cable ducts. There is a space reserved at the top of the cabinet for the data center owner, the facility compartment, which can also feature VMRs inside. The colocation cabinets can be configured in varying heights, widths and depths.

SPECIFICATIONS		
Dimensions:		
Height	U	42 (2 CMPT) or 47 (2/4 CMPT)
Height	mm	1978 or 2200
Width	mm	600 or 800
Depth	mm	1000 or 1200
General:		
Colour	RAL 9003 (white) / RAL 9005 (black) Interior always white for improved visibility	
Static load capacity	kg	1000 - evenly distributed as maximum load
Earthing	Fully earthed with central earthing point	
IP grade	IP20	
Standards compliancy	IEC-60297-3-109 ; IEC-60297-3-100	
	IEC-61587-1	
	Environmental: C1, A1 Static Load LT1, ST1, NL5	
Interior:		
19-inch profiles	pcs	4 • steel, powder coated
Adjustability (depth)	Adjustability in steps of 20mm	
U marking	1st U at bottom	
Position, front profiles	Pre-mounted 80/200 mm (1000/1200 mm deep) from the front of the door	
Position, rear profiles	Pre-mounted at 740 mm pitch	
Compartments		
	42 U	2 CMPT - 20 U + Fac.CMPT - 1,5 U
	47 U	2 CMPT - 22 U + Fac.CMPT - 2,5 U
	47 U	4 CMPT - 11 U + Fac. CMPT - 2 U
	*Facility compartment only at top of cabinet	
Cable ducts	mm	80 x 40 (depth x width) in 600 width cabinets
	mm	80 x 80 (depth x width) in 800 width cabinets Start +20 mm off-center from front of cabinet
Frame:		
Material	Aluminium extrusions	
Finishing	Powder coated	
Front/rear closure:		
Front door	80% perforated single door	
Rear door	80% perforated single door	
Security	2-Points-Fix-Easy swivel handle with a blind stop, compatible with Euro cylinder locks	
Material	Steel	
Finishing	Powder coated	
Hinges	Reversable and fast replacement • Max. rotation degree 260°	
Left/right closure:		
Material	Steel	
Finishing	Powder coated	
Roof:		
Fixed layout	Front/Rear with cover panels per 200/300 mm (1000/1200 mm deep)	
Modularity	Modular inserts per 100mm. Brush predefined option	
Inserts		
Cover panels	Possibility to 'break' 1x200 mm to 2x100 mm • Material: ABS • Flammability: UL 94 V-0	
Cable entry guides	Material: ABS • Flammability: UL 94 V-0	
Brushes	Material: Polyamide 6 • Flammability: UL 94 HB	



The **Nexpand compartmentalised colocation cabinets** are completely configurable, there is also a predefined portfolio covering our high-runner dimensions. These configurations feature a non-airtight interior and isolated cable ducts, side panels can be ordered separately.

SIDE PANEL

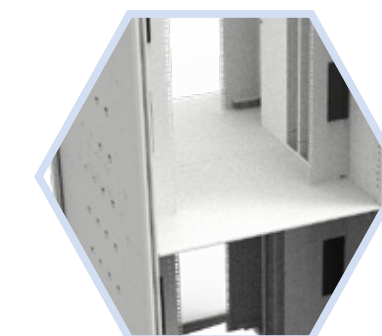
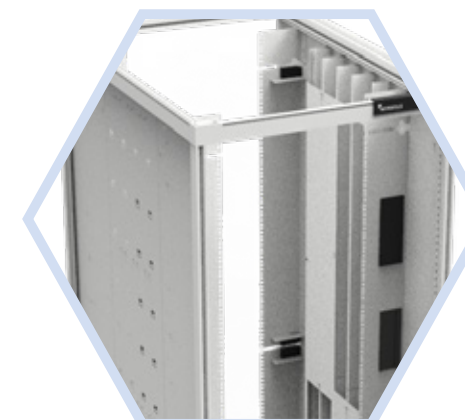
A side panel is specially used for end-of-row applications, this makes even more sense for colocation solutions since sides are closed by default due to the colocation construction. Side panels provide you with a high quality aesthetic finishing. Full-height side panels are compatible, equipped with quarter turn square locks.

AIRFLOW MANAGEMENT

Airflow management is the efficient guidance of the various airflows in data centers to keep the cold and hot air separated optimally. To optimize that cooling process, air leakage and recirculation must be minimized by using an airtight colocation interior. These can be chosen when configuring your colocation solution, not included in the predefined configurations offered. Even when adjusting the 19" profiles the air tightness is guaranteed. The 800mm wide side-skirts feature cable throughput possibilities in the area next to the 19" profiles.

CABLE MANAGEMENT

Each compartment has its own vertical cable ducts to ensure separated cable routing. Both connectivity and power can be routed through a dedicated cable duct. A cabinet with 4 compartments shall have 1 cable duct on each side. A cabinet with 2 compartments shall have 2 cable duct on each side.



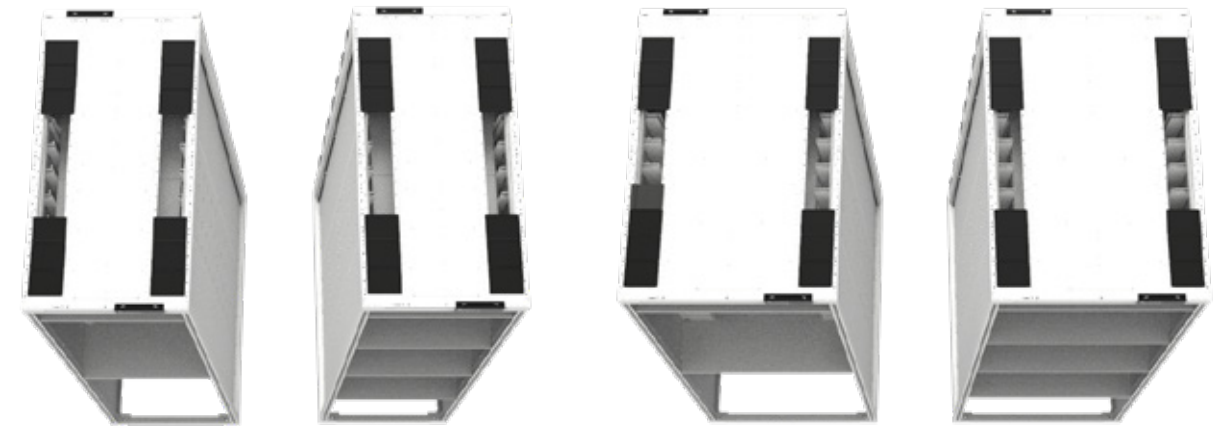
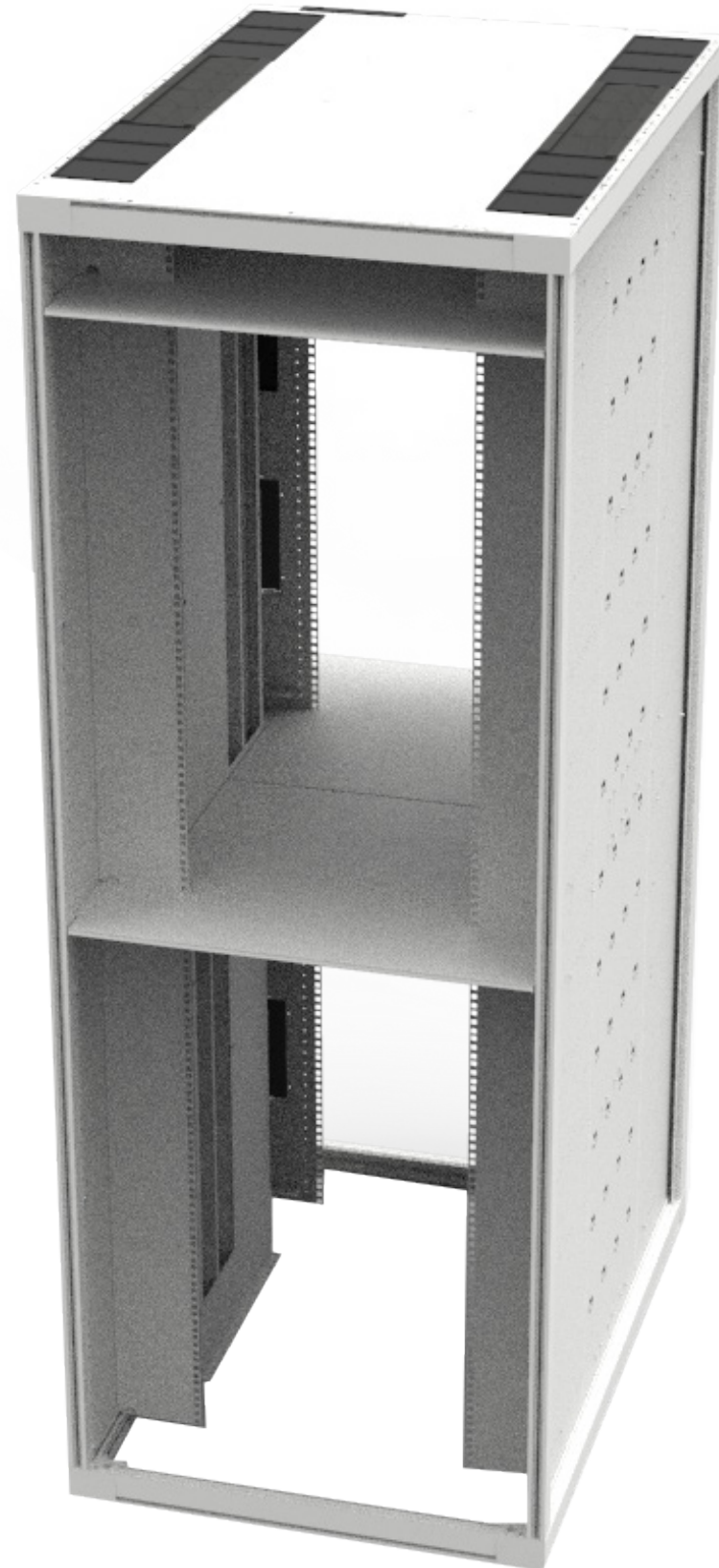
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COMPARTMENTALISED COLOCATION CABINETS

General features

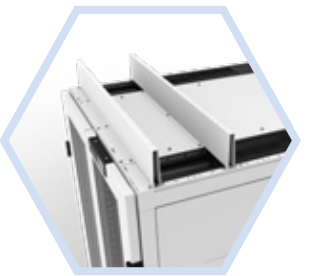
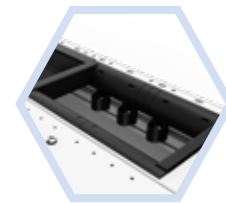
FRAME

- Light and solid aluminium frame with the capability to handle 1000 kg of static load.
- VMRs feature great flexibility in the depth direction in steps of 20mm.
- For 1000 mm deep cabinets the front VMRs can be placed in a range of 80 to 180 mm from the front door and ensure 740 mm distance with rear VMRs.
- For 1200 mm deep cabinets the front VMRs can be placed in a range of 180 to 280 mm from the front door and ensure 740 mm distance with rear VMRs.
- Threaded mounting rails in width, depth and height direction enable stepless adjustability for most accessories.
- Nearly all accessories and components accessible from inside of the cabinet.
- Next-level energy efficiency is possible with the use of airtight colocation interior and VMRs.



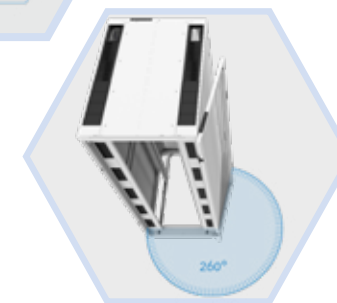
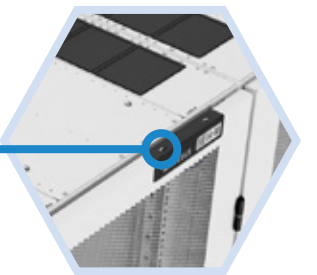
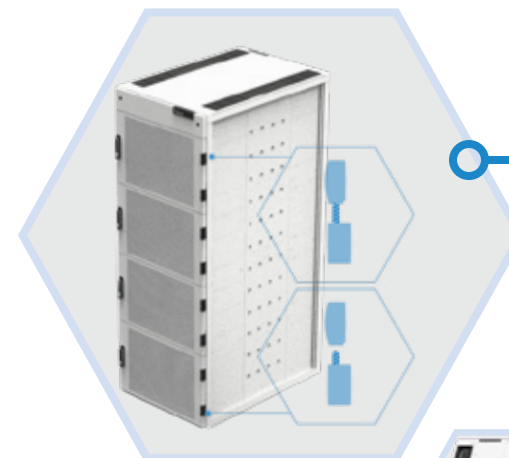
ROOF

- Solid platform for installation top of cabinet infrastructure.
- Roof inserts follow a multiple of 100 mm.
- Nearly full-depth cut-out.
- Optimal accessibility for cabling right on top of cable duct.
- Cover plates to provide best airtight solution by default where cable ducts are not located.
- Cable pull relief available.
- Cable dividers on top of cabinet follow the same modularity as the inserts.
 - Extendable per cabinet to create a duct system.
 - Cover plates and end covers available for dust/debris protection and airtight solutions.
 - Powder coated in same color as cabinet.
- Roof is compliant with hot/cold aisle containment.



DOOR

- Predefined position for identification.
 - Place serial numbers, barcodes or QR codes to code and personalize your cabinets.
- Clean and minimalistic design.
- Easy door installation.
- High level perforation.
- Sizes for 2 and 4 compartments.
- Full integration of the locking mechanism and cabling.
- High level access security.
- Support of different types of locking possible.
- Replacement of locking through detachable cover plate rear.
- Door reversible (left/right hinged).
- Door can open 165° in case of bayed cabinets.
- Door can open 260° in case of stand-alone cabinets.



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COMPARTMENTALISED COLOCATION CABINETS

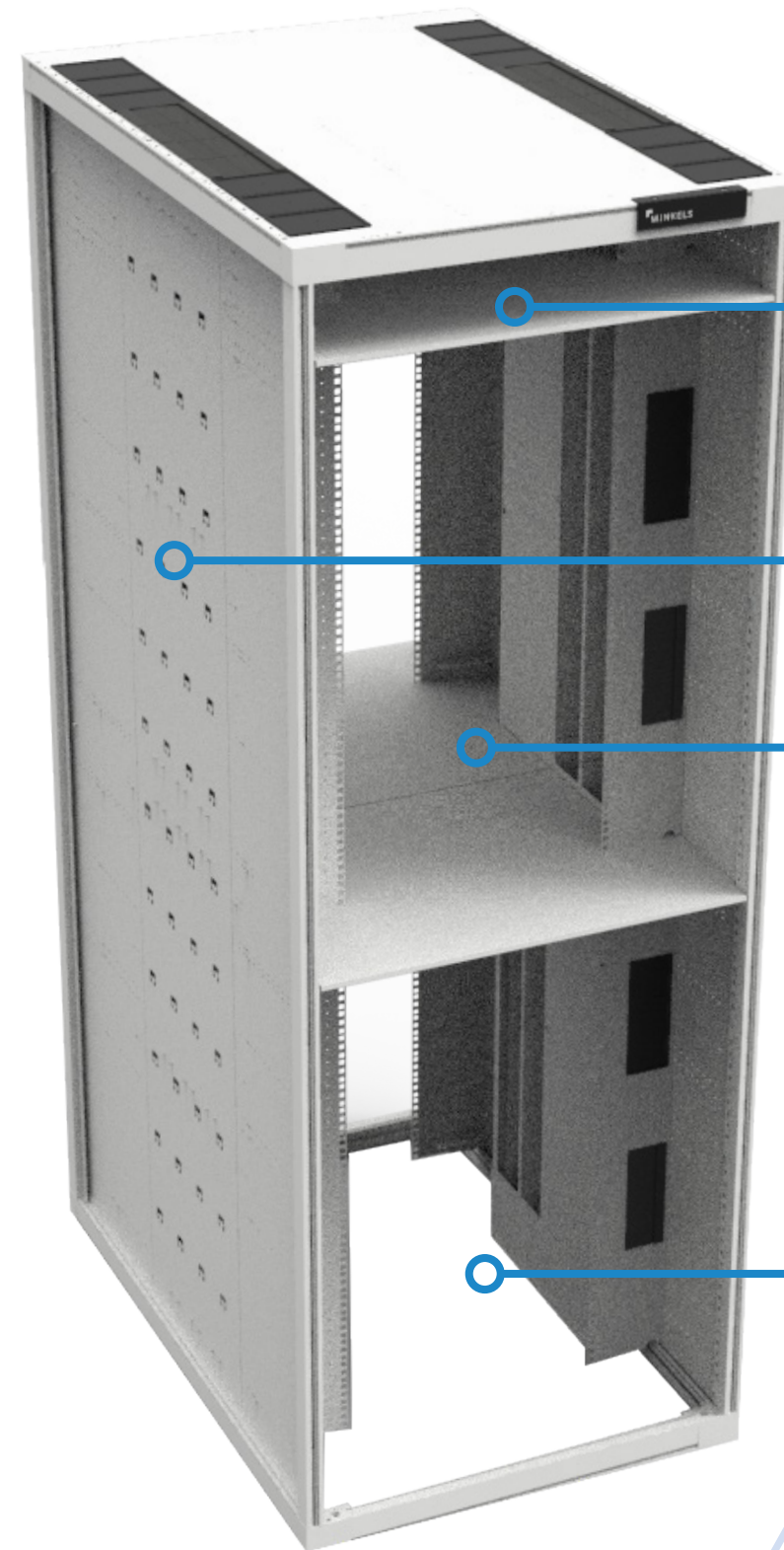
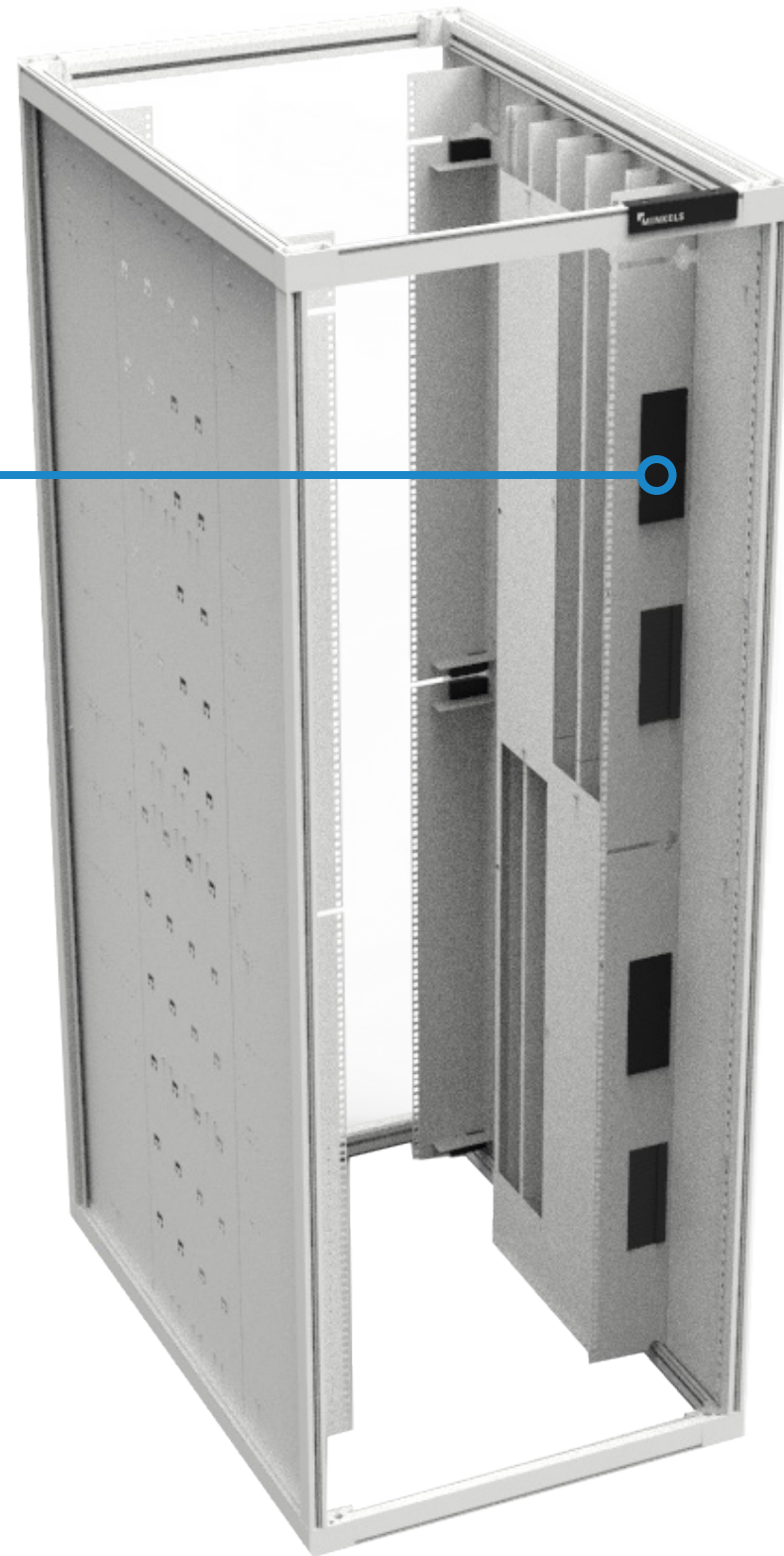
Unique features

COLOCATION CABINETS WITH AIRTIGHT INTERIOR

- Best in class air tightness.
- Sealing cabinet-to-cabinet is optional.
- Sealing cabinet-to-floor and cabinet-to-aisle containment is optional
- Various VMRs options:
 - Airtight VMRs do not allow cable management accessories on the VMR.
 - Non-airtight VMRs allow cable management accessories.
- Brushes, foam or cover plates can be used to upgrade the airtightness of the solution where cables are not present.

CABLE DUCT IN COLOCATION CABINETS

- Fixed position inside the frame.
- Enclosed and individual solution for each customer.
- Multifunctional cable duct to organise your cabling
 - Using tie-wraps and/or velcro



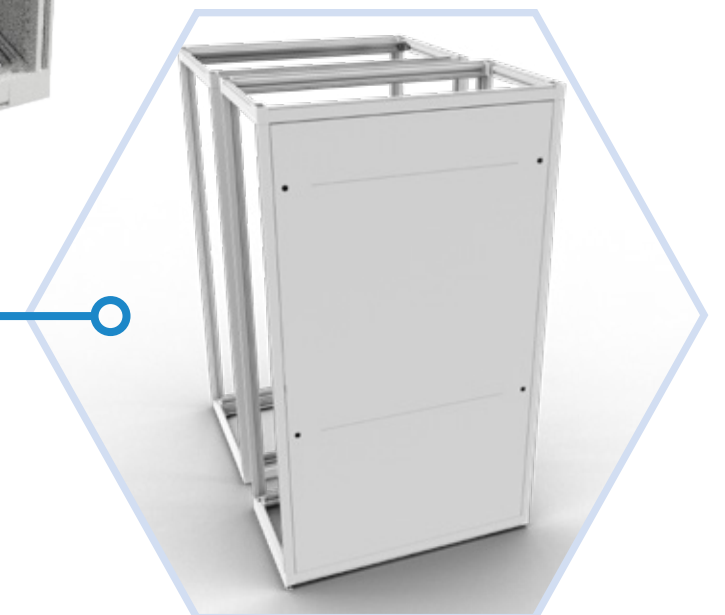
FACILITY COMPARTMENT

INTEGRATED CABLE MANAGEMENT

COMPLETELY SEPARATED COMPARTMENTS - HIGH LEVEL OF SECURITY

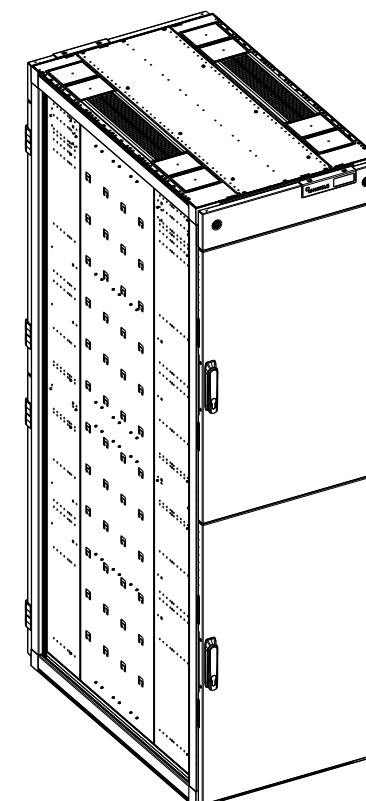
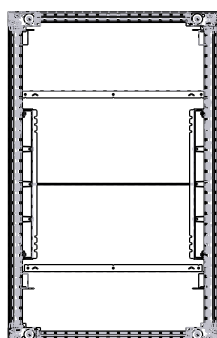
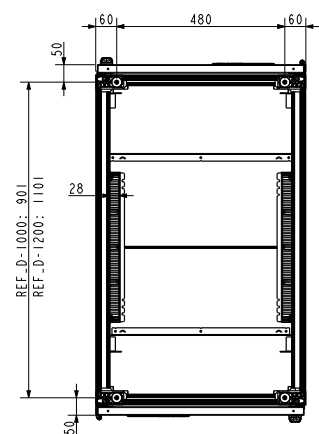
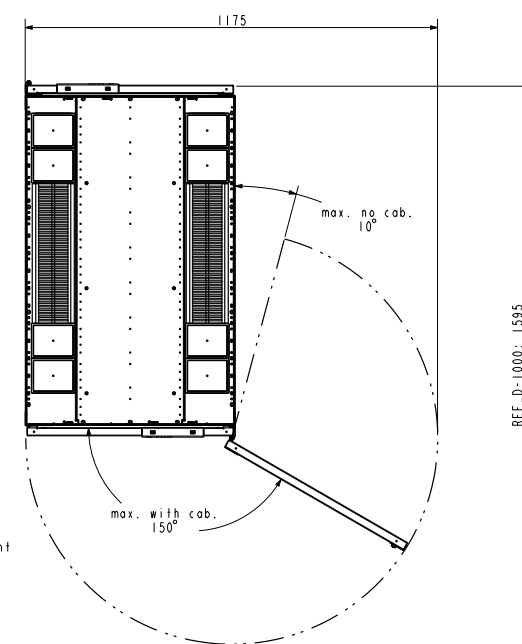
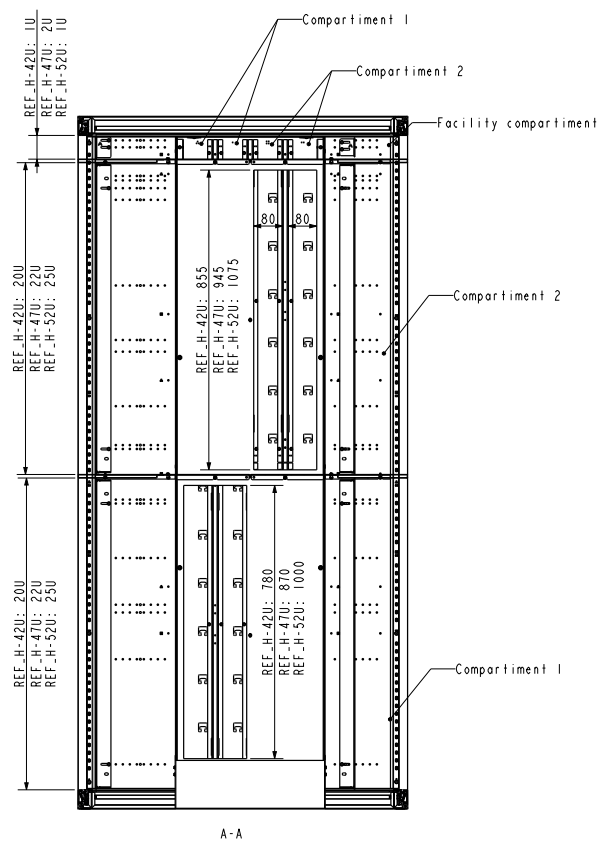
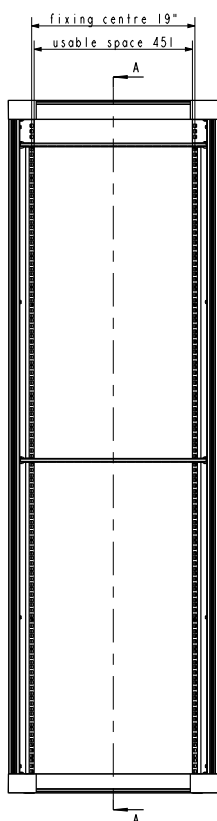
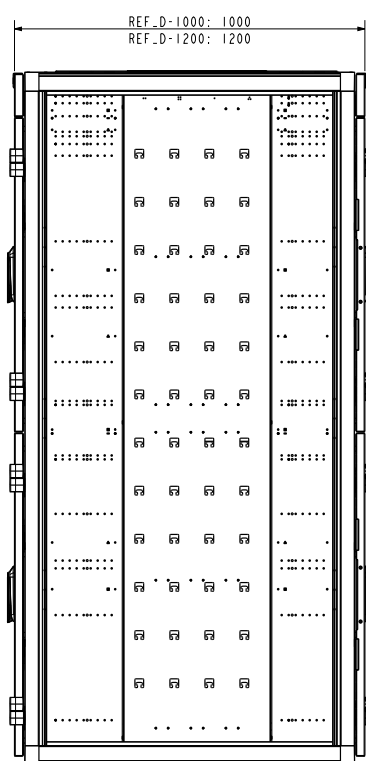
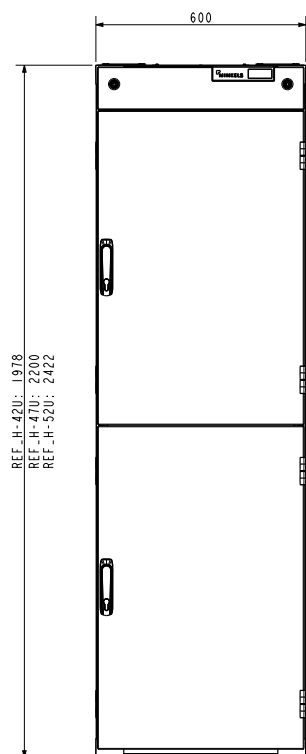
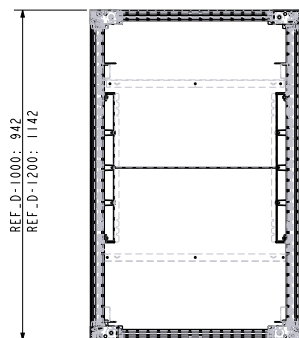
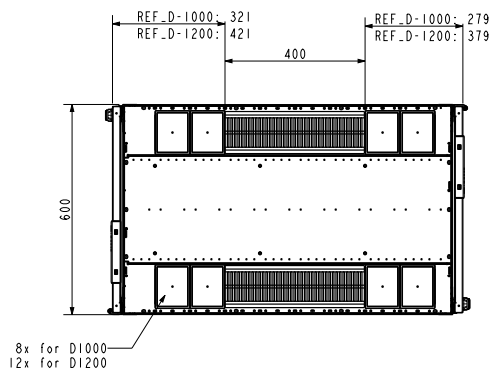
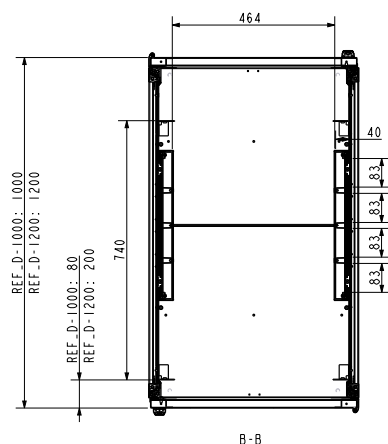
SIDE PANELS IN COLOCATION CABINETS

- Side panels are used when stand-alone is preferred or when the cabinet is placed at the end of the row.
- Earthing connection is established when locking the panels.
- Full-height powder coated side panels



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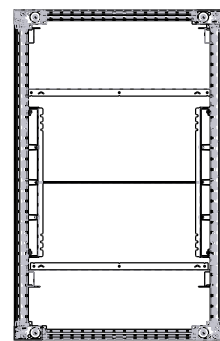
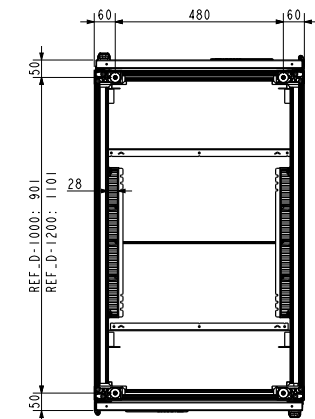
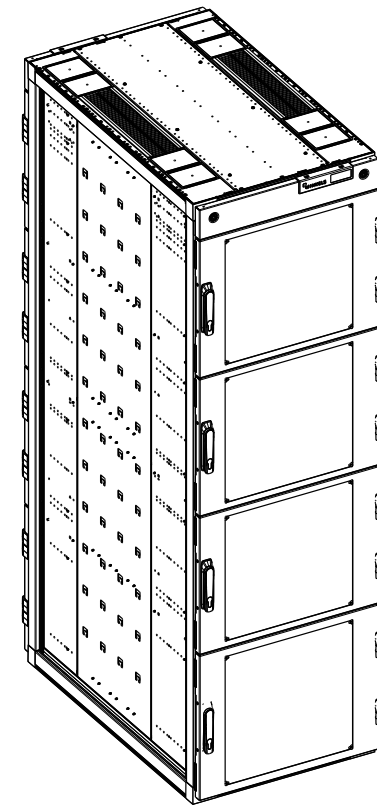
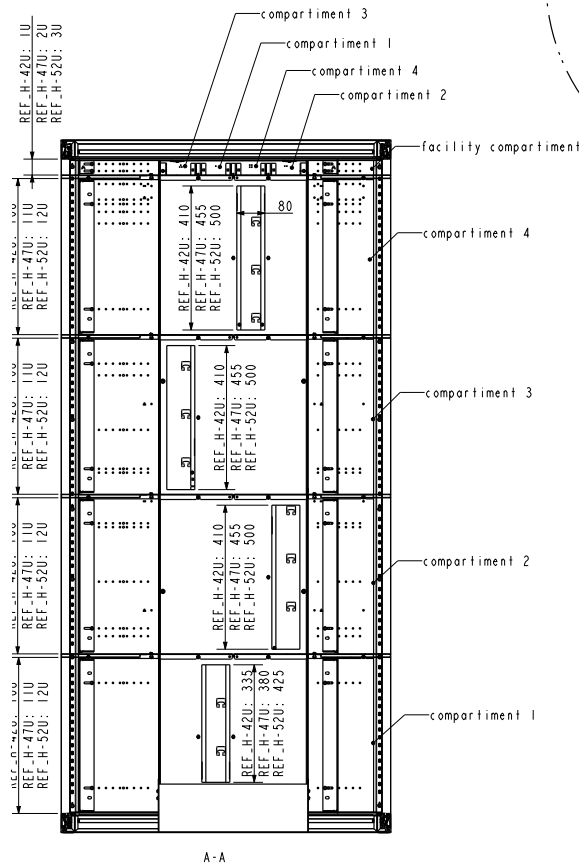
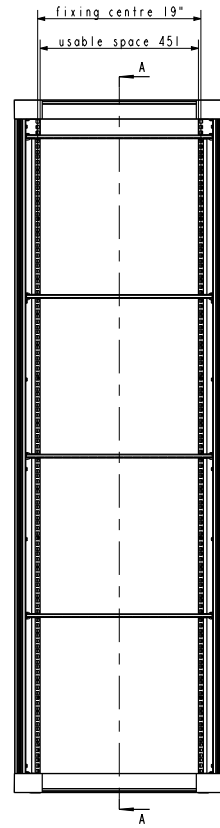
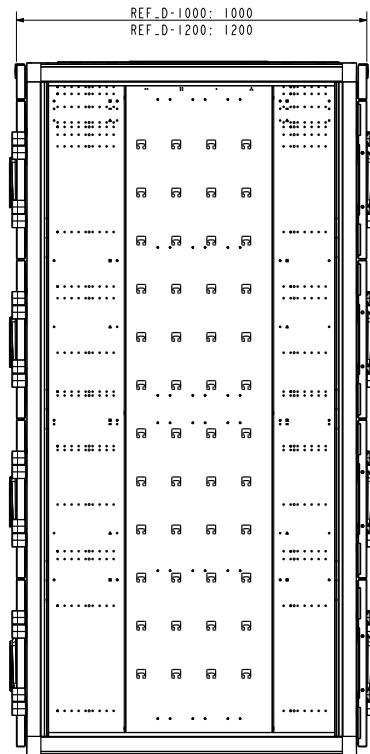
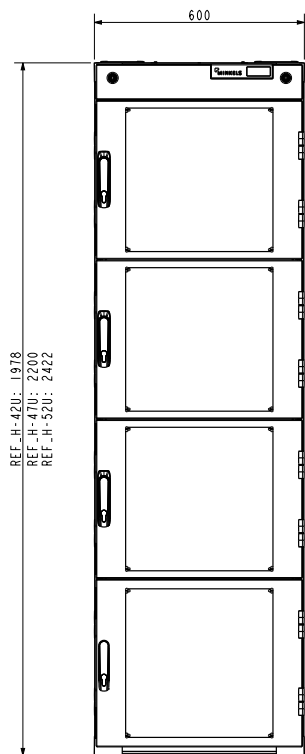
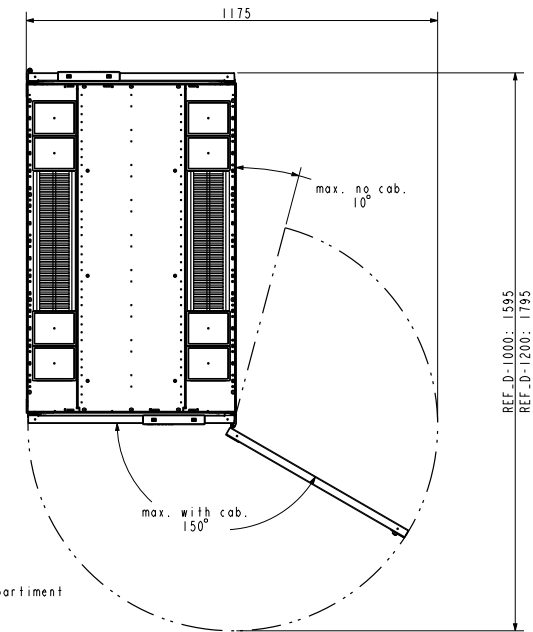
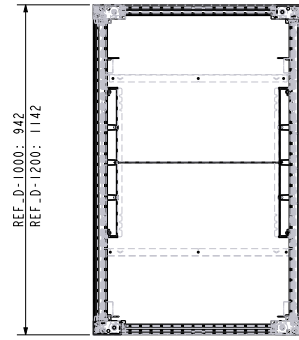
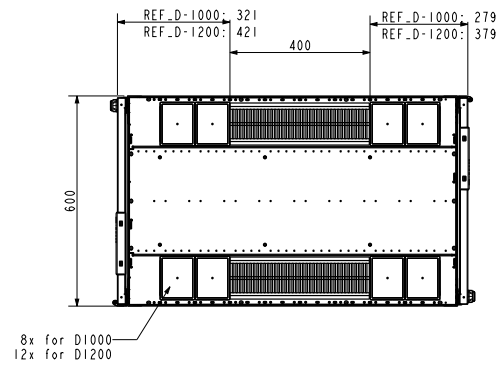
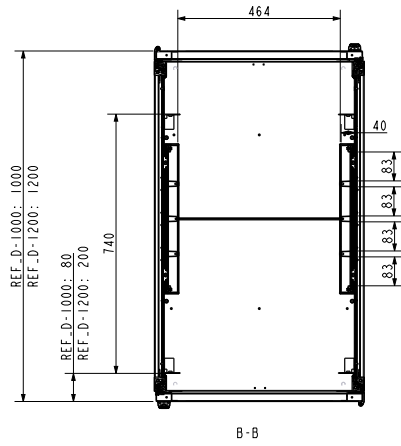
COLOCATION CABINETS - TWO COMPARTMENTS - 600MM



Article numbers:
B120X-06 XX XX-A02
 Revision
 Cabinet height REF_H (XX U)
 Cabinet depth REF_D (XX x 100mm)
 Cabinet width REF_W (XX x 100mm)
 -2 Compartments REF_C Nexpanse colocation

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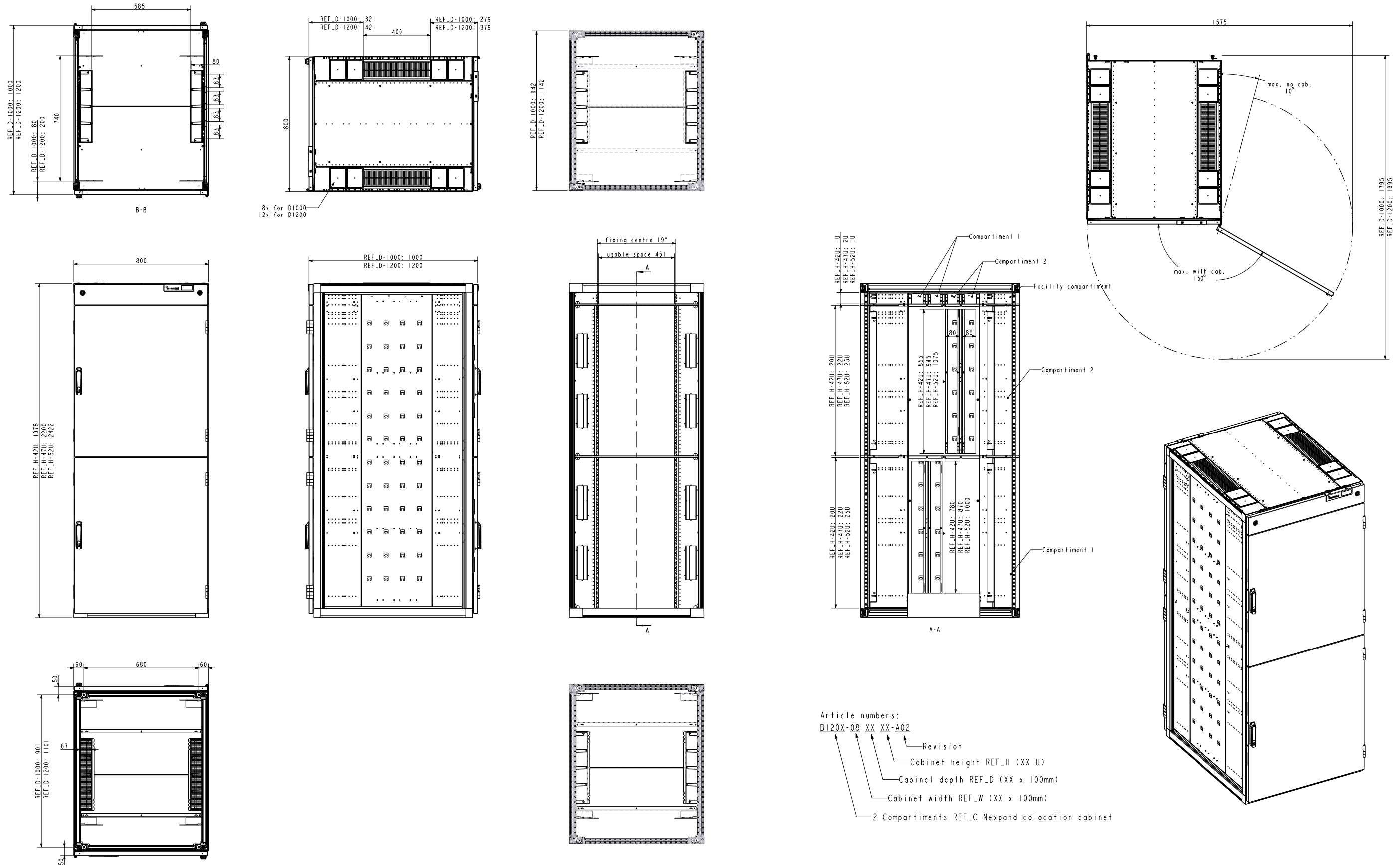
COLOCATION CABINETS - FOUR COMPARTMENTS - 600MM



Article numbers:
B140X-06 XX XX-A02
 Revision
 Cabinet height REF_H (XX U)
 Cabinet depth REF_D (XX x 100mm)
 Cabinet width REF_W (XX x 100mm)
 4 Compartments REF_C Nexpand colocation cabinet

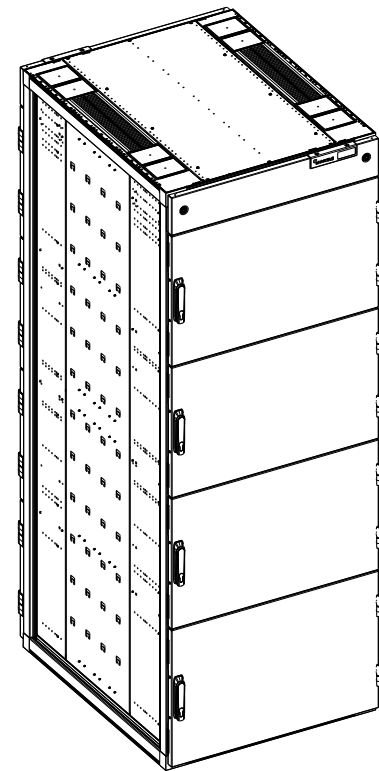
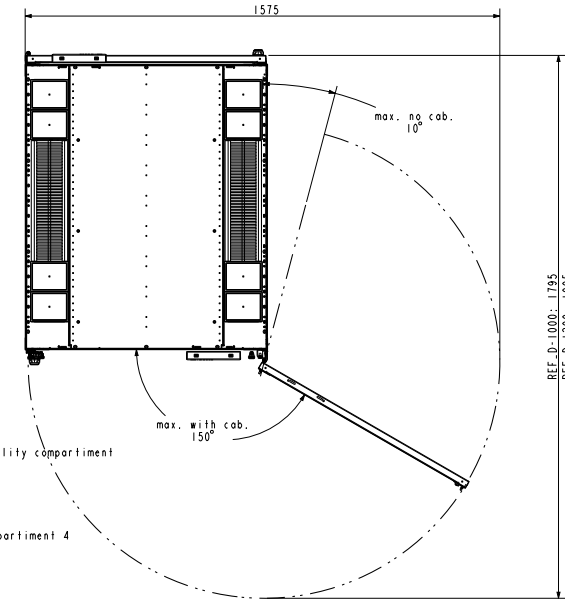
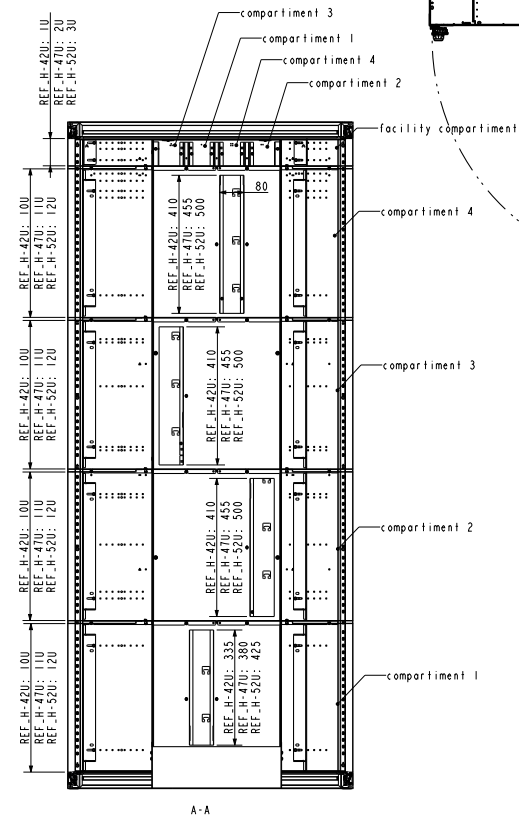
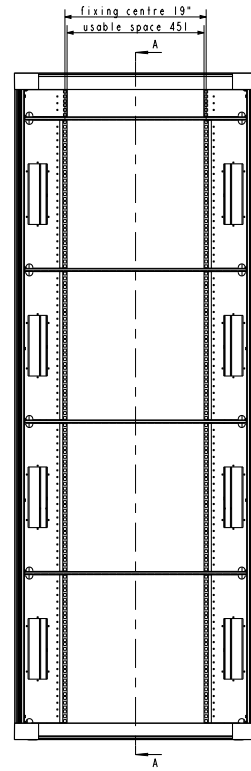
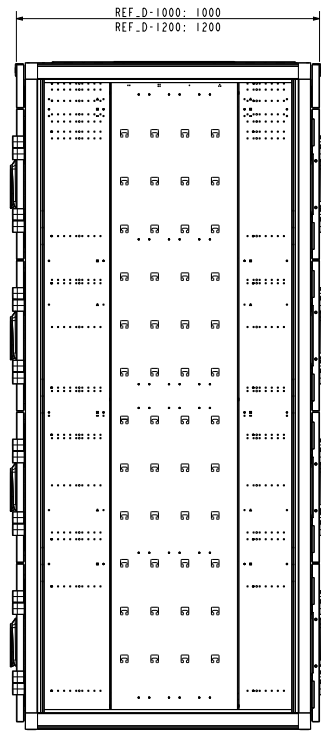
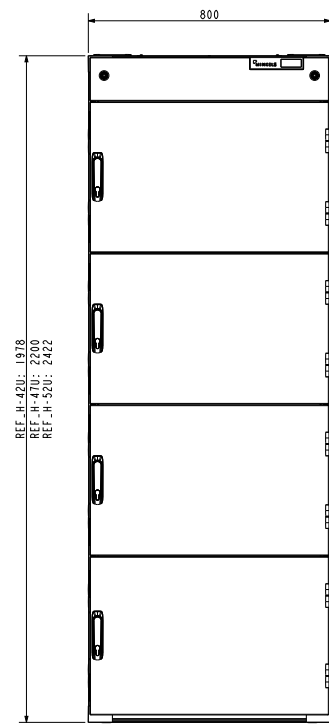
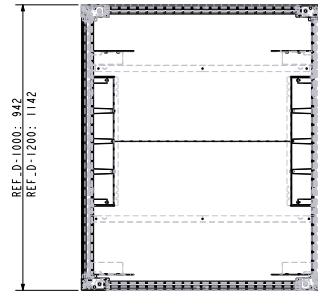
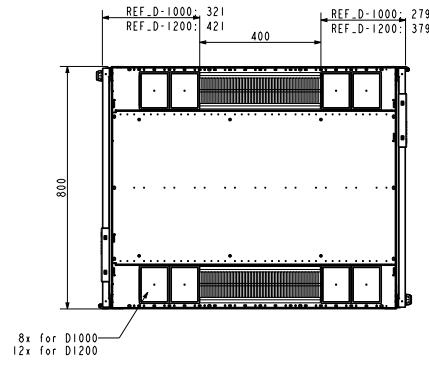
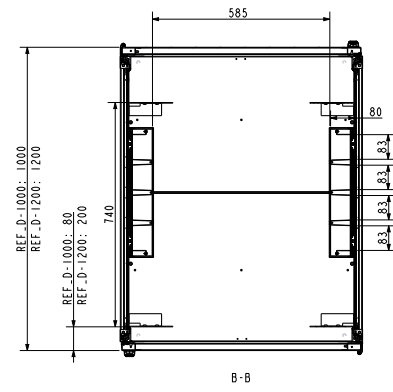
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COLOCATION CABINETS - TWO COMPARTMENTS - 800MM



NEXPAND

COLOCATION CABINETS - FOUR COMPARTMENTS - 800MM



Article numbers:
B140X-08 XX XX-A02
 Revision
 Cabinet height REF_H (XX U)
 Cabinet depth REF_D (XX x 100mm)
 Cabinet width REF_W (XX x 100mm)
 4 Compartments REF_C Nexpand colocation cabinet

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SPECIFICATIONS OF THE COLOCATION CABINET

- Standard 19" profiles
- Leveling feet are included
- Baying set is included
- Roof has a cut-out in the middle which is covered with blindplates
- The cut-out on the left and right side is covered with brushes for cable entry, the rest is filled with blind plates
- Doors are provided with blind stops
- Default hinge direction is on the right side
- Side panels are not included

Colocation cabinets

• 2 Compartments



600 mm

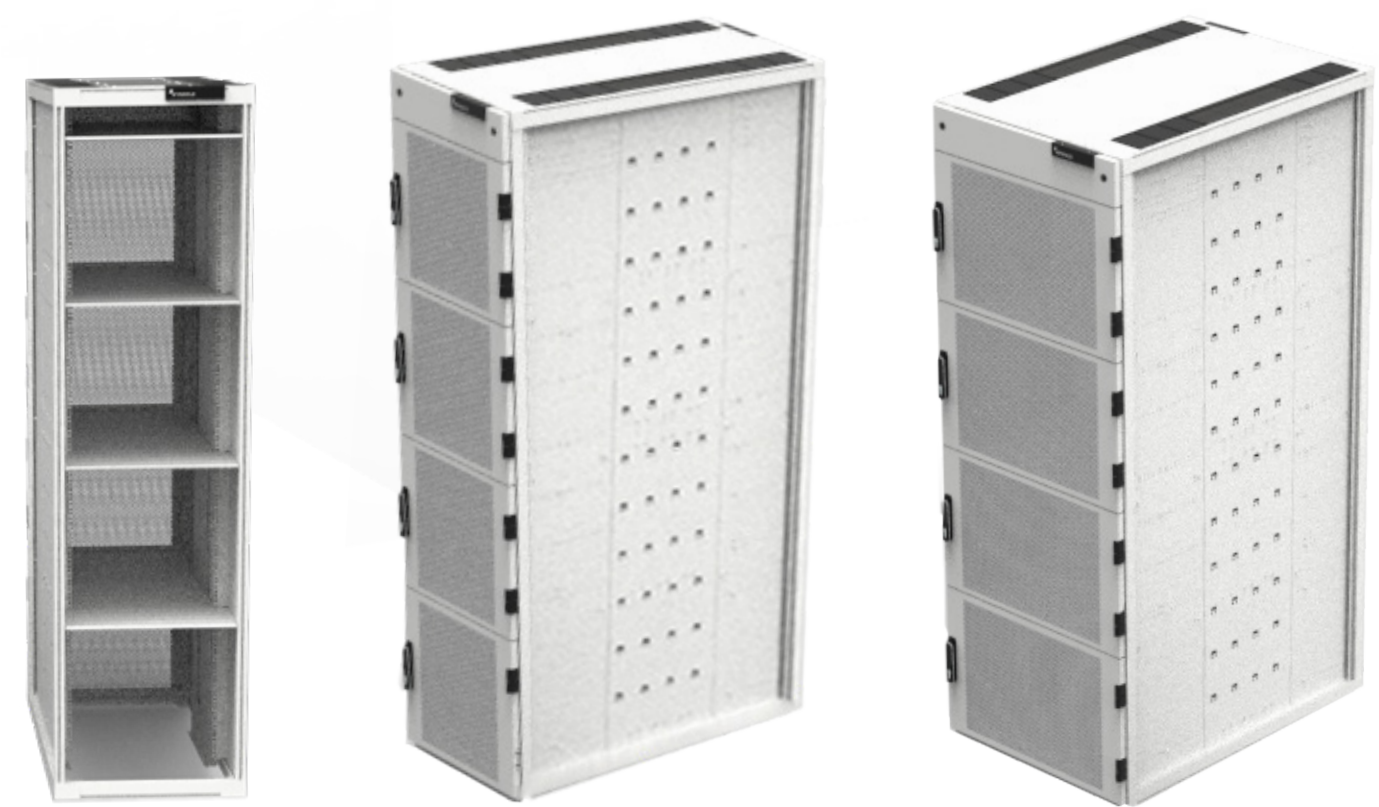
800 mm

Number of compartments	Height	Width (mm)	Depth (mm)	Black (RAL 9005)	White (RAL 9003)
2	42 U	800	1000	B1209-081042-000278	B1204-081042-000278

Number of compartments	Height	Width (mm)	Depth (mm)	Black (RAL 9005)	White (RAL 9003)
2	47 U	600	1000	B1209-061047-000273	B1204-061047-000273
			1200	B1209-061247-000274	B1204-061247-000274
		800	1000	B1209-081047-000276	B1204-081047-000276
			1200	B1209-081247-000275	B1204-081247-000275

Colocation cabinets

• 4 Compartments



600 mm

800 mm

Number of compartments	Height	Width (mm)	Depth (mm)	Black (RAL 9005)	White (RAL 9003)
4	47 U	600	1000	B1409-061047-000279	B1404-061047-000279
			1200	B1409-061247-000277	B1404-061247-000277
		800	1000	B1409-081047-000281	B1404-081047-000281
			1200	B1409-081247-000280	B1404-081247-000280

On www.minkels.com/technical-datasheets you will find the technical data sheets containing extensive technical information about the different Nexpan cabinets. If you do not find the information you are looking for in these datasheets, do not hesitate to contact us. We will be happy to help you! You can find the contact details on the back side of this technical datasheet.



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