

Data Center Solutions



Data Center Cabinets

Technical Specifications

- ✓ A new generation design.
- ✓ Protection level: EN 60529 IP20
- ✓ Front and rear doors are 80% perforated for best air circulation.
- ✓ Doors can be opened by 170°. It is 135° when mounted side by side.
- ✓ 19" mounting rails are moveable in depth.
- ✓ The front and rear doors are with 9 mm wide honeycomb formed hexagonal perforations.
- ✓ Static load carrying capacity is 1,500 kg. Dynamic load carrying capacity is 1400 kg.
- ✓ Dimensions are as standard; 42U, 45U, 47U height, 600 or 800 mm width and 1000, 1100 or 1200 mm depth. Project-based productions can be in 48U, 52U, 54U, 62U or any desired heights. Data center cabinets are capable of meeting all needs with their rich accessory options.
- ✓ Suitable for hot / cold aisle applications.
- ✓ Provides maximum internal usable space for servers.
- ✓ Provides professional cabling at the top, bottom and inside of the rack cabinet.
- ✓ High grounding continuity is available. The grounding resistance is below 100 mΩ. EN 61587-1 subclause 8.2 application procedure is according to IEC 61010-1.
- ✓ Provides an aesthetic and professional appearance in the applied areas, because of its design.
- ✓ There are solutions available in the design for the application of on-cabinet cabling accessories, air routing accessories, cable management and organizing accessories.
- ✓ Suitable for many different top closing solutions. It is suitable for all conventional standard corridor closure types, sigma profile corridor closure, barisol illuminated corridor closure, fire-opening type automated ceiling blocks and all corridor closure applications.
- ✓ Suitable for the use of electronic and mechanical locks.



Data Center Cabinets

Compatibility Chart

Compatibility Chart	
EN 60950-1	Information technology equipment - Safety Part 1: General requirements - CE compatibility
EN IEC 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
UL 60950-1- UL2416	Information Technology Equipment - Safety - Part 1: General Requirements - UL compatibility
EN 61587-1	Mechanical Structures For Electronic Equipment - Tests For IEC 60917 And IEC 60297 Series - Part 1: Environmental Requirements, Test Set-Up And Safety Aspects For Cabinets, Racks, Subracks And Chassis Under Indoor Conditions
2011/65/EU	The restriction of the use of certain hazardous substances in electrical and electronic equipment, RoHS
EN IEC 60068-3-3	Environmental testing - Part 3-3: Supporting documentation and guidance - Seismic test methods for equipment
Telcordia GR 63 CORE ZONE 4	Telcordia Technologies Earthquake Environment Criteria and Verizon VZ.TPR.9305 Section 7.7 Earthquake Requirements
EN 61587-1/4.2, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-30	Climatic and environment
EN 61587-1/5.2.1	Static Mechanical Load Lifting
EN 61587-1/5.2.2	Static Mechanical Load Stiffness
EN 61587-1/5.3.1 EN 61587-1/5.3.3, IEC 60068-2-6, IEC 60068-2-27	Dynamic Mechanical Load Vibration and Shock, Impact
EN 61587-1/6.2	Earth Bond
EN 61587-1/6.3	Flammability
EN 61587-1/6.4	Degrees Of Protection Provided By Enclosures (Ip Code): IP20
EN 13501-1+A1 (Paint unflammability)	Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. Paint unflammability Classification: A2-S1,d0
EN 13501-1+A1 (Polycarbonate closure unflammability)	Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests. Polycarbonate closure unflammability Classification: B-S1,d0
EN 12150-1	Glass in building. Thermally toughened soda lime silicate safety glass Definition and description : Antistatic, edge grinded, tempered glass
EN IEC 60297	Mechanical structures for electrical and electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19 in) series
EN IEC 60917	Modular order for the development of mechanical structures for electronic equipment practices -- Part 1: Generic standard
EIA/ ECA-310 (D/E)	19" 482,6 mm and U 44,45 mm Height Sizing
EN ISO 9227	Corrosion tests in artificial atmospheres - Salt spray tests
EN ISO 2409	Paints and varnishes - Cross-cut test
TS 2311 EN ISO 2178	Non-magnetic coatings on magnetic substrates - Measurement of coating thickness - Magnetic method
DIN EN 10130 - DC-01 6112 or 7122	Cold rolled low carbon steel flat products for cold forming. Technical delivery conditions
DIN 7985, DIN 965, DIN 7981, DIN 934, DIN 985, DIN 933 - EN ISO 2081	Metallic and other inorganic coatings - Electroplated coatings of zinc with supplementary treatments on iron or steel (screw, nut, washer,etc)

Production Facility Standards	
ISO 9001:2015	Quality Management System
ISO 14001:2015	Environmental Management System

Data Center Cabinets

Main Body Structure

The strength of the cage structure and the resistance to external impacts in the cabinets are produced in accordance with TS EN 61587-1 and TS EN 61587-2 standards.

The cabinet cage structure is produced from welded-monoblock parts, using plate sheet material, with a minimum thickness of t=1.50 mm, reinforced with special bending forms and additional support profiles.

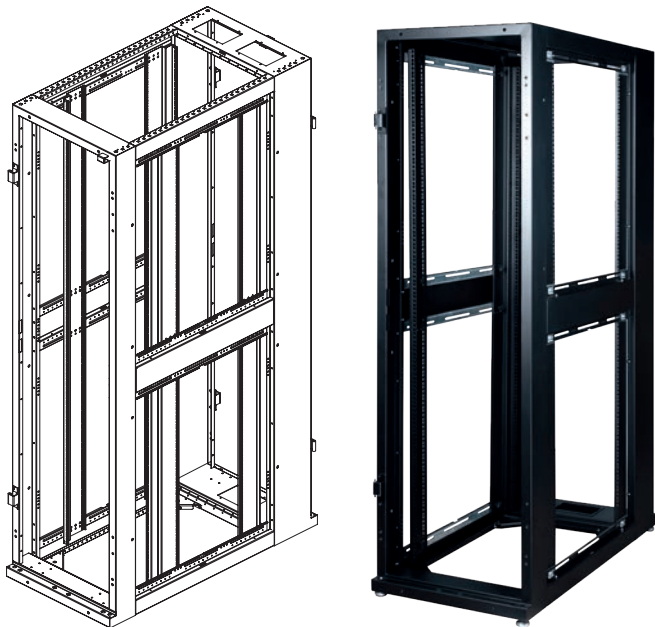
There are no burrs and sharp edges and corners that may pose a danger to the user on the cutting and bending edges, welding and mechanical connection points on this lattice structure.

It has a technological structure. The body consists of monoblock screw mountable parts welded in at least 2 (two) axes (2D-Welding).

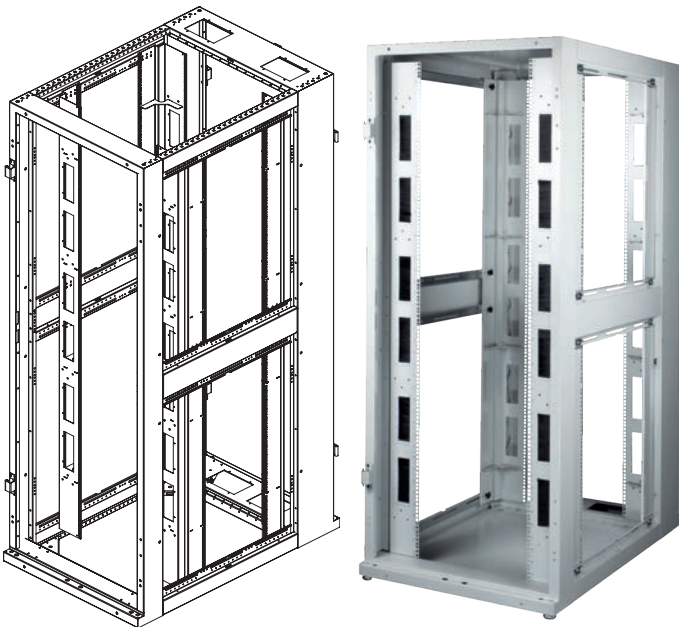
The connections of the monoblock parts that make up the lattice structure are welded to each other with special flange structures of minimum 3.0 mm, and these parts are mechanically assembled from a minimum of 2 (two) points.

It has the possibility of side-by-side mounting and is suitable for single use.

Data Center Cabinet W:600 mm Main Frame Structure



Data Center Cabinet W:800 mm Main Frame Structure



Data Center Cabinets
Seismic+ NEBS GR63 780 kg.

Test Reports and Certifications		
Dynamic Load Carrying Capacity	EN IEC 60068-3-3 Seismic Test	Telcordia NEBS GR 63 ZONE 4 Seismic Test
		
		

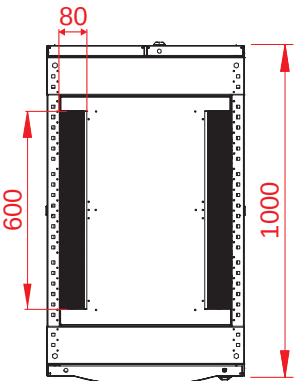
Data Center Cabinets SE Seismic+
Seismic+ NEBS GR63 1020 kg.

Test Reports and Certifications		
Dynamic Load Carrying Capacity	EN IEC 60068-3-3 Seismic Test	Telcordia NEBS GR 63 ZONE 4 Seismic Test
		
		

Data Center Cabinets

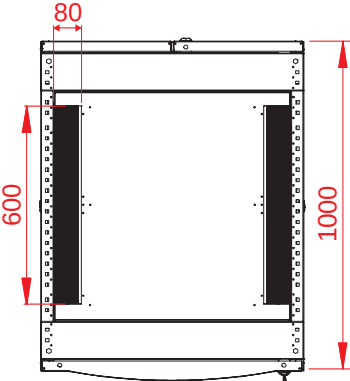
Cable Entry Panels

W:600 mm

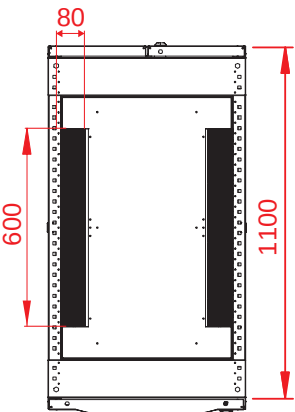


Depth 1000 mm

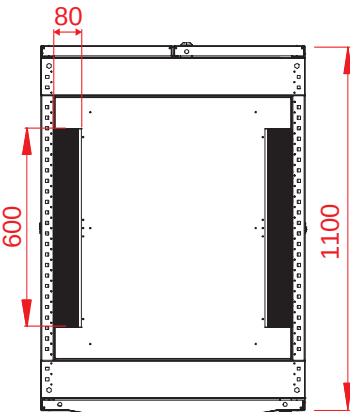
W:800 mm



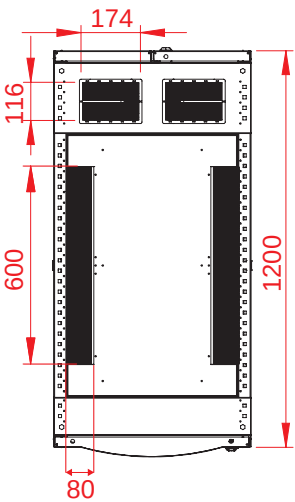
Depth 1000 mm



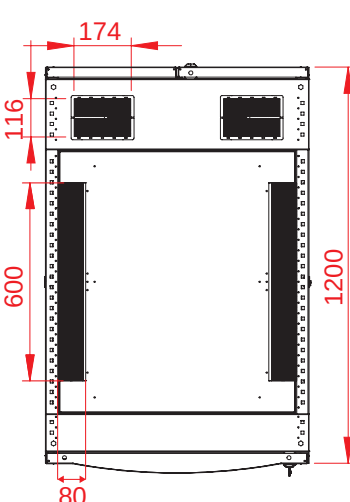
Depth 1100 mm



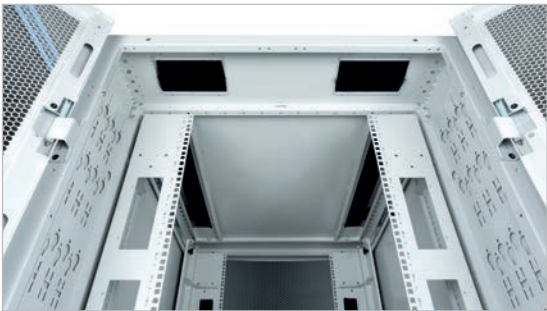
Depth 1100 mm



Depth 1200 mm



Depth 1200 mm



Data Center Cabinets

Cabinet Bottom Chassis, Levelling Feet and Caster Sets

Casters are manufactured to be able to carry a load of 1400 kg. When the cabinet is fully loaded, the cabinet location can be easily changed with a load of 1400 kg. In this caster system application, the maximum height of the cabinet sub-chassis from the ground is 4-5 cm. The casters are designed as replaceable.

Leveling feet; the cabinet has a pinion foot system (balancing/fixing feet) to carry the installed cabinet load. The pinion foot system is placed on the main cage structure of the cabinets and is designed not to protrude beyond the width and depth of the cabinets. With these fixing feet, although the front and rear doors are open, height adjustment can be made according to a maximum floor height of 2 cm without intervening in the 19" device installation area. It has a mechanism to be driven on the wheel when the cabinet is full, by releasing the pinion feet.



Cabinet bottom chassis; Completely open, provides easy mounting to the floor connection, is suitable for a solid, supportable structure with the floor connection kit. It is produced from 3 mm thick electro galvanized coating material. When necessary, the bottom side can be optionally closed.

The cabinet bottom is shipped open. It is recommended that the bottom be open for seismic stand, raised floor access and access to cables. However, upon request, it can be closed with this closure piece, which is ordered as an accessory, after the operations are completed at the bottom as seen in the adjacent picture.



Data Center Cabinet Floor Fixing Kits and Assemblies	
*Product Code	Product Description
LN-ZMN-DPR-LV-60-CC	For W: 600 mm cabinet; front/rear plinth cover panel is for fixing the cabinet to the floor when using with caster and levelling feet.
LN-ZMN-DPR-LV-80-CC	For W: 800 mm cabinet; front/rear plinth cover panel is for fixing the cabinet to the floor when using with caster and levelling feet.

* CC= Color code (LG Light Grey RAL 7035 and BL Black RAL 9005), added by the customer at the time of order. It is shipped with the caster set, levelling feet set and plinth cover panel added to the cabinet configuration.



Data Center Cabinet Bottom Chassis Cover Panels	
*Product Code	Product Description
LN-BCP-ND-6080-CC	W=600 x D=1000 mm bottom cover panel
LN-BCP-ND-6090-CC	W=600 x D=1100/1200 mm bottom cover panel
LN-BCP-ND-8080-CC	W=800 x D=1000 mm bottom cover panel
LN-BCP-ND-8090-CC	W=800 x D=1100/1200 mm bottom cover panel

*CC= Color code (LG Light Grey RAL 7035 and BL Black RAL 9005), added by the customer at the time of order.

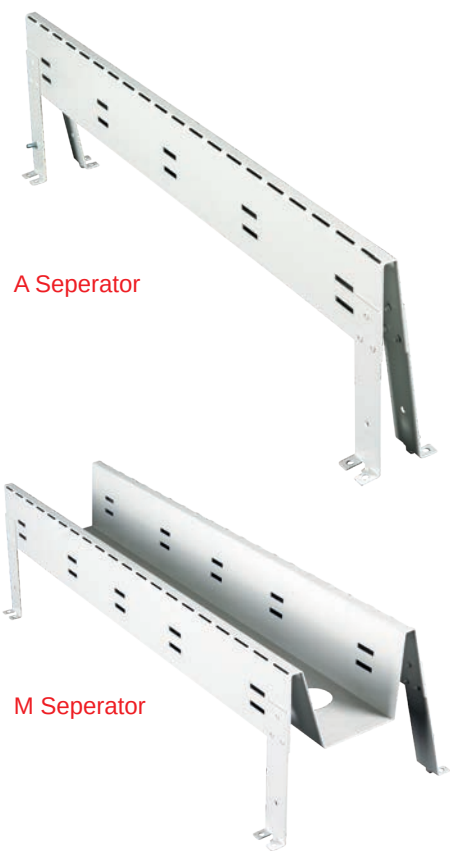
Data Center Cabinets

Cable Routing Separators on Cabinet

Separators are easily mounted on the cabinets without screws in order to separate the data and electrical cables from each other.

The separators can be easily adjusted along the cabinet depth.

There is a "C" shaped header module on the front top of the cabinet, the corporate LOGO of the company can be engraved on this module. In order for the logo to be visually more prominent and stylish, it is illuminated with LED lighting from the back when desired.



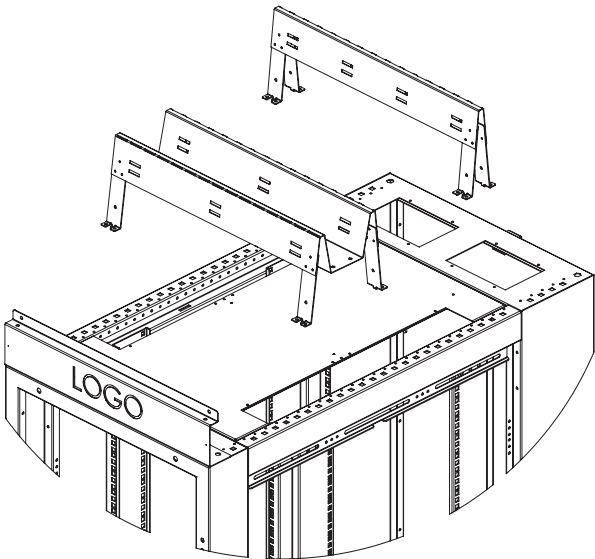
A Separator

M Separator



C shaped header

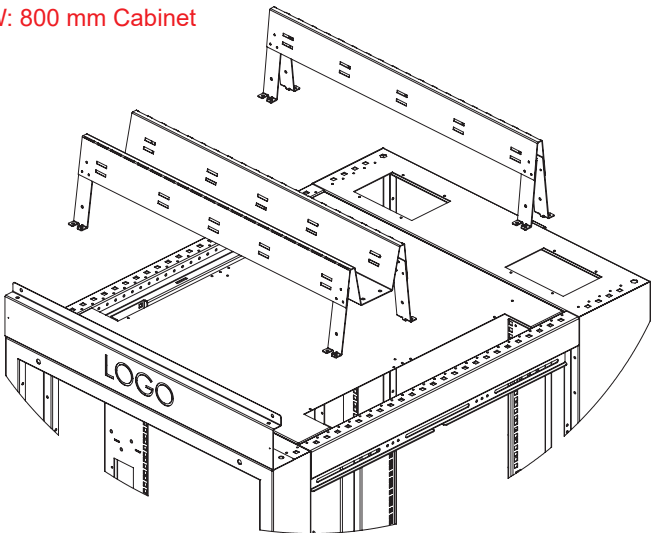
W: 600 mm Cabinet



W:600 mm Cabinet Cable Routing Separators		
*Product Code	Product Description	Dimensions WxDxH mm.
LN-KDG-60C-CC	W:600 mm front header unit in "C" shape, LOGO is suitable for use, can be made with led illumination	600x125x65
LN-KDG-60A-CC	W:600 mm on-cabinet separator "A", screwless mounting	600x100x50
LN-KDG-60M-CC	W:600 mm on-cabinet separator "M", screwless mounting	600x200x276

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by customer at the order stage.
** For the LED illuminated option of LN-KDG-60C-CC, see page 67.

W: 800 mm Cabinet



W:800 mm Cabinet Cable Routing Separators		
*Product Code	Product Description	Dimensions WxDxH mm.
LN-KDG-80C-CC	W:800 mm front header unit in "C" shape, LOGO is suitable for use, can be made with led illumination	800x125x65
LN-KDG-80A-CC	W:800 mm on-cabinet separator "A", screwless mounting	800x100x50
LN-KDG-80M-CC	W:800 mm on-cabinet separator "M", screwless mounting	800x200x276

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by customer at the order stage.
** For the LED illuminated option of LN-KDG-80C-CC, see page 67.

Data Center Cabinets

Seismic Support Kit Accessories

Two cross braces are integrated on the right and left sides of the cabinet. At the same time, cross braces are integrated inside the upper chassis of the cabinet in order to increase the mechanical strength. In this way, the standard Data Center Cabinet performs with 780 kg in the Telcordia GR 63 Core earthquake test at the level of ZONE 4.

Static Load Carrying Capacity: **1500 kg.**

Dynamic Load Carrying Capacity: **1400 kg.**

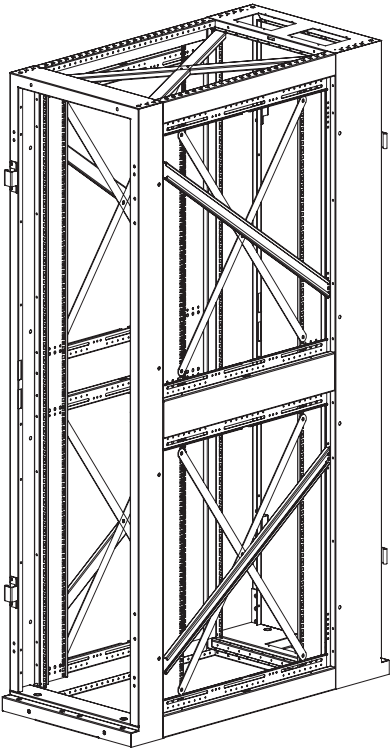
EN IEC 60068-3-3 Seismic Resistance: **530 kg.**

Telcordia NEBS GR 63 ZONE 4 Seismic Resistance: **780 kg.**

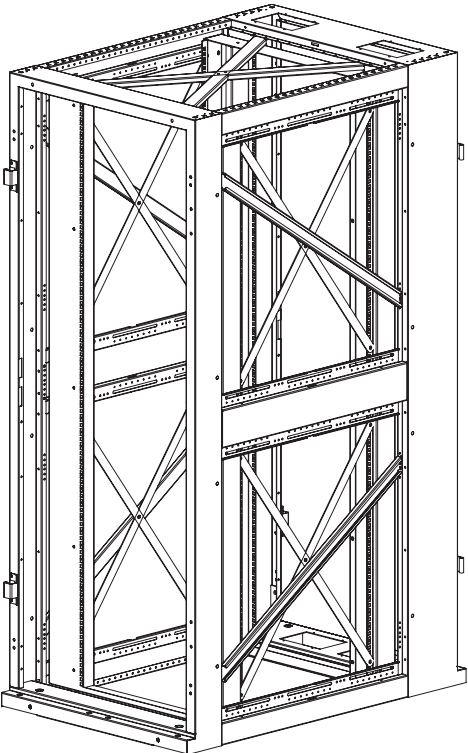
Test Reports and Certifications		
Dynamic Load Carrying Capacity	EN IEC 60068-3-3 Seismic Test	Telcordia NEBS GR 63 ZONE 4 Seismic Test
		
		

Data Center Cabinets W:600/800 mm Seismic Cross Braces	
*Product Code	Product Description
LN-SMC-ND-D80-ZN-6	Seismic support kit to increase cabinet strength. For W600xD1000 mm cabinets in 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D90-ZN-6	Seismic support kit to increase cabinet strength. For W600xD1100-1200 mm deep cabinets at 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D80-ZN-8	Seismic support kit to increase cabinet strength. For W800xD1000 mm cabinets in 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D90-ZN-8	Seismic support kit to increase cabinet strength. For W800xD1100-1200 mm deep cabinets at 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.

W: 600 mm Data Center Cabinet Seismic Cross Braces



W: 800 mm Data Center Cabinet Seismic Cross Braces



Data Center Cabinets

Width : 600 mm
Depth : 1000/1100/1200 mm

Load Carrying Capacity: 1500 kg.

Standard Heights: 42U, 45U, 47U

Standards and Compliances:



ISO 9001
Quality Management System

EN 61587-1
Mechanical Structures for
Electronic Equipment

EN IEC 60297, 19" Mounting
EN IEC 60917 Overall Cabinet
Dimensions

EN/IEC 60529 - IP20 Ingress Protection
performance

EN/IEC 62262 - IK07 Mechanical
Impact Resistance

EIA/ ECA-310 (D/E) 19" 482,6 mm
and U 44,45 mm Height Sizing



CE conform to
EN 60950-1
Information Technology
Equipment, Safety,
Part-1: General Requirement

EN IEC 62368-1 Audio/Video, Information
and Communication Technology
Equipment
Part 1: Safety requirements



UL listed to
UL 2416, Outline of Investigation for
Audio/Video, Information and
Communication Technology Equipment
Cabinet, Enclosure and Rack
Systems; UL 60950-1 and CSA C22.2
NO. 60950-1-07, Information Technology
Equipment Safety
Part 1: General Requirements



Environment Friendly;
ISO 14001 Environmental
Management System
RoHS compliancy
%100 Recyclable Material

Standard Color:



RAL 7035 Light Grey



RAL 9005 Black



Data Center Cabinets have physical dimensions of W: 600 mm and D: 1000/1100/1200 mm, have a maximum internal depth usage, and offer users the opportunity to choose from 3 different U heights.

See pages 15 and 16 for front/rear door and side panel options.

Data Center Cabinets

Width : 600 mm
Depth: 1000/1100/1200 mm

W:600 mm cabinets are offered in standard configuration as single opening on the front door in cambered or flat structure, and double opening on the rear door in flat structure. Both doors are made of 80% perforated metal.

For other door variants, see the door selection table.
(Pages 15 and 16)

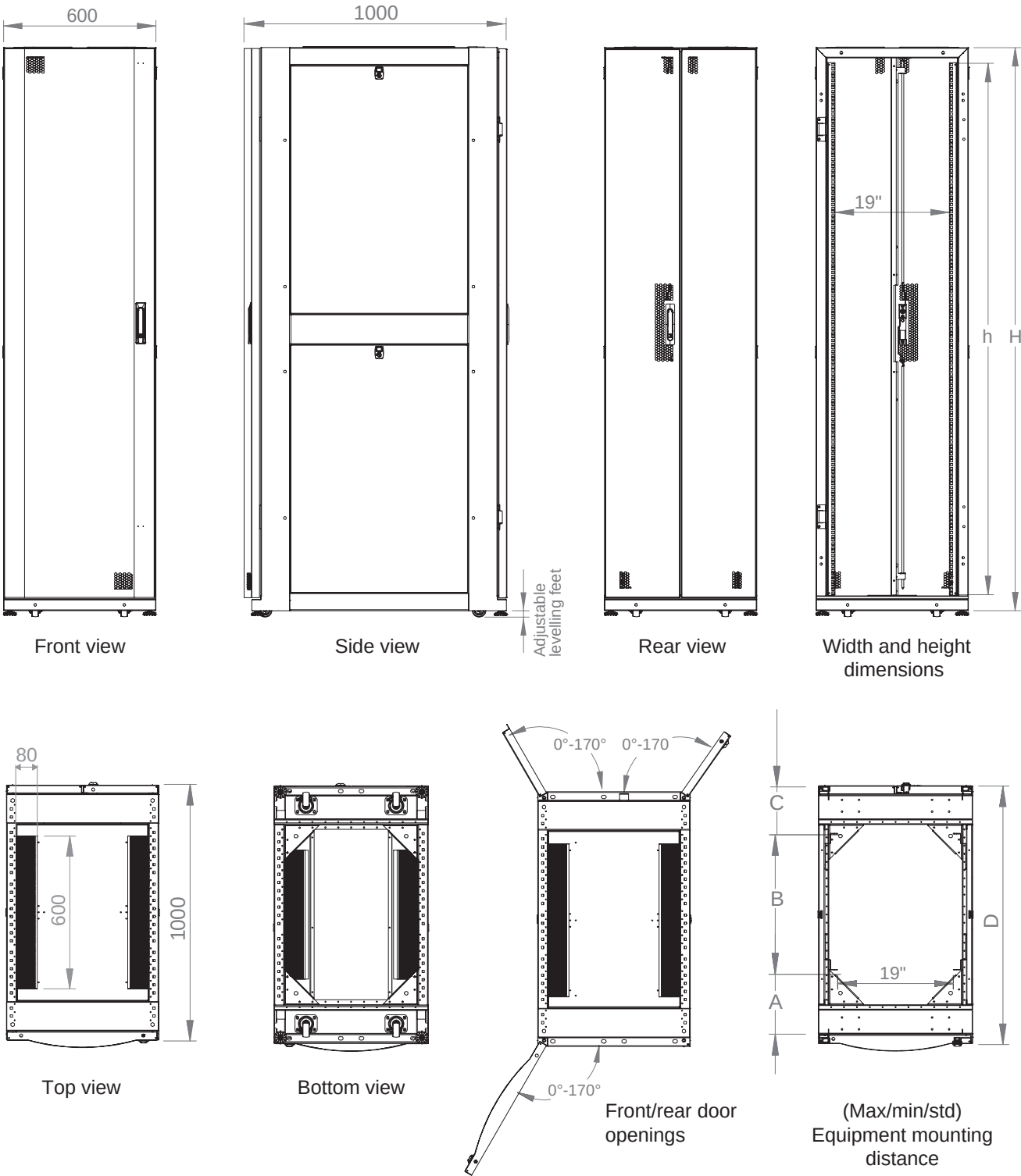


Data Center Cabinets

Technical Drawings

Width : 600 mm

Depth: 1000 mm



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

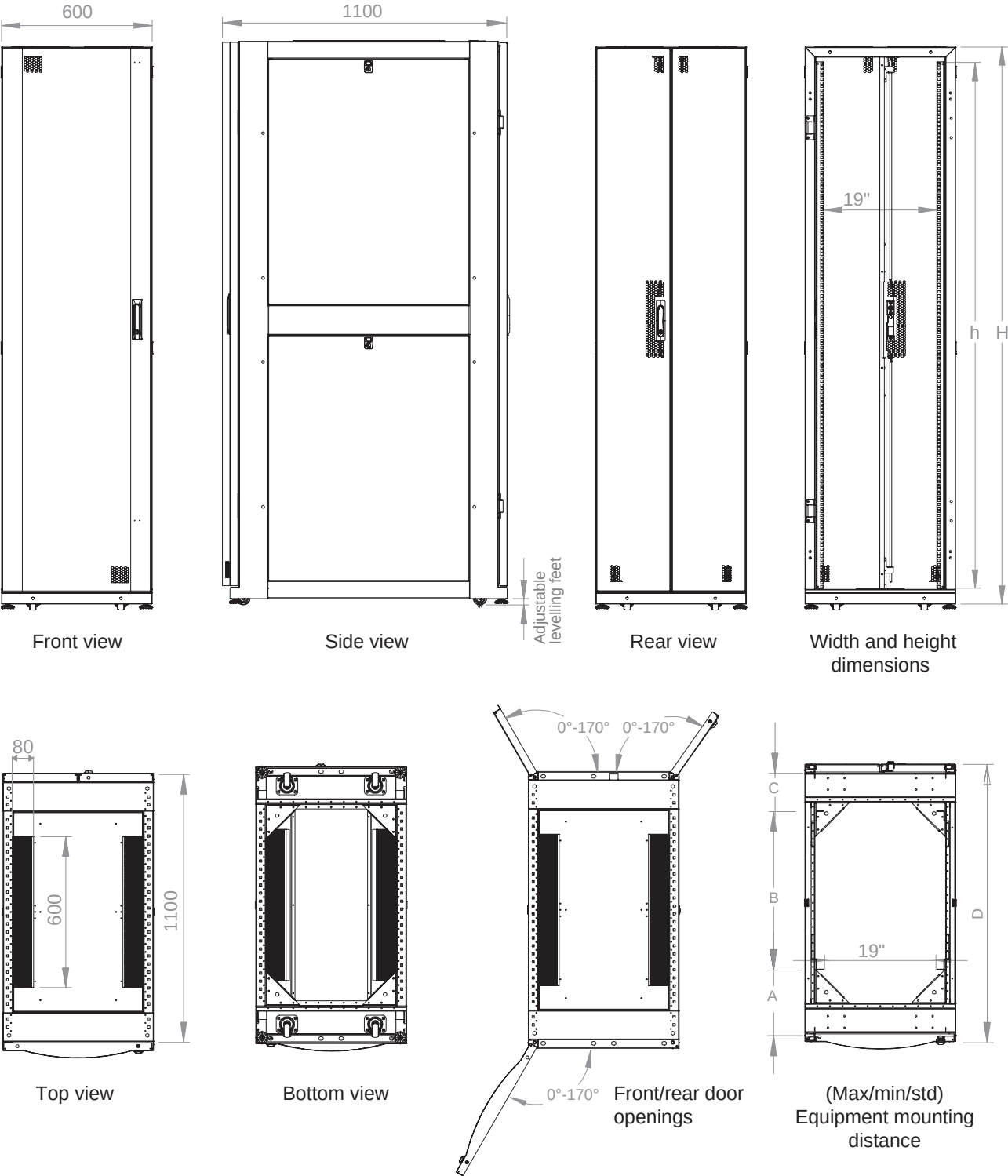
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm

Data Center Cabinets

Technical Drawings

Width : 600 mm

Depth : 1100 mm



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

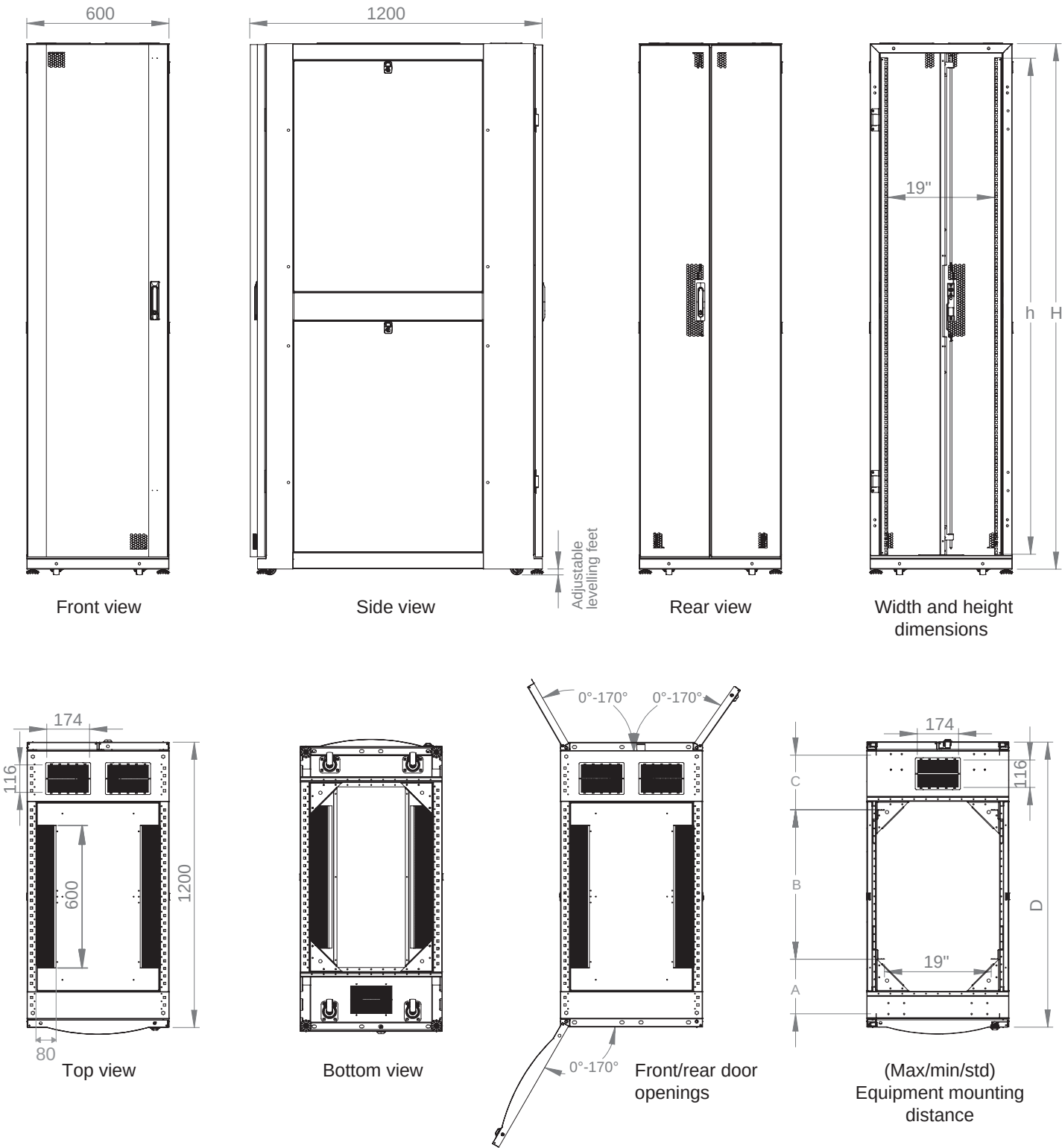
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm

Data Center Cabinets

Technical Drawings

Width : 600 mm

Depth : 1200 mm



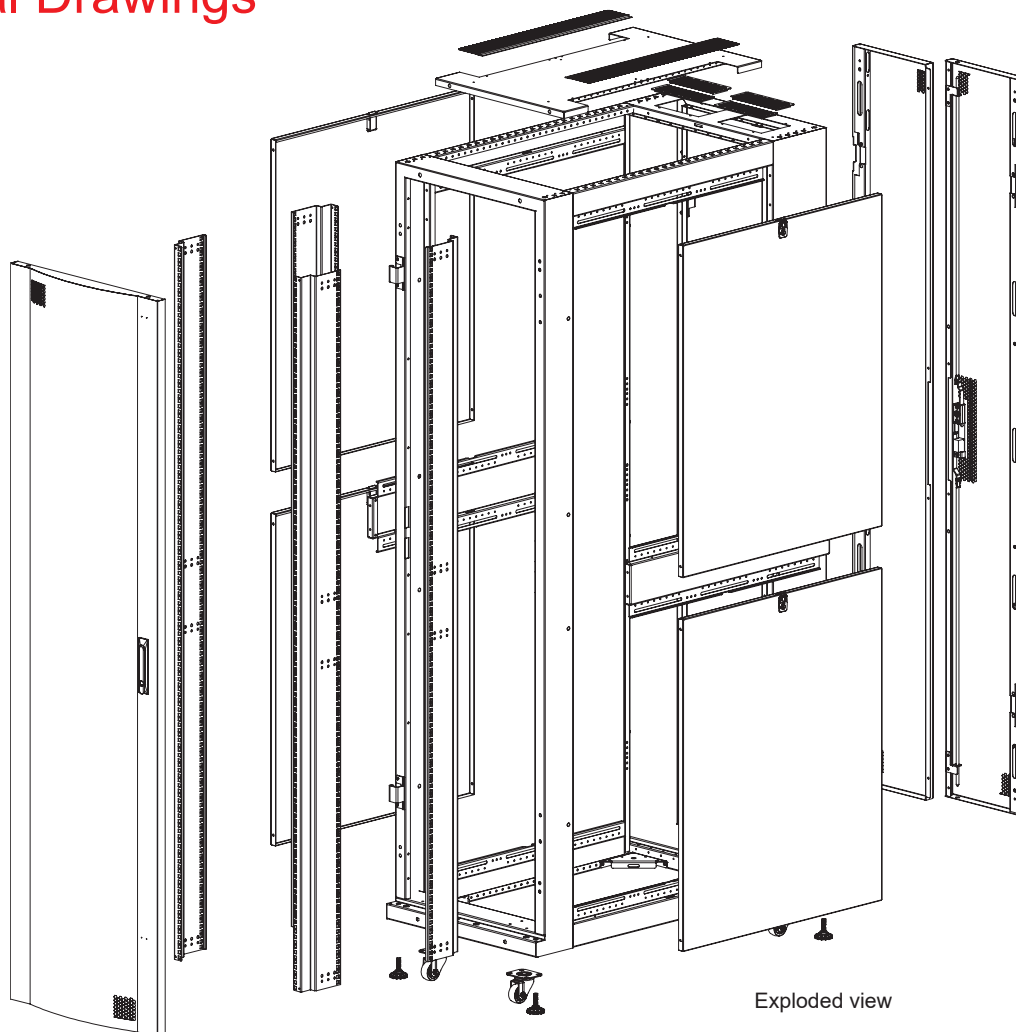
h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

D	A		C		B	
	Min	Max	Min	Max	Min	Max
1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets

Technical Drawings

Width : 600 mm
Depth : 1000/1100/1200 mm



Data Center Cabinets Width: 600 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.	U Height of h Dimension	h mm.	H mm, overall without feet and/or castor	Width mm.	Width Rail to Rail	Depth mm.	Depth Shipping Conf. Rail to Rail mm	Packaging Dimensions WxDxH mm.	Net Product Weight kg.	Gross Product Weight kg.
LN-SRDC-ND-42U6010-CC-EGAA	42U Data Center Cabinet 600x1000 mm	600x1000x1990	42U	1867	1990	600	19"	1000	740	680x1080x2150	117	134
LN-SRDC-ND-45U6010-CC-EGAA	45U Data Center Cabinet 600x1000 mm	600x1000x2123	45U	2000	2123	600	19"	1000	740	680x1080x2273	126	143
LN-SRDC-ND-47U6010-CC-EGAA	47U Data Center Cabinet 600x1000 mm	600x1000x2212	47U	2089	2212	600	19"	1000	740	680x1080x2362	135	152
LN-SRDC-ND-42U6011-CC-EGAA	42U Data Center Cabinet 600x1100 mm	600x1100x1990	42U	1867	1990	600	19"	1100	740	680x1180x2150	125	143
LN-SRDC-ND-45U6011-CC-EGAA	45U Data Center Cabinet 600x1100 mm	600x1100x2123	45U	2000	2123	600	19"	1100	740	680x1180x2273	134	152
LN-SRDC-ND-47U6011-CC-EGAA	47U Data Center Cabinet 600x1100 mm	600x1100x2212	47U	2089	2212	600	19"	1100	740	680x1180x2362	143	161
LN-SRDC-ND-42U6012-CC-EGAA	42U Data Center Cabinet 600x1200 mm	600x1200x1990	42U	1867	1990	600	19"	1200	740	680x1280x2150	134	153
LN-SRDC-ND-45U6012-CC-EGAA	45U Data Center Cabinet 600x1200 mm	600x1200x2123	45U	2000	2123	600	19"	1200	740	680x1280x2273	144	163
LN-SRDC-ND-47U6012-CC-EGAA	47U Data Center Cabinet 600x1200 mm	600x1200x2212	47U	2089	2212	600	19"	1200	740	680x1280x2362	153	172

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. EGAA: Refers to standard door selection, see door options page (Page 15-16) for details. E is the front door standard configuration and is used with one of the G, D options. G is the rear door standard configuration and with the D option; AA is the configuration with both side covers as standard, A0 or 00 options can be selected.

Sample customer configuration product code: LN-SRDC-ND-42U6011-BL-GD00, the cabinet you selected is 42U, W600 x D1100 mm, black color Next Generation Data Center Cabinet. Front door is in the configuration with 80% perforation, double opening flat cover, rear door 80% perforated single opening flat cover, completely without side cover.

Data Center Cabinets

Width : 600 mm

Depth: 1000/1100/1200 mm

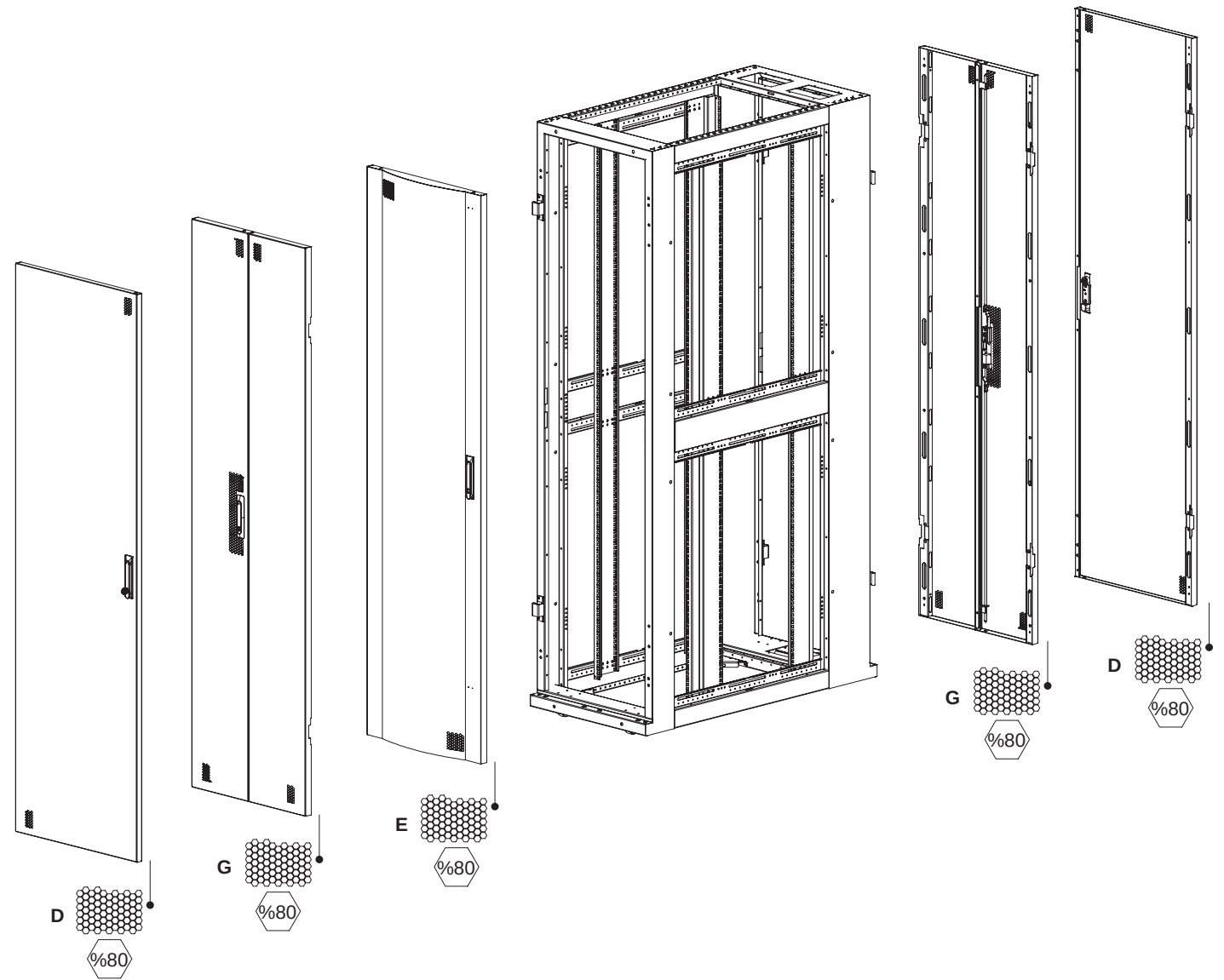
Front/Back Door Options

The front and rear doors of the cabinets are at least 1.2 mm thick, reinforced with special bending forms and additional support profiles. Doors can be opened to a maximum of 170° to the right or left when standing alone, and 135° when in a corridor. They are single-opening, can be dismantled without using any tools, are lockable, and have a monoblock structure with internal support profiles welded along the vertical edges inside the door. The front and rear doors are 9 mm honeycomb perforated to provide 80% air passage.

Front door has professional curved or flat door alternatives due to cabin design ergonomics and aesthetic requirements.

The front and rear doors of the cabinet can be locked from at least 3 points. Vertical metal cable channels are designed on the inside edges of the front and rear doors. These channels serve as a cable route in the use of electronic locks or in the use of EMS / RMS door sensors.

The front and rear doors have two-point concealed hinges placed on the vertical edges. In this hinge system, the doors are easily removable.

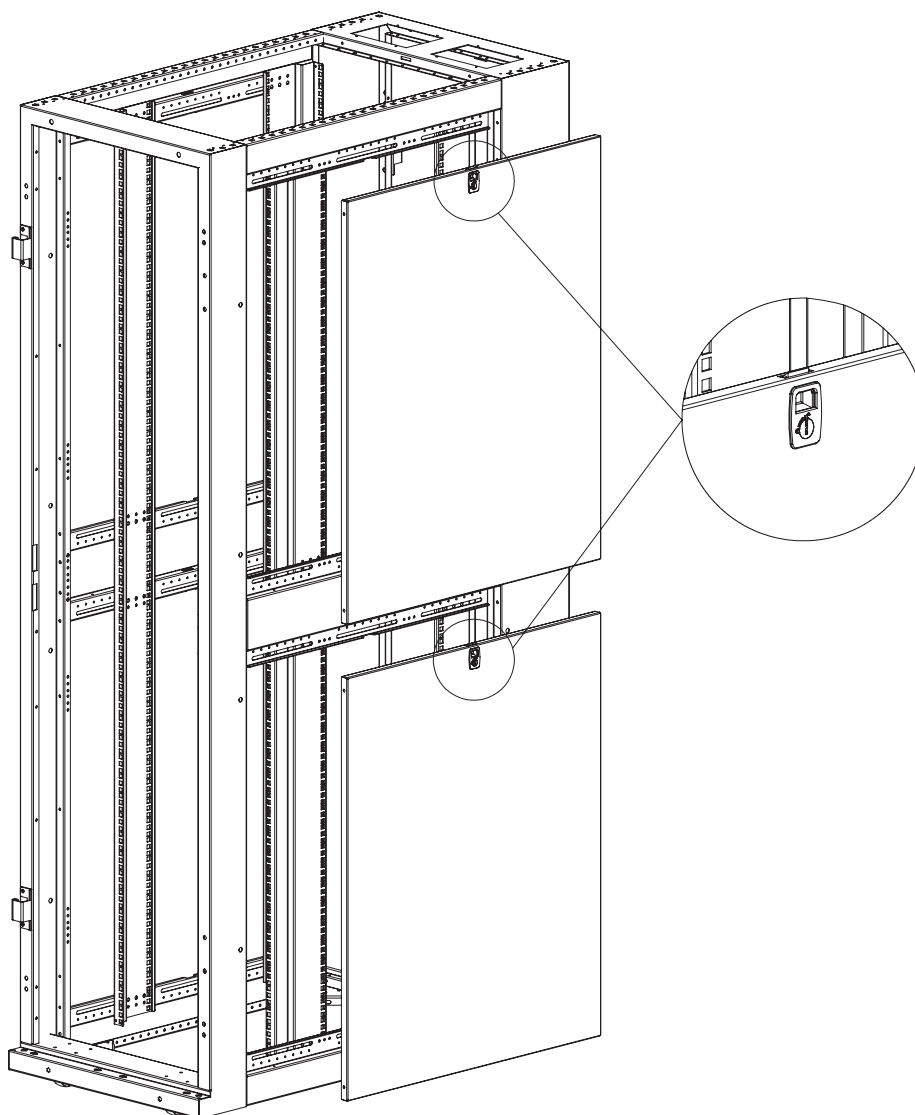


Data Center Cabinets Front/Back Door Options	
Door Option	Description
E	42U, 45U, 47U - 80% perforated, curved, single opening
G	42U, 45U, 47U - 80% perforated, flat, double opening
D	42U, 45U, 47U - 80% perforated, flat, single opening

Data Center Cabinets

Width : 600 mm
Depth : 1000/1100/1200 mm

Side Panel Options



Data Center Cabinets Locked Side Panel Options

Variations	Definition
AA	42U, 45U, 47U D:1000/1100/1200 mm, split, 2 parts, side panel with bolt and key lock
A0	Single side side panel use. It is for use in cabinets at the beginning of the corridor and at the end of the corridor, when it is desired to use a single side panel between cabinets. It is bolt and key locked.
00	Use without side panel

Data Center Cabinets Side Panels

Product Code	Product Description	Size WxHxD mm
LN-SP-42UD100-CC	42U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x863x19
LN-SP-45UD100-CC	45U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x930x19
LN-SP-47UD100-CC	47U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x974x19
LN-SP-42UD112-CC	42U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x863x19
LN-SP-45UD112-CC	45U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x930x19
LN-SP-47UD112-CC	47U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x974x19

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

Width : 800 mm
Depth: 1000/1100/1200 mm

Load Carrying Capacity: 1500 kg.

Standard Heights: 42U, 45U, 47U

Standards and Compliances:



ISO 9001
Quality Management System

EN 61587-1
Mechanical Structures for
Electronic Equipment

EN IEC 60297, 19" Mounting
EN IEC 60917 Overall Cabinet
Dimensions

EN/IEC 60529 - IP20 Ingress Protection
performance

EN/IEC 62262 - IK07 Mechanical
Impact Resistance

EIA/ ECA-310 (D/E) 19" 482,6 mm
and U 44,45 mm Height Sizing



CE conform to
EN 60950-1
Information Technology
Equipment, Safety,
Part-1: General Requirement

EN IEC 62368-1 Audio/Video, Information
and Communication Technology
Equipment
Part 1: Safety requirements



UL listed to
UL 2416, Outline of Investigation for
Audio/Video, Information and
Communication Technology Equipment
Cabinet, Enclosure and Rack
Systems; UL 60950-1 and CSA C22.2
NO. 60950-1-07, Information Technology
Equipment Safety
Part 1: General Requirements



Environment Friendly;
ISO 14001 Environmental
Management System
RoHS compliancy
%100 Recyclable Material

Standard Color:



RAL 7035 Light Grey



RAL 9005 Black



Data Center Cabinets have physical dimensions of W: 800 mm and D: 1000/1100/1200 mm, have a maximum internal depth usage, and offer users the opportunity to choose from 3 different U heights.

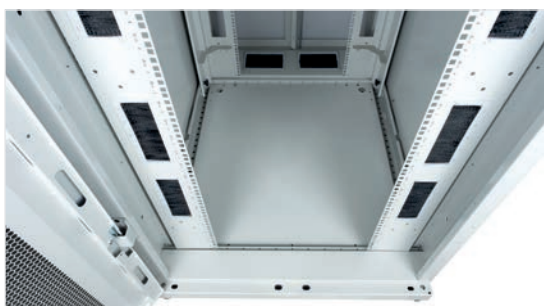
See pages 23 and 24 for front/rear door and side panel options.

Data Center Cabinets

Width : 800 mm
Depth: 1000/1100/1200 mm

W:800 mm cabinets are offered in standard configuration as single opening on the front door in cambered or flat structure, and double opening on the rear door in flat structure. Both doors are made of 80% perforated metal.

For other door variants, see the door selection table.
(Pages 23 and 24)

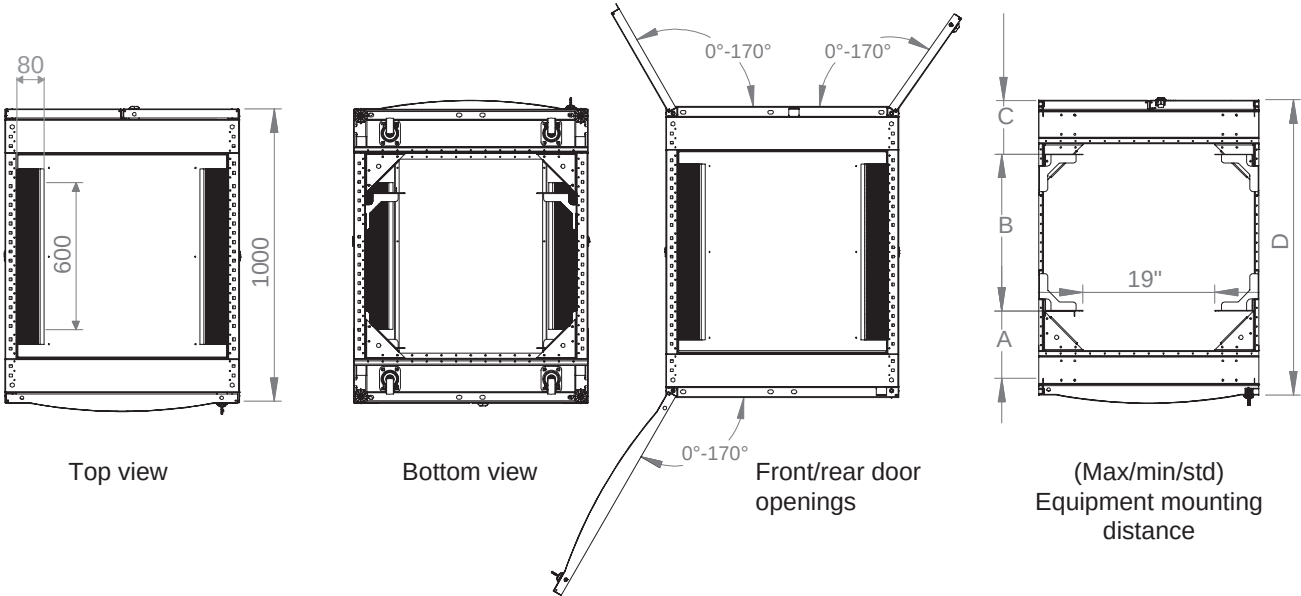
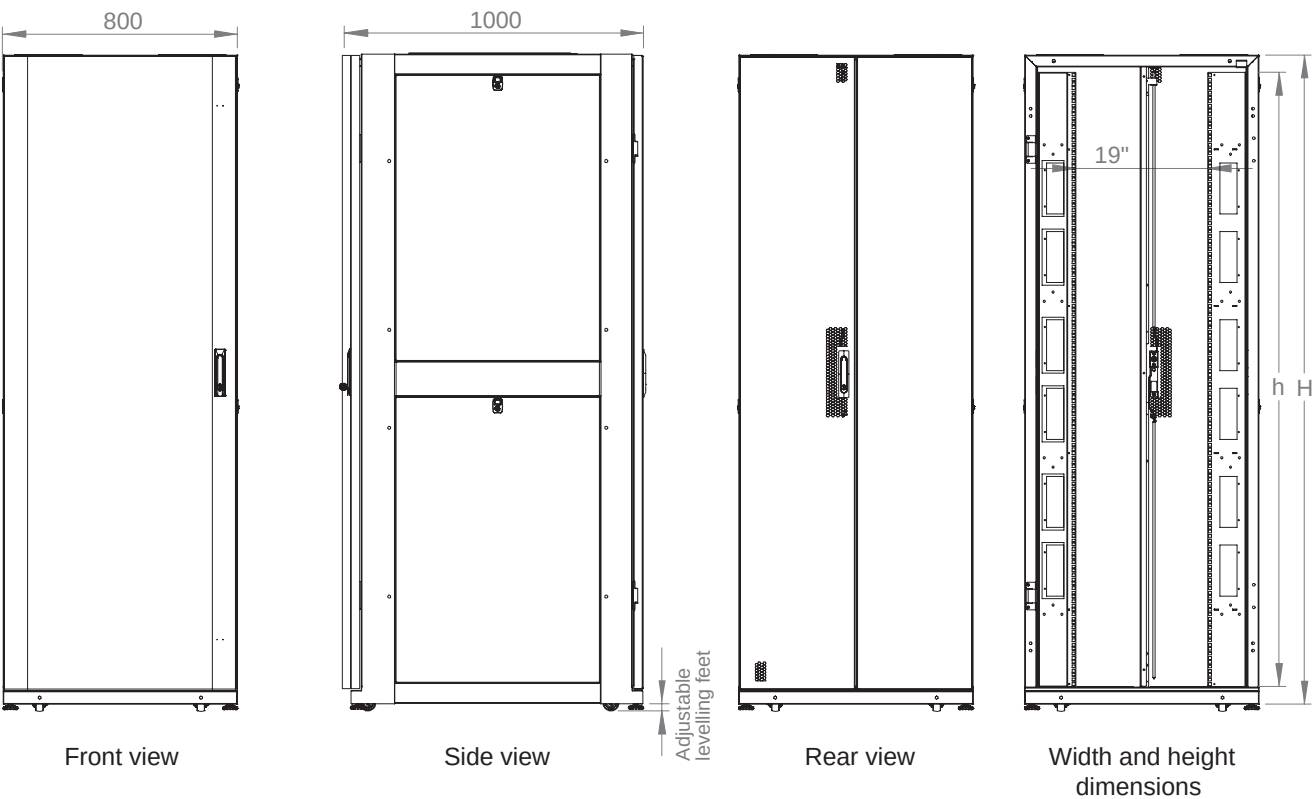


Data Center Cabinets

Technical Drawings

Width : 800 mm

Depth: 1000 mm



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

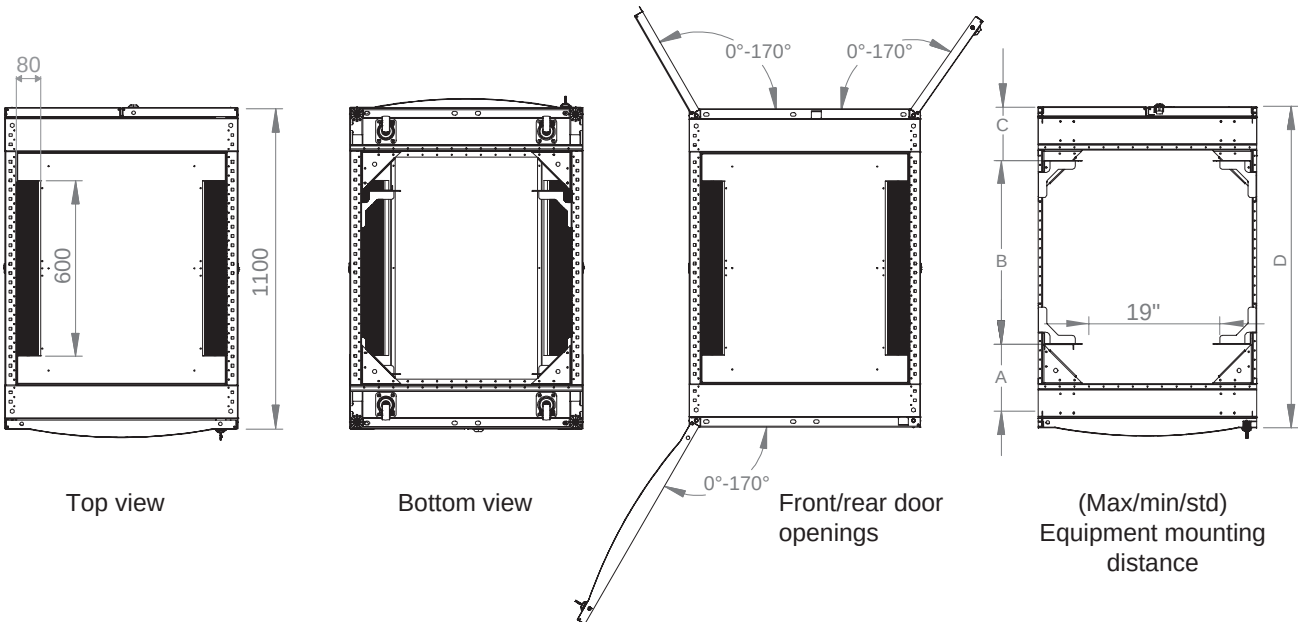
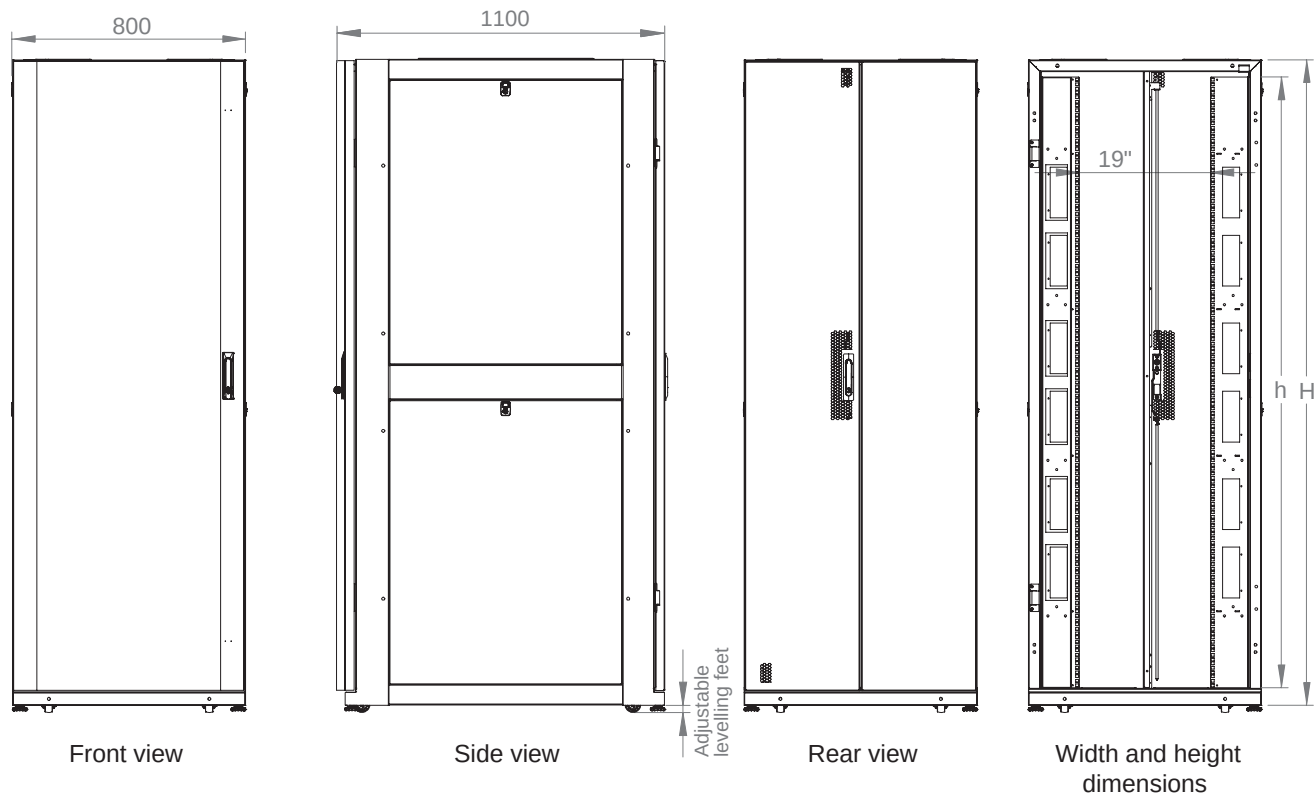
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm

Data Center Cabinets

Technical Drawings

Width : 800 mm

Depth: 1100 mm



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

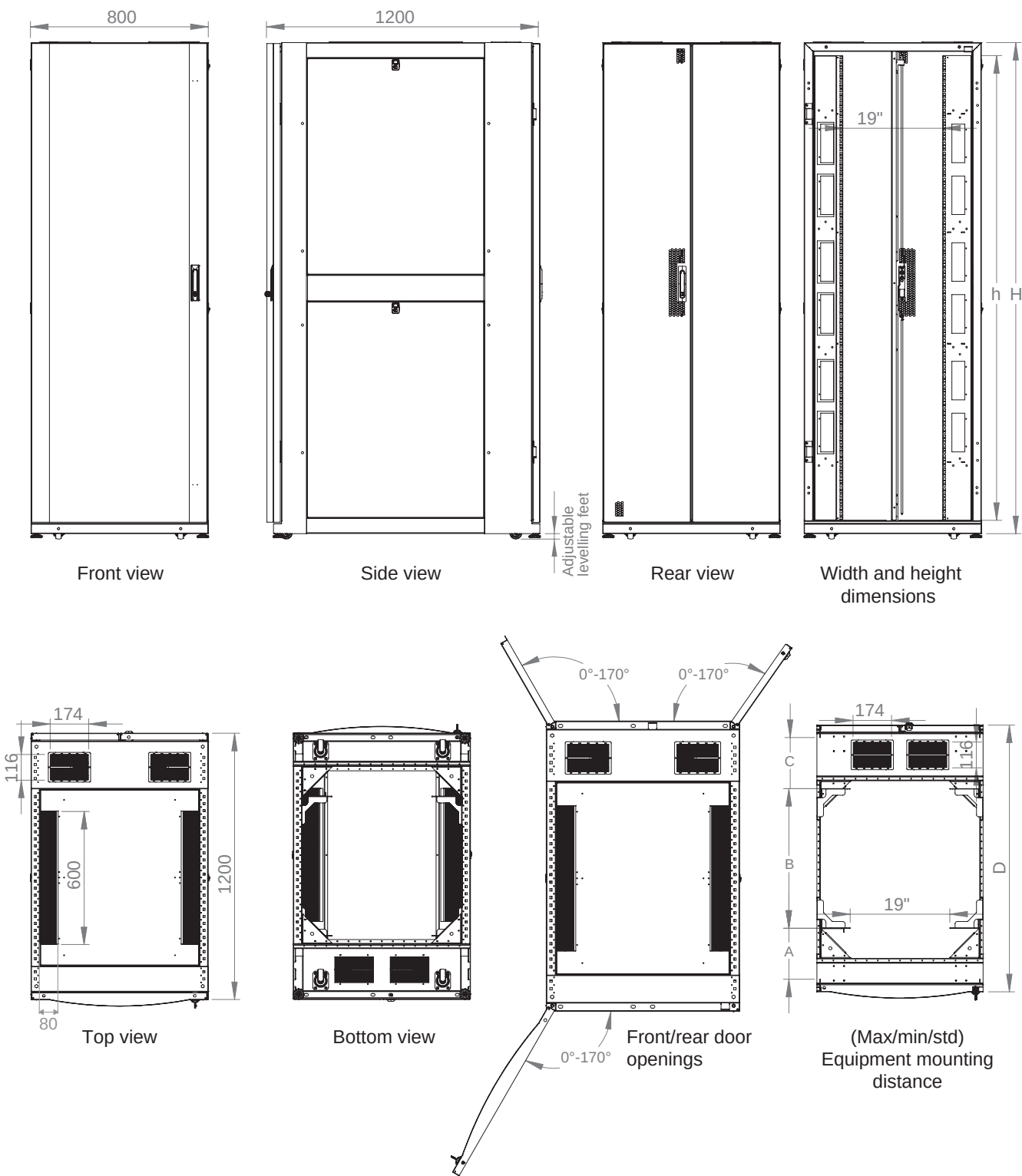
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm

Data Center Cabinets

Technical Drawings

Width : 800 mm

Depth: 1200 mm



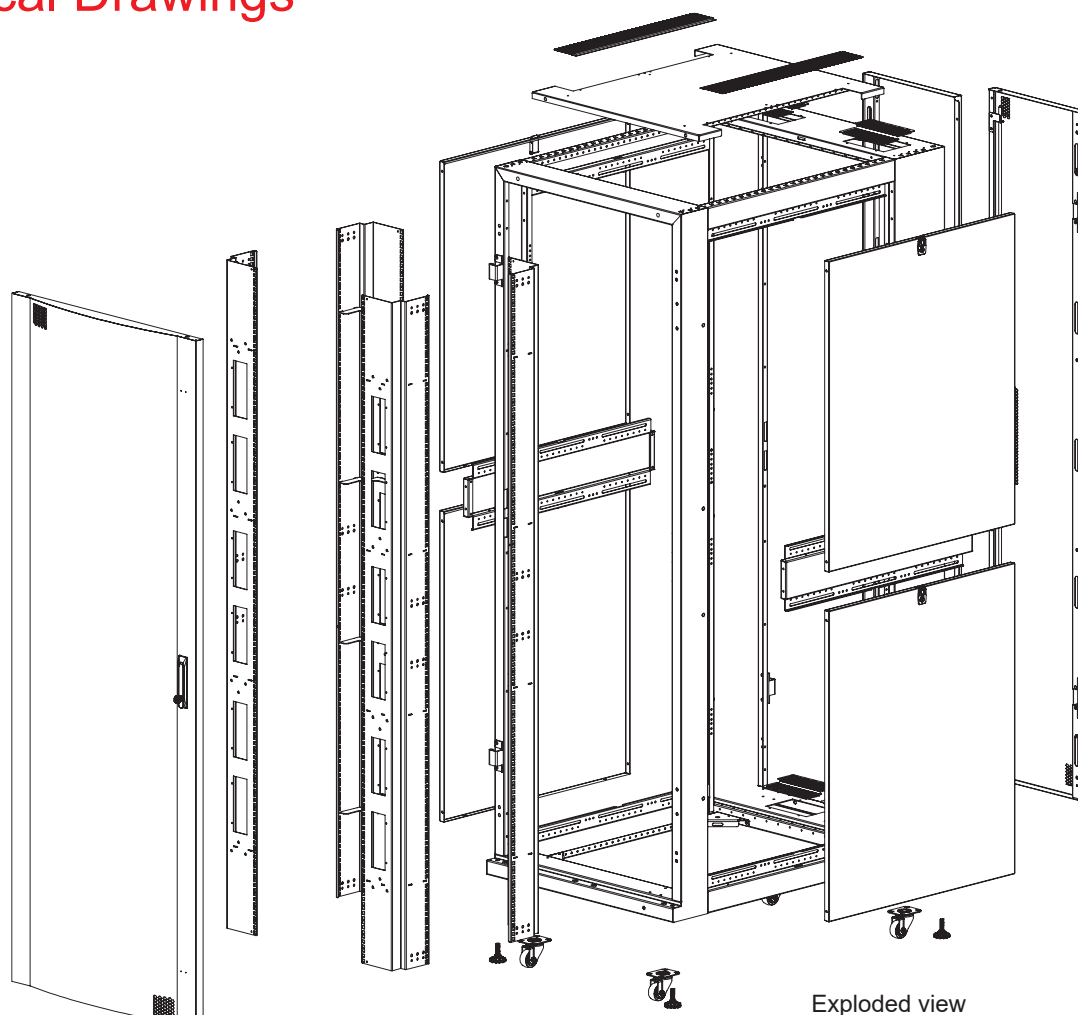
h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

D	A		C		B	
	Min	Max	Min	Max	Min	Max
1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets

Technical Drawings

Width : 800 mm
Depth: 1000/1100/1200 mm



Exploded view

Data Center Cabinets Width: 800 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.	U Height of h Dimension	h mm.	H mm, overall without feet and/or castor	Width mm.	Width Rail to Rail	Depth mm.	Depth Shipping Conf. Rail to Rail mm	Packaging Dimensions WxDxH mm.	Net Product Weight kg.	Gross Product Weight kg.
LN-SRDC-ND-42U8010-CC-EGAA	42U Data Center Cabinet 800x1000 mm	800x1000x1990	42U	1867	1990	800	19"	1000	740	880x1080x2150	132	152
LN-SRDC-ND-45U8010-CC-EGAA	45U Data Center Cabinet 800x1000 mm	800x1000x2123	45U	2000	2123	800	19"	1000	740	880x1080x2273	137	157
LN-SRDC-ND-47U8010-CC-EGAA	47U Data Center Cabinet 800x1000 mm	800x1000x2212	47U	2089	2212	800	19"	1000	740	880x1080x2362	146	167
LN-SRDC-ND-42U8011-CC-EGAA	42U Data Center Cabinet 800x1100 mm	800x1100x1990	42U	1867	1990	800	19"	1100	740	880x1180x2150	137	158
LN-SRDC-ND-45U8011-CC-EGAA	45U Data Center Cabinet 800x1100 mm	800x1100x2123	45U	2000	2123	800	19"	1100	740	880x1180x2273	146	167
LN-SRDC-ND-47U8011-CC-EGAA	47U Data Center Cabinet 800x1100 mm	800x1100x2212	47U	2089	2212	800	19"	1100	740	880x1180x2362	155	177
LN-SRDC-ND-42U8012-CC-EGAA	42U Data Center Cabinet 800x1200 mm	800x1200x1990	42U	1867	1990	800	19"	1200	740	880x1280x2150	152	173
LN-SRDC-ND-45U8012-CC-EGAA	45U Data Center Cabinet 800x1200 mm	800x1200x2123	45U	2000	2123	800	19"	1200	740	880x1280x2273	161	182
LN-SRDC-ND-47U8012-CC-EGAA	47U Data Center Cabinet 800x1200 mm	800x1200x2212	47U	2089	2212	800	19"	1200	740	880x1280x2362	170	193

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. EGAA: Refers to standard door selection, see door options page (Page 23-24) for details. E is the front door standard configuration and is used with one of the G, D options. G is the rear door standard configuration and with the D option; AA is the configuration with both side covers as standard, A0 or 00 options can be selected.

Sample customer configuration product code: LN-SRDC-ND-42U8011-BL-DGA0, the cabinet you selected is 42U, W800 x D1100 mm, black color Next Generation Data Center Cabinet. Front door is in the configuration with 80% perforation, single opening flat cover, rear door 80% perforated double opening flat cover, with only one side panel.

Data Center Cabinets

Width : 800 mm

Depth: 1000/1100/1200 mm

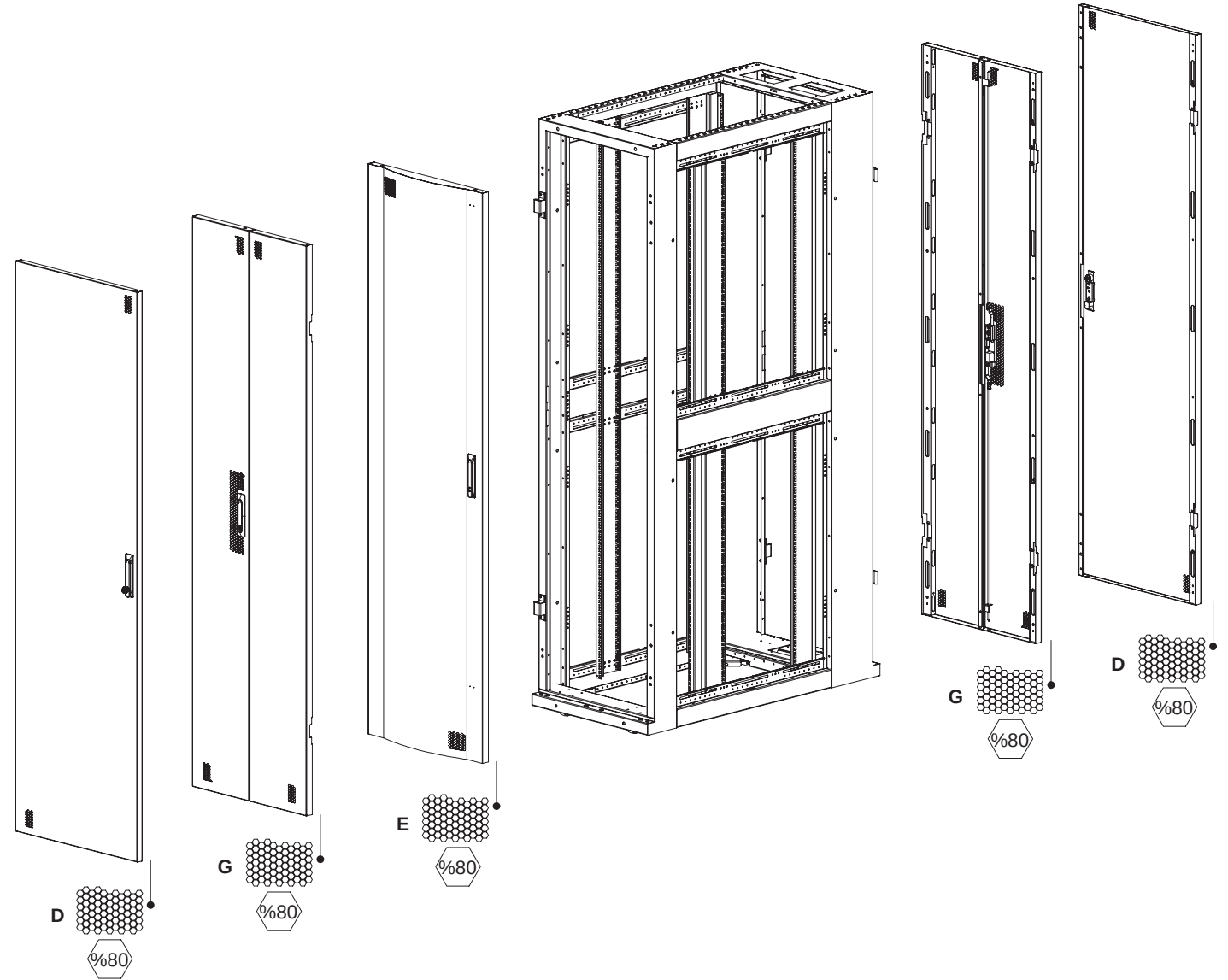
Front/Back Door Options

The front and rear doors of the cabinets are at least 1.2 mm thick, reinforced with special bending forms and additional support profiles. Doors can be opened to a maximum of 170° to the right or left when standing alone, and 135° when in a corridor. They are single-opening, can be dismantled without using any tools, are lockable, and have a monoblock structure with internal support profiles welded along the vertical edges inside the door. The front and rear doors are 9 mm honeycomb perforated to provide 80% air passage.

Front door has professional curved or flat door alternatives due to cabin design ergonomics and aesthetic requirements.

The front and rear doors of the cabinet can be locked from at least 3 points. Vertical metal cable channels are designed on the inside edges of the front and rear doors. These channels serve as a cable route in the use of electronic locks or in the use of EMS / RMS door sensors.

The front and rear doors have two-point concealed hinges placed on the vertical edges. In this hinge system, the doors are easily removable.

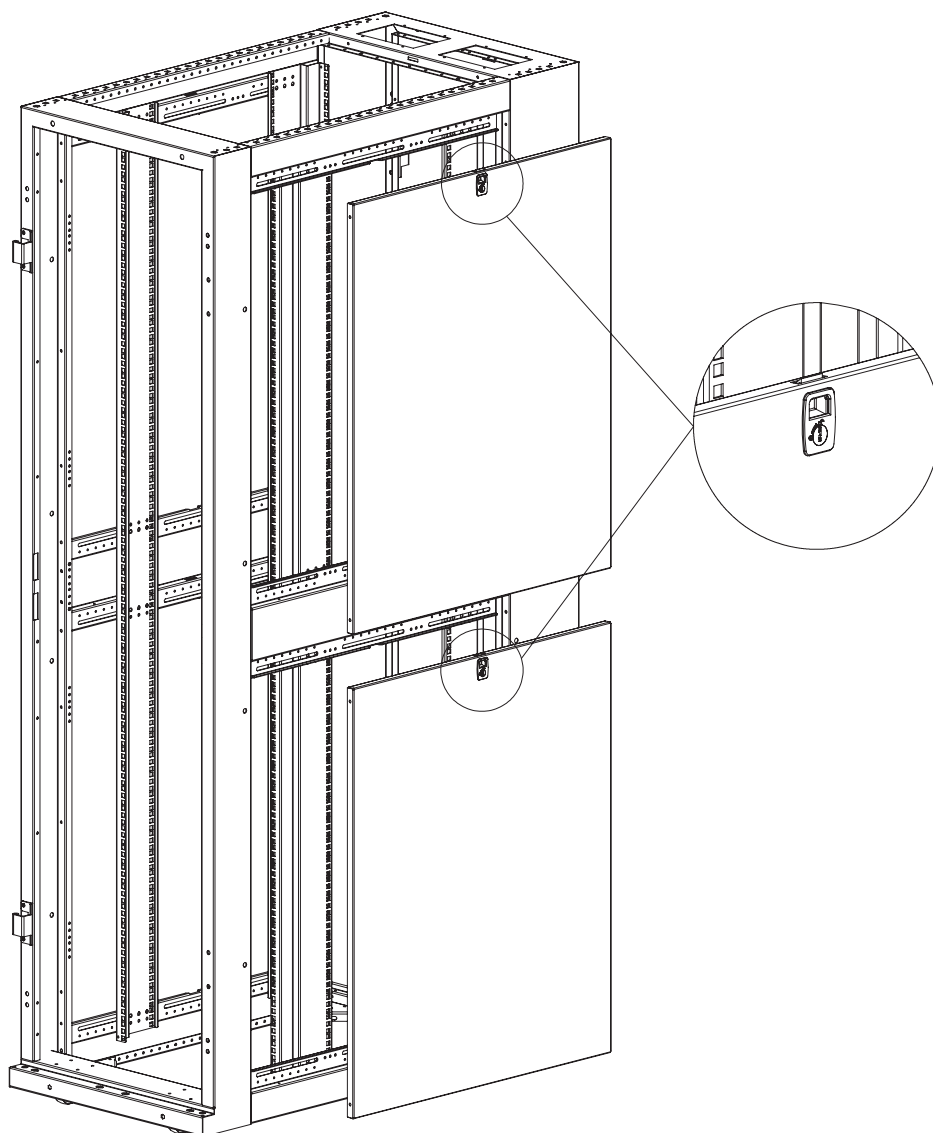


Data Center Cabinets Front/Back Door Options	
Door Option	Description
E	42U, 45U, 47U - 80% perforated, curved, single opening
G	42U, 45U, 47U - 80% perforated, flat, double opening
D	42U, 45U, 47U - 80% perforated, flat, single opening

Data Center Cabinets

Width : 800 mm
Depth : 1000/1100/1200 mm

Side Panel Options



Data Center Cabinets Locked Side Panel Options

Variations	Definition
AA	42U, 45U, 47U D:1000/1100/1200 mm, split, 2 parts, side panel with bolt and key lock
A0	Single side side panel use. It is for use in cabinets at the beginning of the corridor and at the end of the corridor, when it is desired to use a single side panel between cabinets. It is bolt and key locked.
00	Use without side panel

Data Center Cabinets Side Panels

Product Code	Product Description	Size WxHxD mm
LN-SP-42UD100-CC	42U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x863x19
LN-SP-45UD100-CC	45U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x930x19
LN-SP-47UD100-CC	47U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x974x19
LN-SP-42UD112-CC	42U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x863x19
LN-SP-45UD112-CC	45U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x930x19
LN-SP-47UD112-CC	47U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x974x19

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets SE Seismic+

Seismic+ NEBS GR63 1020 kg.

By integrating mechanical strength-enhancing seismic cross-links into Standard New Series Data Center (LN-SRDC-ND) series cabinets, successful results are obtained under 780 kg load in the earthquake test at Telcordia GR 63 Core ZONE 4 level.

However, considering the customer requirements, construction attachments and differences designed with special welding methods in different parts of the cabinet were added to the new design. Seismic+ (LN-SRDC-SE) Series Data Center Cabinets were created containing the crosslinks that does not need to be added later.

In this way, a successful performance of 1020 kg was achieved in the earthquake test at Telcordia GR 63 Core ZONE 4 level. It can be preferred in applications made with high-density Blade Servers, hosting ISP applications where each 1U area is filled, or applications to be made in very high-risk earthquake zones.

Both our Seismic+ and standard Next Generation Data Center Cabinets can be used together in the same hall or in the same corridor. There is a common accessory group and a common joint kit infrastructure.

Static Load Carrying Capacity: 2000 kg.

Dynamic Load Carrying Capacity: 1400 kg.

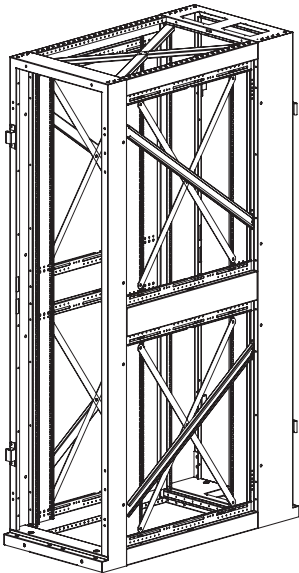
EN IEC 60068-3-3 Seismic Resistance: 1020 kg.

Telcordia NEBS GR 63 ZONE 4 Seismic Resistance: 1020 kg.

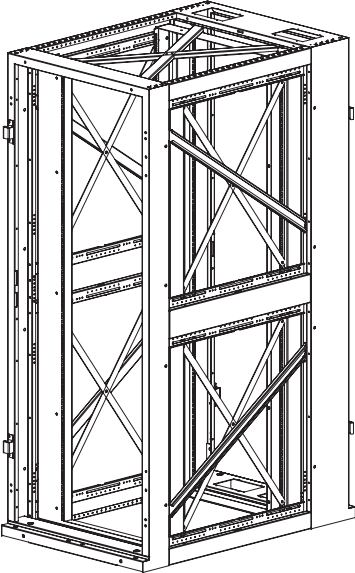
Data Center Cabinets W:600/800 mm Seismic Cross Braces	
*Product Code	Product Description
LN-SMC-ND-D80-ZN-6	Seismic support kit to increase cabinet strength. For W600xD1000 mm cabinets in 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D90-ZN-6	Seismic support kit to increase cabinet strength. For W600xD1100-1200 mm deep cabinets at 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D80-ZN-8	Seismic support kit to increase cabinet strength. For W800xD1000 mm cabinets in 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.
LN-SMC-ND-D90-ZN-8	Seismic support kit to increase cabinet strength. For W800xD1100-1200 mm deep cabinets at 42U, 45U, 47U heights. It provides a dynamic carrying capacity of 780 kg in Telcordia NEBS GR 63 CORE ZONE 4 standard. It is 8-12 micron electrogalvanized (zinc) coated.

Test Reports and Certifications		
Dynamic Load Carrying Capacity	EN IEC 60068-3-3 Seismic Test	Telcordia NEBS GR 63 ZONE 4 Seismic Test
		
		

W: 600 mm Data Center Cabinet Seismic Cross Links



W: 800 mm Data Center Cabinet Seismic Cross Links



Data Center Cabinets SE Seismic+

Width : 600/800 mm
Depth: 1000/1100/1200 mm

In W:600/800 mm cabinets, the front door is offered as a single opening in a curved or flat structure, and the rear door is offered in a standard configuration as a flat double opening. Both doors are made of 80% perforated metal.

For other door variants, see the door selection table.
(Pages 32 and 33)



Data Center Cabinets SE Seismic+

Width : 600 mm
Depth: 1000/1100/1200 mm

Load Carrying Capacity: 2000 kg.

Standard Heights: 42U, 45U, 47U

Standards and Compliances:



ISO 9001
Quality Management System

EN 61587-1
Mechanical Structures for
Electronic Equipment

EN IEC 60297, 19" Mounting
EN IEC 60917 Overall Cabinet
Dimensions

EN/IEC 60529 - IP20 Ingress Protection
performance

EN/IEC 62262 - IK07 Mechanical
Impact Resistance

EIA/ ECA-310 (D/E) 19" 482,6 mm
and U 44,45 mm Height Sizing



CE conform to
EN 60950-1
Information Technology
Equipment, Safety,
Part-1: General Requirement

EN IEC 62368-1 Audio/Video, Information
and Communication Technology
Equipment
Part 1: Safety requirements



UL listed to
UL 2416, Outline of Investigation for
Audio/Video, Information and
Communication Technology Equipment
Cabinet, Enclosure and Rack
Systems; UL 60950-1 and CSA C22.2
NO. 60950-1-07, Information Technology
Equipment Safety
Part 1: General Requirements



Environment Friendly;
ISO 14001 Environmental
Management System
RoHS compliancy
%100 Recyclable Material

Standard Color:



RAL 7035 Light Grey



RAL 9005 Black



If the earthquake resistance obtained by adding the seismic support kit accessory (**page 25**) to the Standard Data Center Cabinets is not considered sufficient, you can choose Lande SE Series Seismic+ Data Center Cabinets which has a heavy-duty seismic resistance due to its construction.

Lande SE Series Seismic+ Data Center Cabinets with W:600 mm and D: 1000/1100/1200 mm physical dimensions have a maximum internal depth usage, and offer users the opportunity to choose from 3 different U heights.

See pages 32 and 33 for front/rear door and side panel options.

Static Load Carrying Capacity: 2000 kg.

Dynamic Load Carrying Capacity: 1400 kg.

EN IEC 60068-3-3 Seismic Resistance: 1020 kg.

Telcordia NEBS GR 63 ZONE 4 Seismic resistance: 1020 kg.

Test Reports and Certifications

Dynamic Load
Carrying Capacity



EN IEC 60068-3-3
Seismic Test



Telcordia NEBS GR 63
ZONE 4 Seismic Test

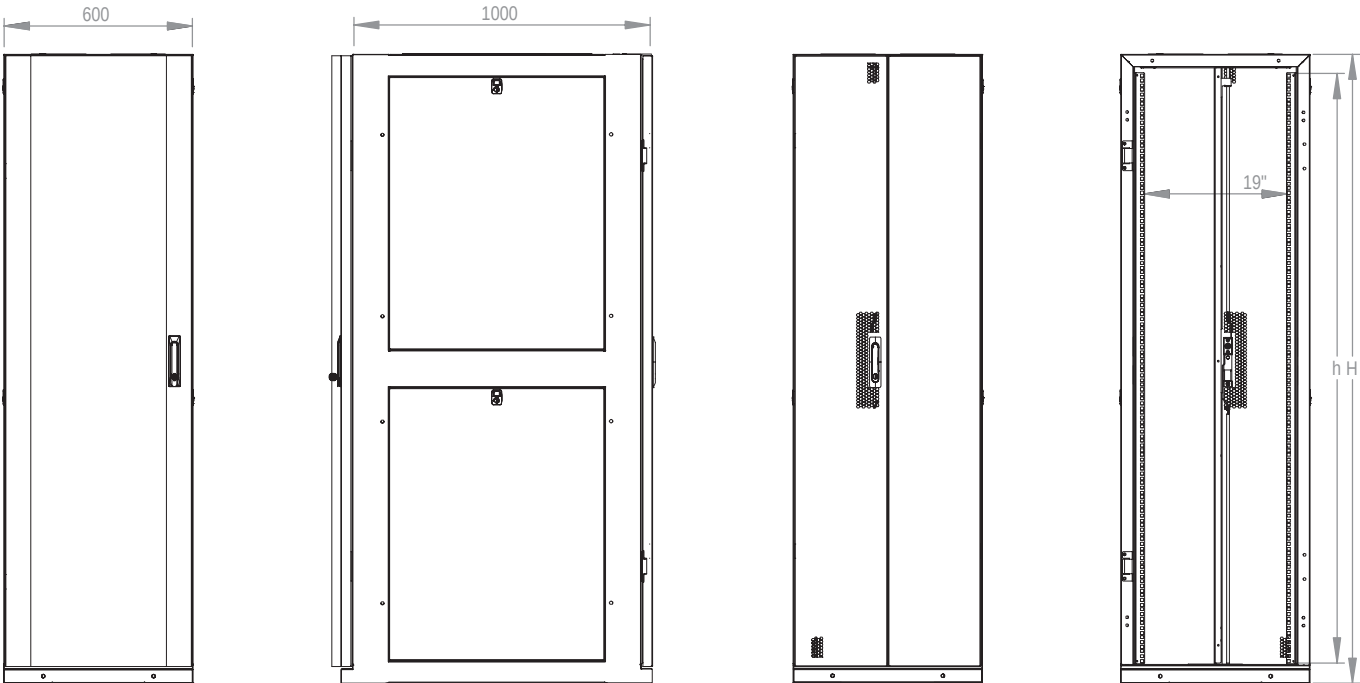


Data Center Cabinets

SE Seismic+

Width : 600 mm
Depth : 1000 mm

Technical Drawings

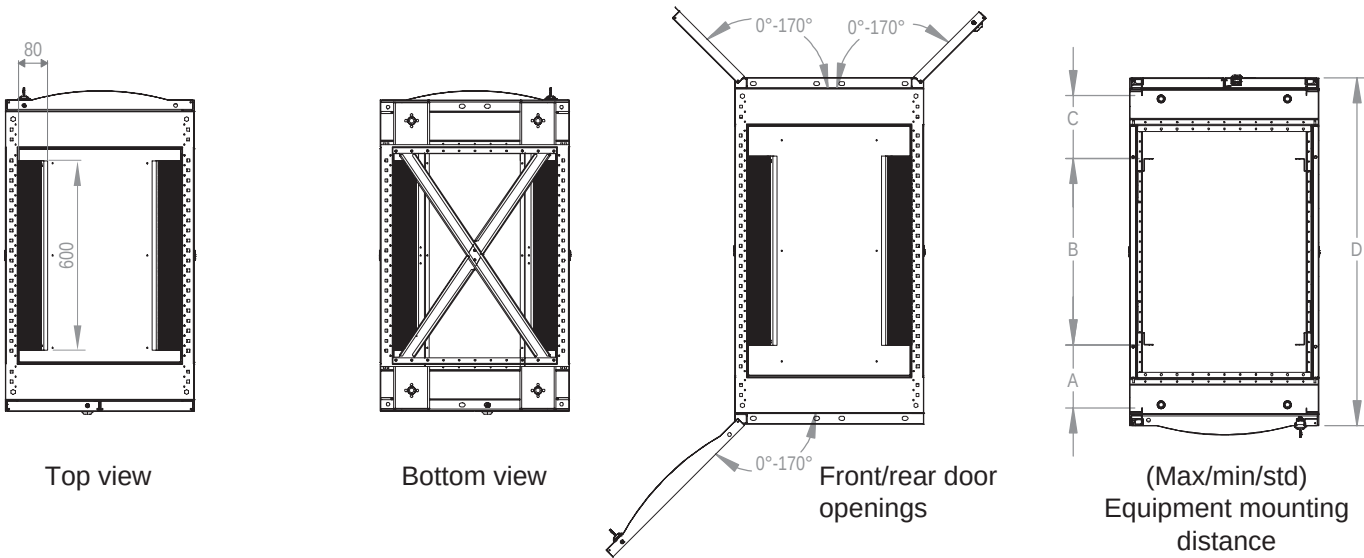


Front view

Side view

Rear view

Width and height dimensions



Top view

Bottom view

Front/rear door openings

(Max/min/std)
Equipment mounting distance

h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

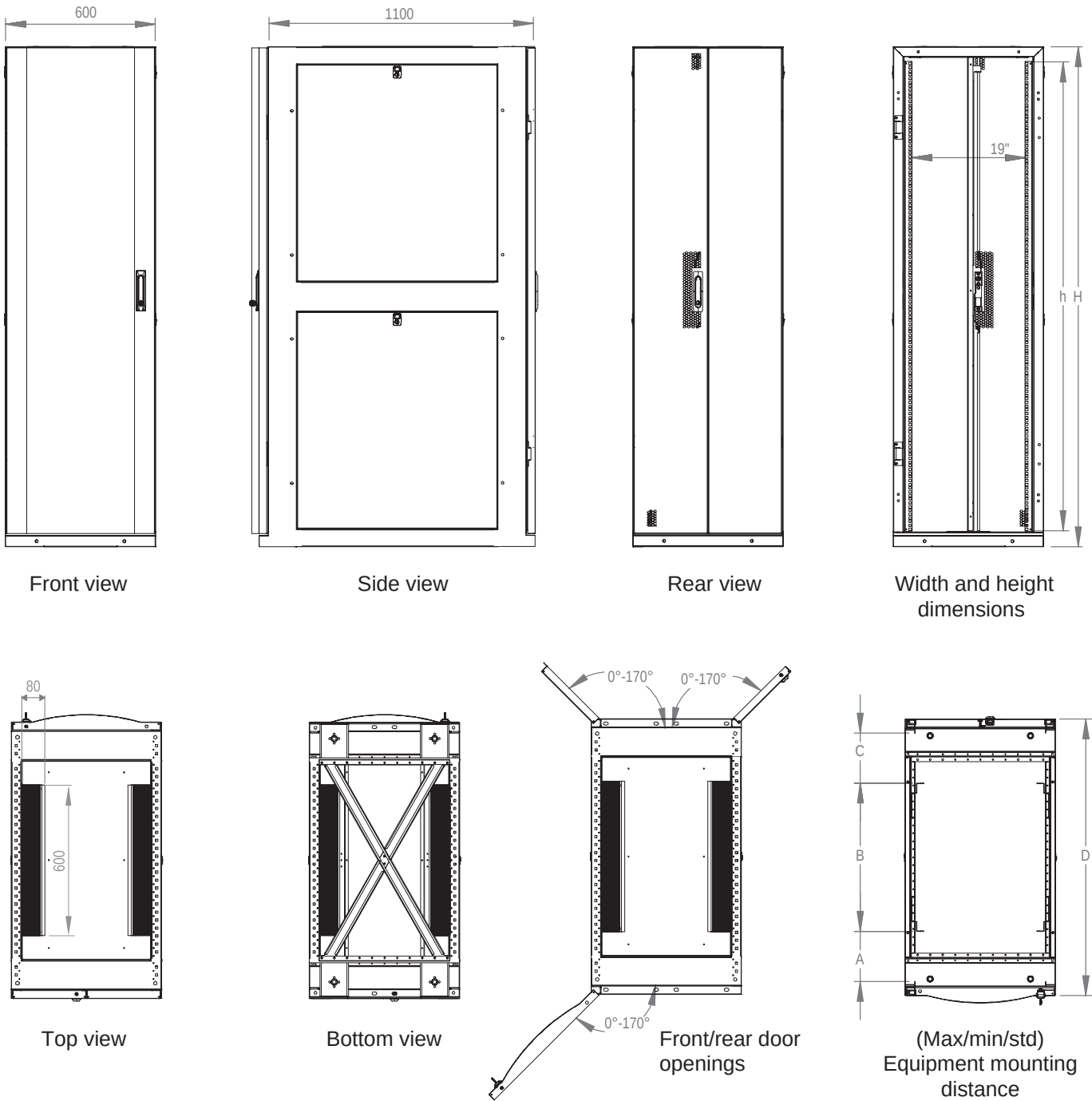
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm

Data Center Cabinets

SE Seismic+

Width : 600 mm
Depth : 1100 mm

Technical Drawings



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

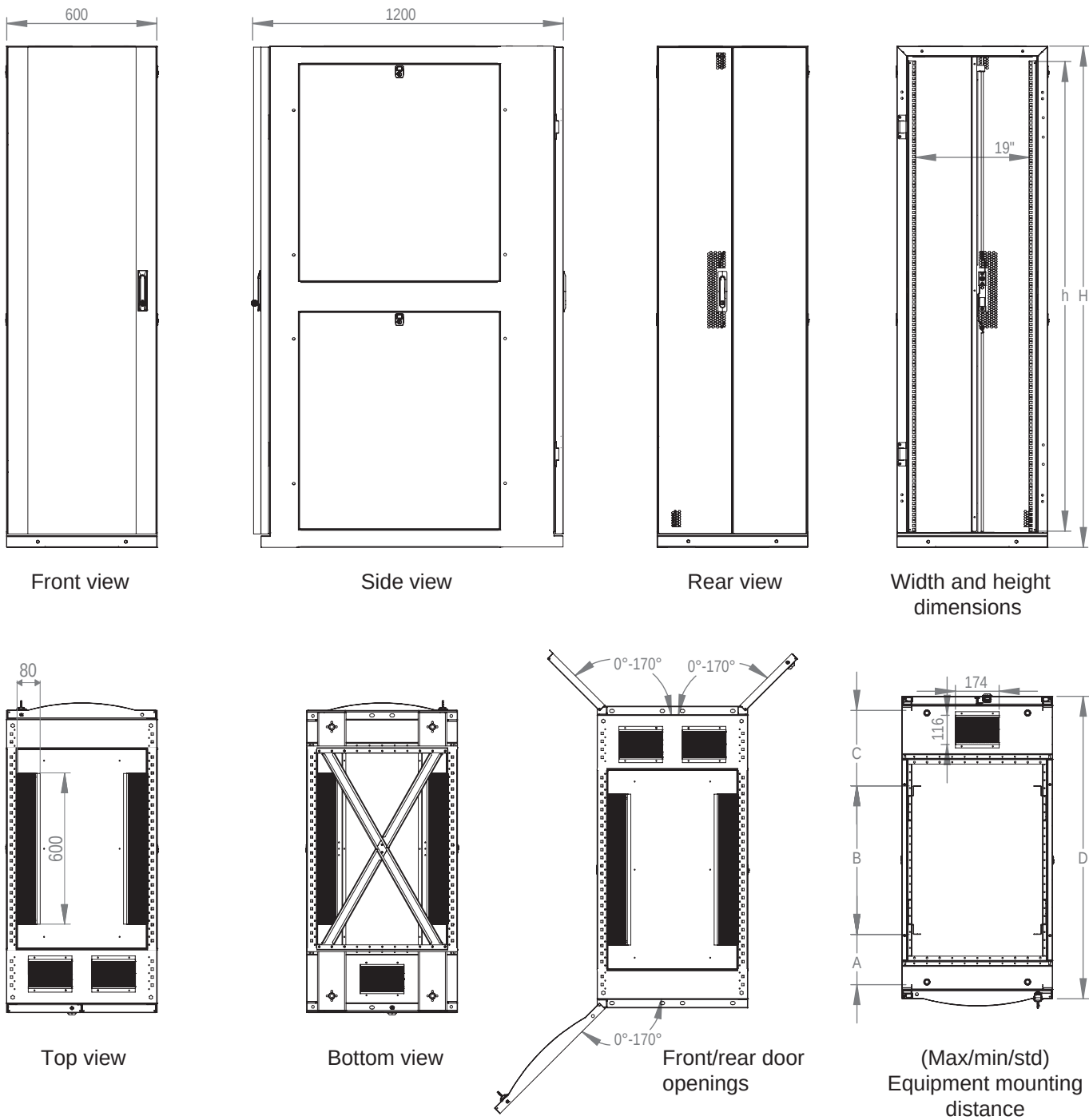
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm

Data Center Cabinets

SE Seismic+

Width : 600 mm
Depth : 1200 mm

Technical Drawings



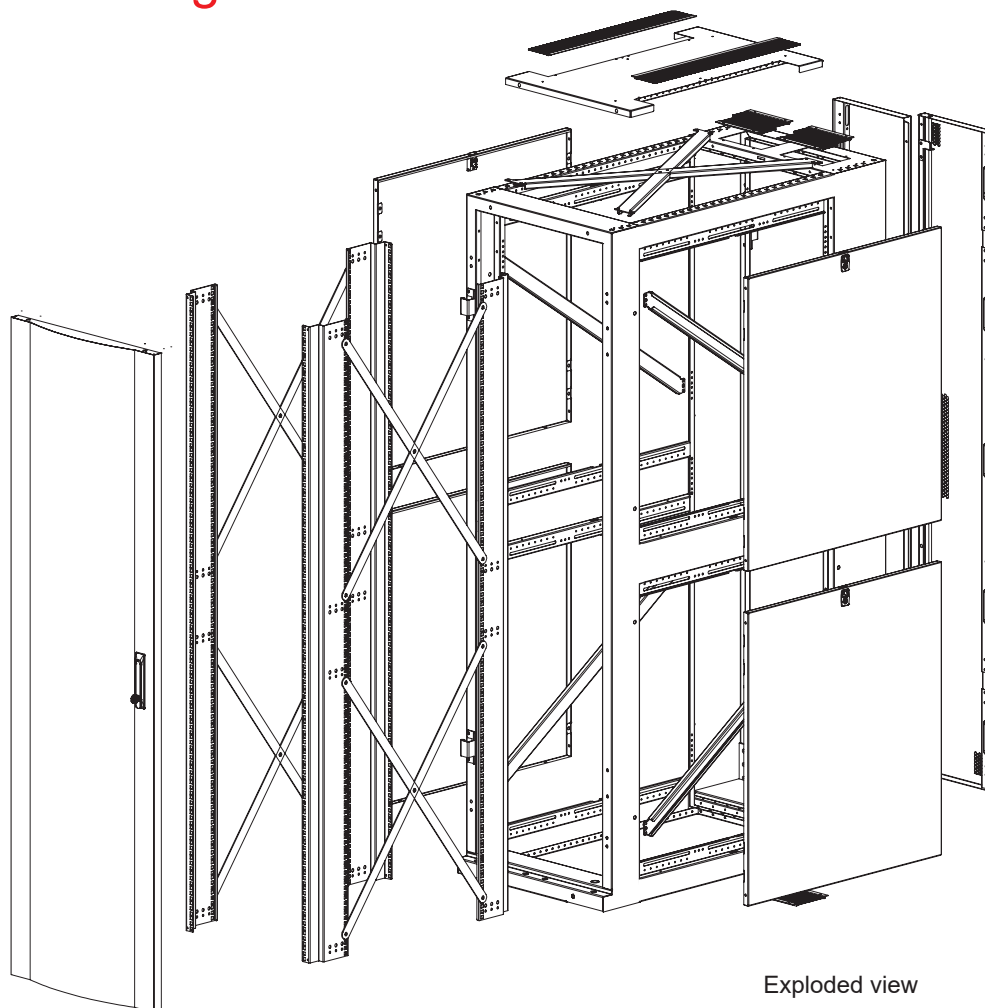
h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

D	A		C		B	
	Min	Max	Min	Max	Min	Max
1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets SE Seismic+

Width : 600 mm
Depth: 1000/1100/1200 mm

Technical Drawings



Exploded view

Data Center Seismic Cabinet Width: 600 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.	U Height of h Dimension	h mm.	H mm, overall without feet and/or castor	Width mm.	Width Rail to Rail	Depth mm.	Depth Shipping Conf. Rail to Rail mm	Packaging Dimensions WxDxH mm.	Net Product Weight kg.	Gross Product Weight kg.
LN-SRDC-SE-42U6010-CC-EGAA	42U Data Center Seismic Cabinet 600x1000 mm	600x1000x1990	42U	1867	1990	600	19"	1000	740	680x1080x2150	133	157
LN-SRDC-SE-45U6010-CC-EGAA	45U Data Center Seismic Cabinet 600x1000 mm	600x1000x2123	45U	2000	2123	600	19"	1000	740	680x1080x2273	144	169
LN-SRDC-SE-47U6010-CC-EGAA	47U Data Center Seismic Cabinet 600x1000 mm	600x1000x2212	47U	2089	2212	600	19"	1000	740	680x1080x2362	151	177
LN-SRDC-SE-42U6011-CC-EGAA	42U Data Center Seismic Cabinet 600x1100 mm	600x1100x1990	42U	1867	1990	600	19"	1100	740	680x1180x2150	141	168
LN-SRDC-SE-45U6011-CC-EGAA	45U Data Center Seismic Cabinet 600x1100 mm	600x1100x2123	45U	2000	2123	600	19"	1100	740	680x1180x2273	149	176
LN-SRDC-SE-47U6011-CC-EGAA	47U Data Center Seismic Cabinet 600x1100 mm	600x1100x2212	47U	2089	2212	600	19"	1100	740	680x1180x2362	160	185
LN-SRDC-SE-42U6012-CC-EGAA	42U Data Center Seismic Cabinet 600x1200 mm	600x1200x1990	42U	1867	1990	600	19"	1200	740	680x1280x2150	152	179
LN-SRDC-SE-45U6012-CC-EGAA	45U Data Center Seismic Cabinet 600x1200 mm	600x1200x2123	45U	2000	2123	600	19"	1200	740	680x1280x2273	163	190
LN-SRDC-SE-47U6012-CC-EGAA	47U Data Center Seismic Cabinet 600x1200 mm	600x1200x2212	47U	2089	2212	600	19"	1200	740	680x1280x2362	170	199

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. EGAA: Refers to standard door selection, see door options page (Page 32-33) for details. E is the front door standard configuration and is used with one of the G, D options. G is the rear door standard configuration and with the D option; AA is the configuration with both side covers as standard, A0 or 00 options can be selected.

Sample customer configuration product code: LN-SRDC-SE-42U6011-BL-GD00, the cabinet you selected is 42U, W600 x D1100 mm, black color Next Generation Data Center Cabinet. Front door is in the configuration with 80% perforation, double opening flat cover, rear door 80% perforated single opening flat cover, completely without side cover.

Data Center Cabinets

SE Seismic+

Width : 600 mm
Depth: 1000/1100/1200 mm

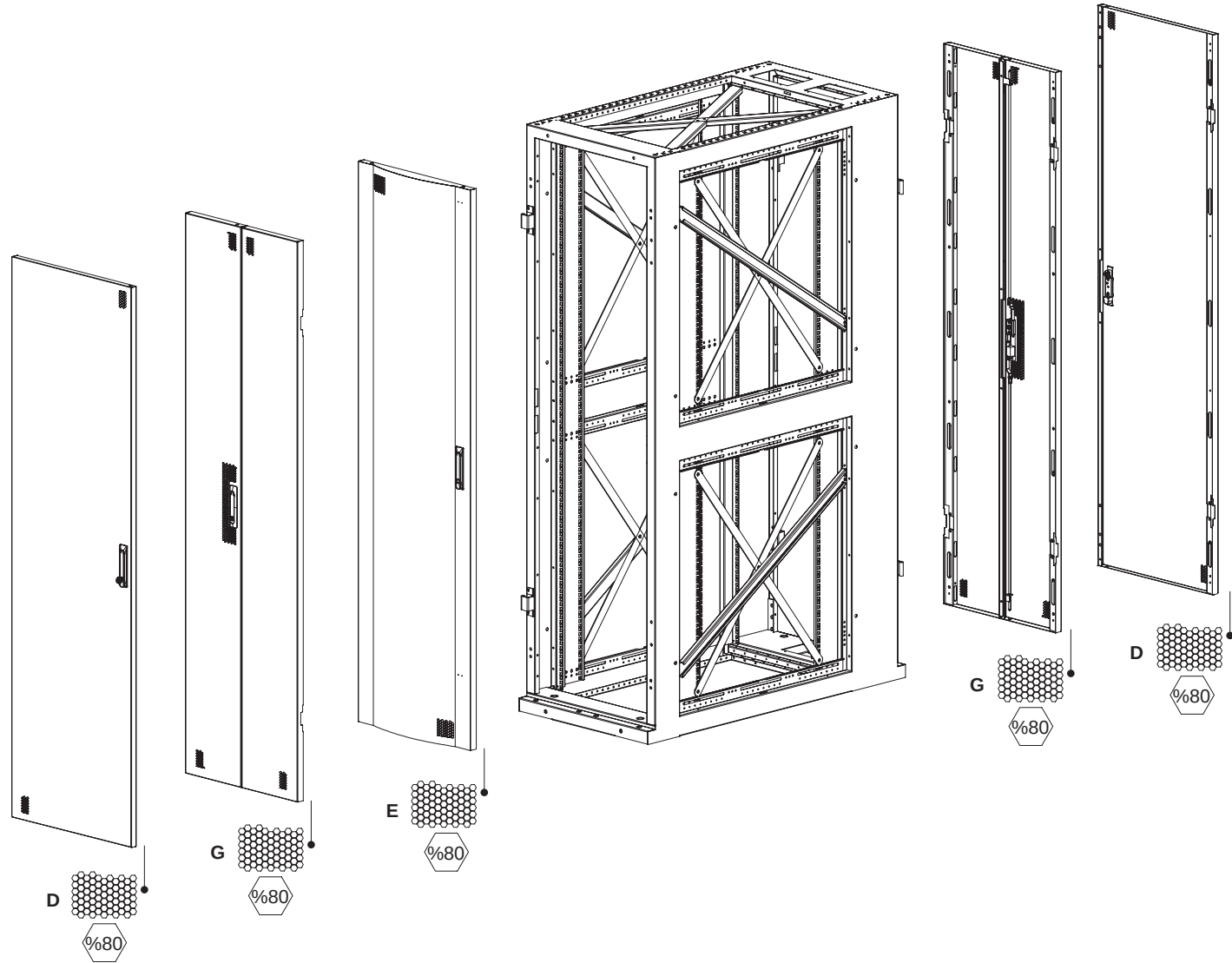
Front/Back Door Options

The front and rear doors of the cabinets are at least 1.2 mm thick, reinforced with special bending forms and additional support profiles. Doors can be opened to a maximum of 170° to the right or left when standing alone, and 135° when in a corridor. They are single-opening, can be dismantled without using any tools, are lockable, and have a monoblock structure with internal support profiles welded along the vertical edges inside the door. The front and rear doors are 9 mm honeycomb perforated to provide 80% air passage.

Front door has professional curved or flat door alternatives due to cabin design ergonomics and aesthetic requirements.

The front and rear doors of the cabinet can be locked from at least 3 points. Vertical metal cable channels are designed on the inside edges of the front and rear doors. These channels serve as a cable route in the use of electronic locks or in the use of EMS / RMS door sensors.

The front and rear doors have two-point concealed hinges placed on the vertical edges. In this hinge system, the doors are easily removable.

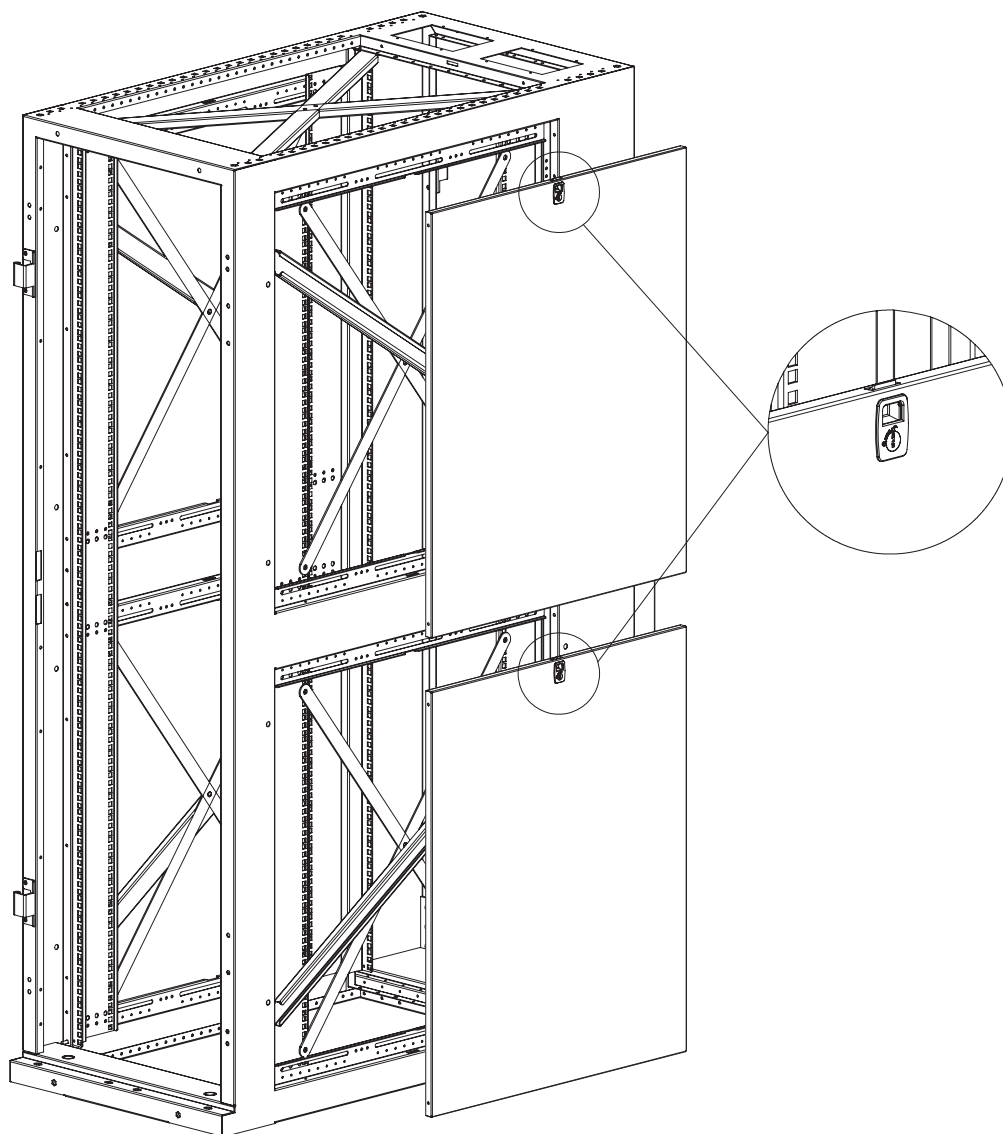


Data Center Cabinets Front/Back Door Options	
Door Option	Description
E	42U, 45U, 47U - 80% perforated, curved, single opening
G	42U, 45U, 47U - 80% perforated, flat, double opening
D	42U, 45U, 47U - 80% perforated, flat, single opening

Data Center Cabinets SE Seismic+

Width : 600 mm
Depth : 1000/1100/1200 mm

Side Panel Options



Data Center Cabinets Locked Side Panel Options

Variations	Definition
AA	42U, 45U, 47U D:1000/1100/1200 mm, split, 2 parts, side panel with bolt and key lock
A0	Single side side panel use. It is for use in cabinets at the beginning of the corridor and at the end of the corridor, when it is desired to use a single side panel between cabinets. It is bolt and key locked.
00	Use without side panel

Data Center Cabinets Side Panels

Product Code	Product Description	Size WxHxD mm
LN-SP-42UD100-CC	42U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x863x19
LN-SP-45UD100-CC	45U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x930x19
LN-SP-47UD100-CC	47U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x974x19
LN-SP-42UD112-CC	42U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x863x19
LN-SP-45UD112-CC	45U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x930x19
LN-SP-47UD112-CC	47U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x974x19

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets SE Seismic+

Width : 800 mm
Depth: 1000/1100/1200 mm

Load Carrying Capacity: 2000 kg.

Standard Heights: 42U, 45U, 47U

Standards and Compliances:



ISO 9001
Quality Management System

EN 61587-1
Mechanical Structures for
Electronic Equipment

EN IEC 60297, 19" Mounting
EN IEC 60917 Overall Cabinet
Dimensions

EN/IEC 60529 - IP20 Ingress Protection
performance

EN/IEC 62262 - IK07 Mechanical
Impact Resistance

EIA/ ECA-310 (D/E) 19" 482,6 mm
and U 44,45 mm Height Sizing



CE conform to
EN 60950-1
Information Technology
Equipment, Safety,
Part-1: General Requirement

EN IEC 62368-1 Audio/Video, Information
and Communication Technology
Equipment
Part 1: Safety requirements



UL listed to
UL 2416, Outline of Investigation for
Audio/Video, Information and
Communication Technology Equipment
Cabinet, Enclosure and Rack
Systems; UL 60950-1 and CSA C22.2
NO. 60950-1-07, Information Technology
Equipment Safety
Part 1: General Requirements



Environment Friendly;
ISO 14001 Environmental
Management System
RoHS compliancy
%100 Recyclable Material

Standard Color:



RAL 7035 Light Grey



RAL 9005 Black



If the earthquake resistance obtained by adding the seismic support kit accessory (**page 25**) to the Standard Data Center Cabinets is not considered sufficient, you can choose Lande SE Series Seismic+ Data Center Cabinets which has a heavy-duty seismic resistance due to its construction.

Lande SE Series Seismic+ Data Center Cabinets with W:800 mm and D:1000/1100/1200 mm physical dimensions have a maximum internal depth usage, and offer users the opportunity to choose from 3 different U heights.

See pages 39 and 40 for front/rear door and side panel options.

Static Load Carrying Capacity: 2000 kg.

Dynamic Load Carrying Capacity: 1400 kg.

EN IEC 60068-3-3 Seismic Resistance: 1020 kg.

Telcordia NEBS GR 63 ZONE 4 Seismic resistance: 1020 kg.

Test Reports and Certifications

Dynamic Load
Carrying Capacity



EN IEC 60068-3-3
Seismic Test



Telcordia NEBS GR 63
ZONE 4 Seismic Test

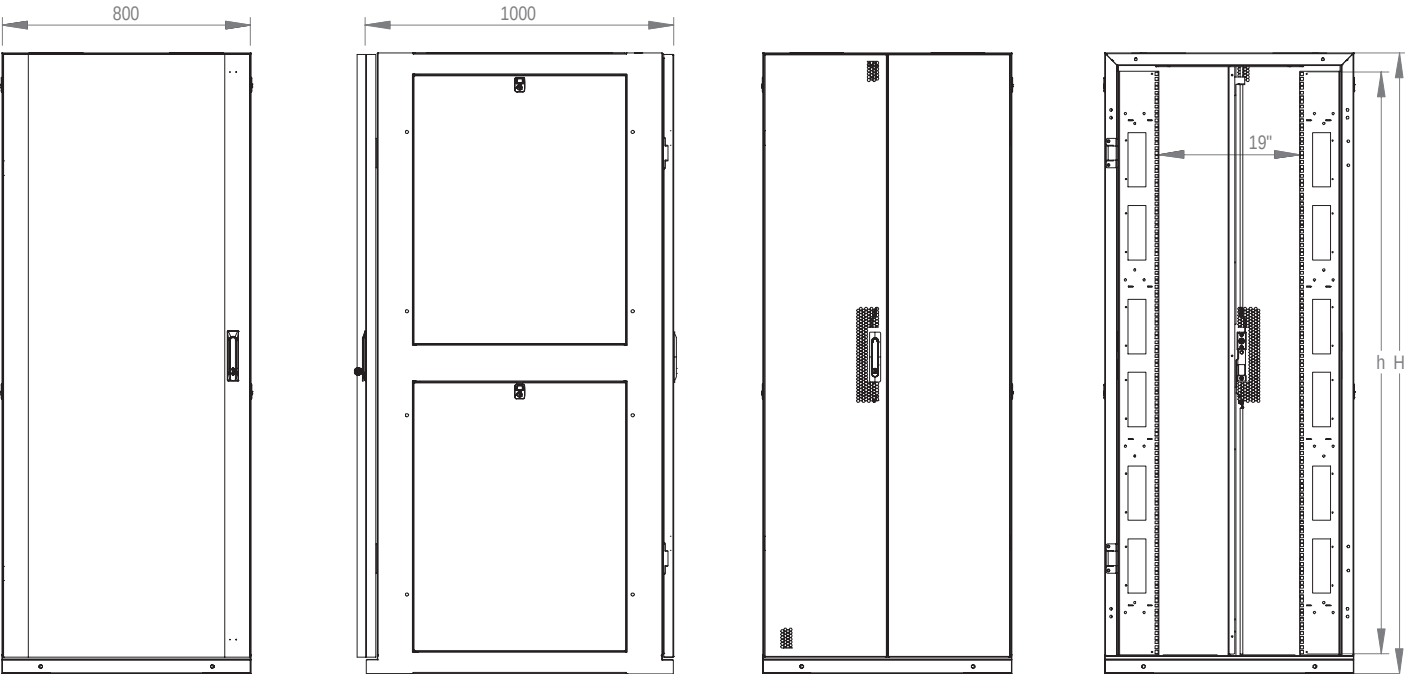


Data Center Cabinets

SE Seismic+

Width : 800 mm
Depth : 1000 mm

Technical Drawings

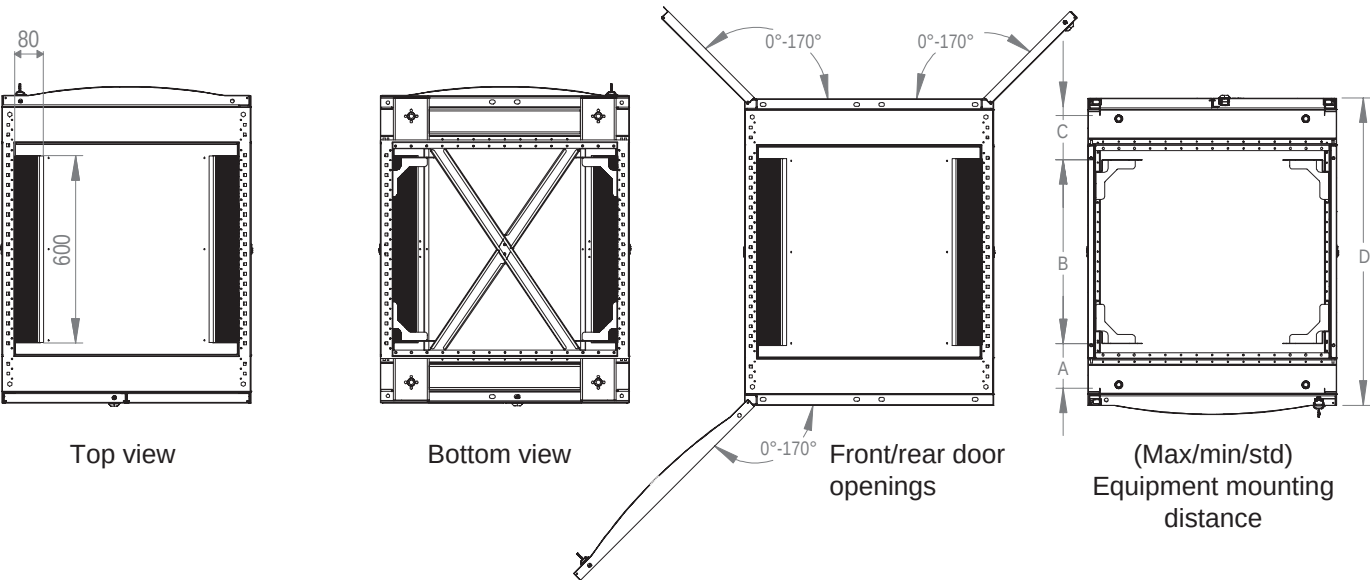


Front view

Side view

Rear view

Width and height dimensions



Top view

Bottom view

Front/rear door openings

(Max/min/std)
Equipment mounting distance

h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

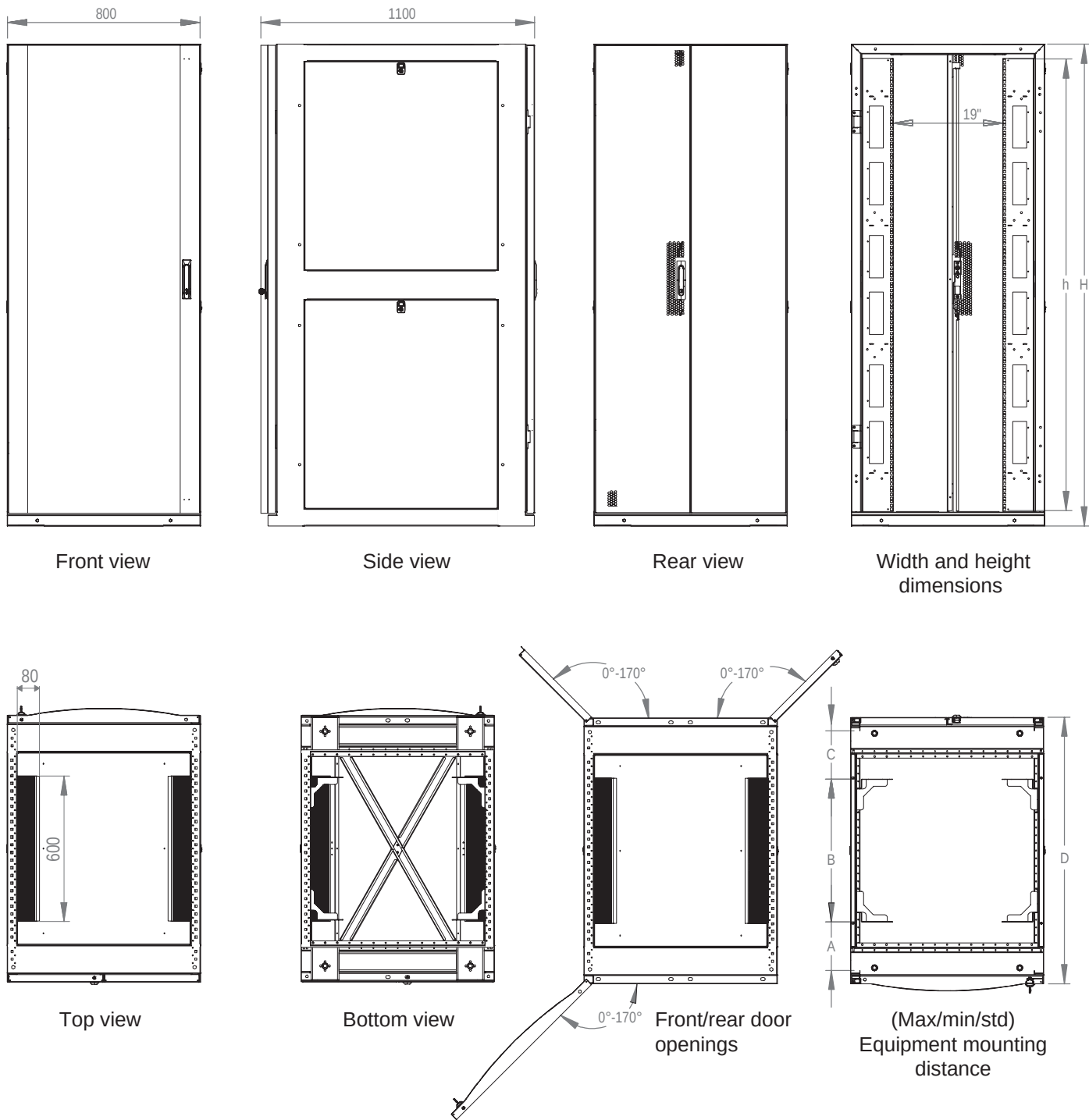
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm

Data Center Cabinets

SE Seismic+

Width : 800 mm
Depth : 1100 mm

Technical Drawings



h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

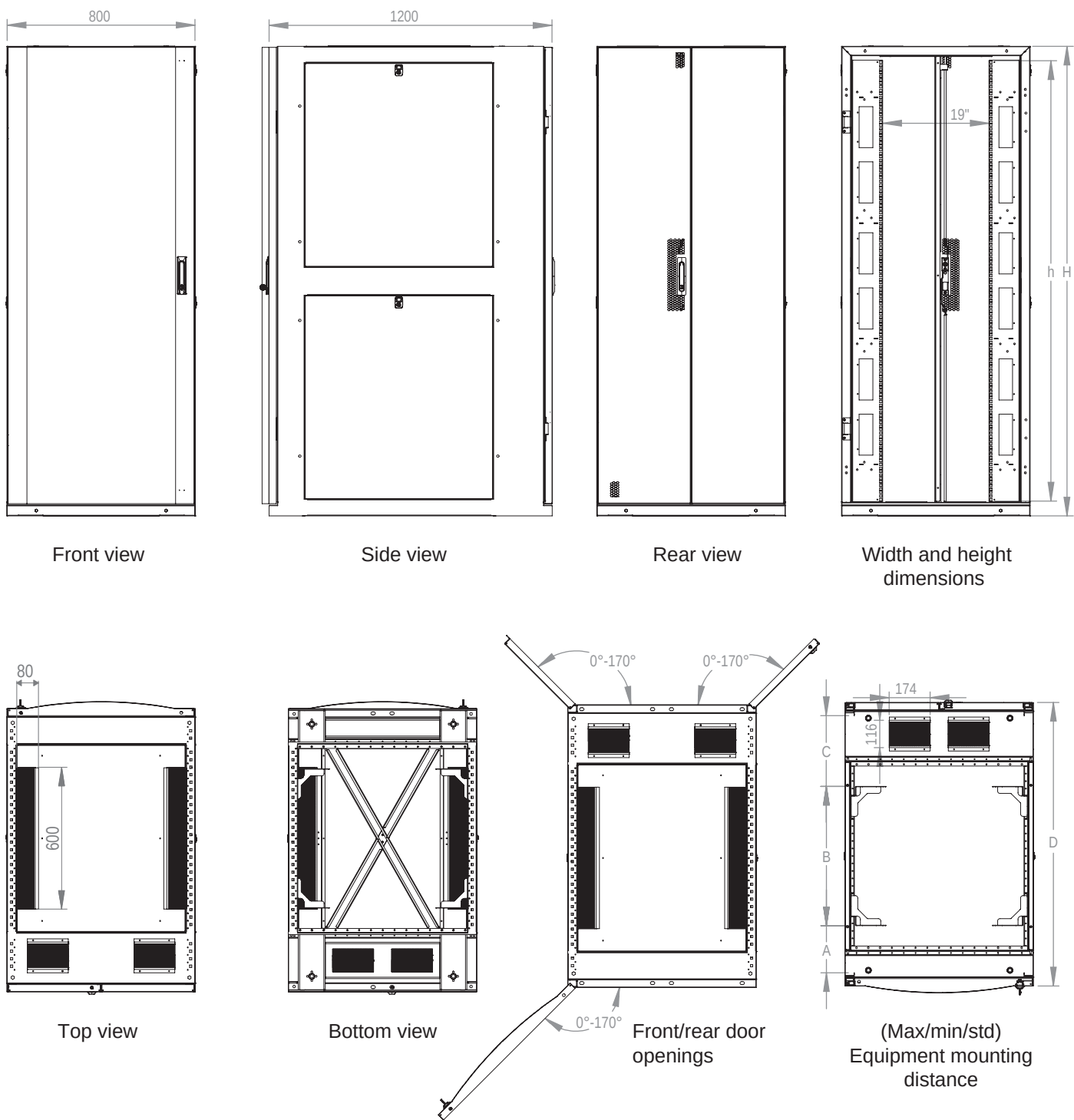
D	A		C		B	
	Min	Max	Min	Max	Min	Max
1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm

Data Center Cabinets

SE Seismic+

Width : 800 mm
Depth : 1200 mm

Technical Drawings



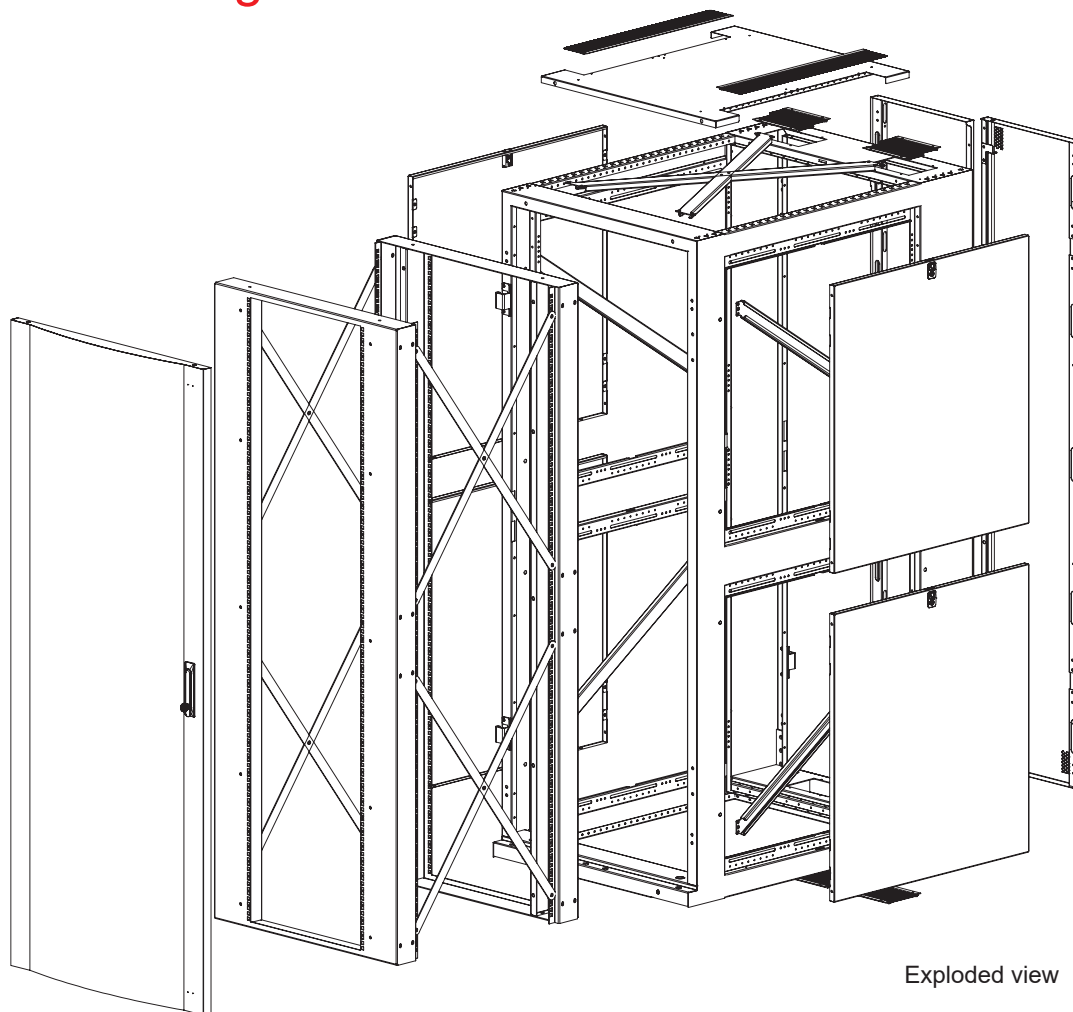
h	H
42U	1990 mm
45U	2123 mm
47U	2212 mm

D	A		C		B	
	Min	Max	Min	Max	Min	Max
1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets SE Seismic+

Width : 800 mm
Depth : 1000/1100/1200 mm

Technical Drawings



Exploded view

Data Center Seismic Cabinet Width: 800 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.	U Height of h Dimension	h mm.	H mm, overall without feet and/or castor	Width mm.	Width Rail to Rail	Depth mm.	Depth Shipping Conf. Rail to Rail mm	Packaging Dimensions WxDxH mm.	Net Product Weight kg.	Gross Product Weight kg.
LN-SRDC-SE-42U8010-CC-EGAA	42U Data Center Seismic Cabinet 800x1000 mm	800x1000x1990	42U	1867	1990	800	19"	1000	740	880x1080x2150	174	195
LN-SRDC-SE-45U8010-CC-EGAA	45U Data Center Seismic Cabinet 800x1000 mm	800x1000x2123	45U	2000	2123	800	19"	1000	740	880x1080x2273	186	211
LN-SRDC-SE-47U8010-CC-EGAA	47U Data Center Seismic Cabinet 800x1000 mm	800x1000x2212	47U	2089	2212	800	19"	1000	740	880x1080x2362	194	220
LN-SRDC-SE-42U8011-CC-EGAA	42U Data Center Seismic Cabinet 800x1100 mm	800x1100x1990	42U	1867	1990	800	19"	1100	740	880x1180x2150	188	210
LN-SRDC-SE-45U8011-CC-EGAA	45U Data Center Seismic Cabinet 800x1100 mm	800x1100x2123	45U	2000	2123	800	19"	1100	740	880x1180x2273	197	223
LN-SRDC-SE-47U8011-CC-EGAA	47U Data Center Seismic Cabinet 800x1100 mm	800x1100x2212	47U	2089	2212	800	19"	1100	740	880x1180x2362	206	234
LN-SRDC-SE-42U8012-CC-EGAA	42U Data Center Seismic Cabinet 800x1200 mm	800x1200x1990	42U	1867	1990	800	19"	1200	740	880x1280x2150	198	224
LN-SRDC-SE-45U8012-CC-EGAA	45U Data Center Seismic Cabinet 800x1200 mm	800x1200x2123	45U	2000	2123	800	19"	1200	740	880x1280x2273	210	237
LN-SRDC-SE-47U8012-CC-EGAA	47U Data Center Seismic Cabinet 800x1200 mm	800x1200x2212	47U	2089	2212	800	19"	1200	740	880x1280x2362	219	248

*CC= Color Code refers to LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. EGAA: Refers to standard door selection, see door options page (P. 39-40) for details. E is the front door standard configuration and is used with one of the G, D options. G is the rear door standard configuration and with the D option; AA is the configuration with both side covers as standard, A0 or 00 options can be selected.

Sample customer configuration product code: LN-SRDC-ND-42U8011-BL-DGA0, the cabinet you selected is 42U, W800 x D1100 mm, black color Next Generation Data Center Cabinet. Front door is in the configuration with 80% perforation, single opening flat cover, rear door 80% perforated double opening flat cover, with only one side panel.

Data Center Cabinets

SE Seismic+

Width : 800 mm
Depth : 1000/1100/1200 mm

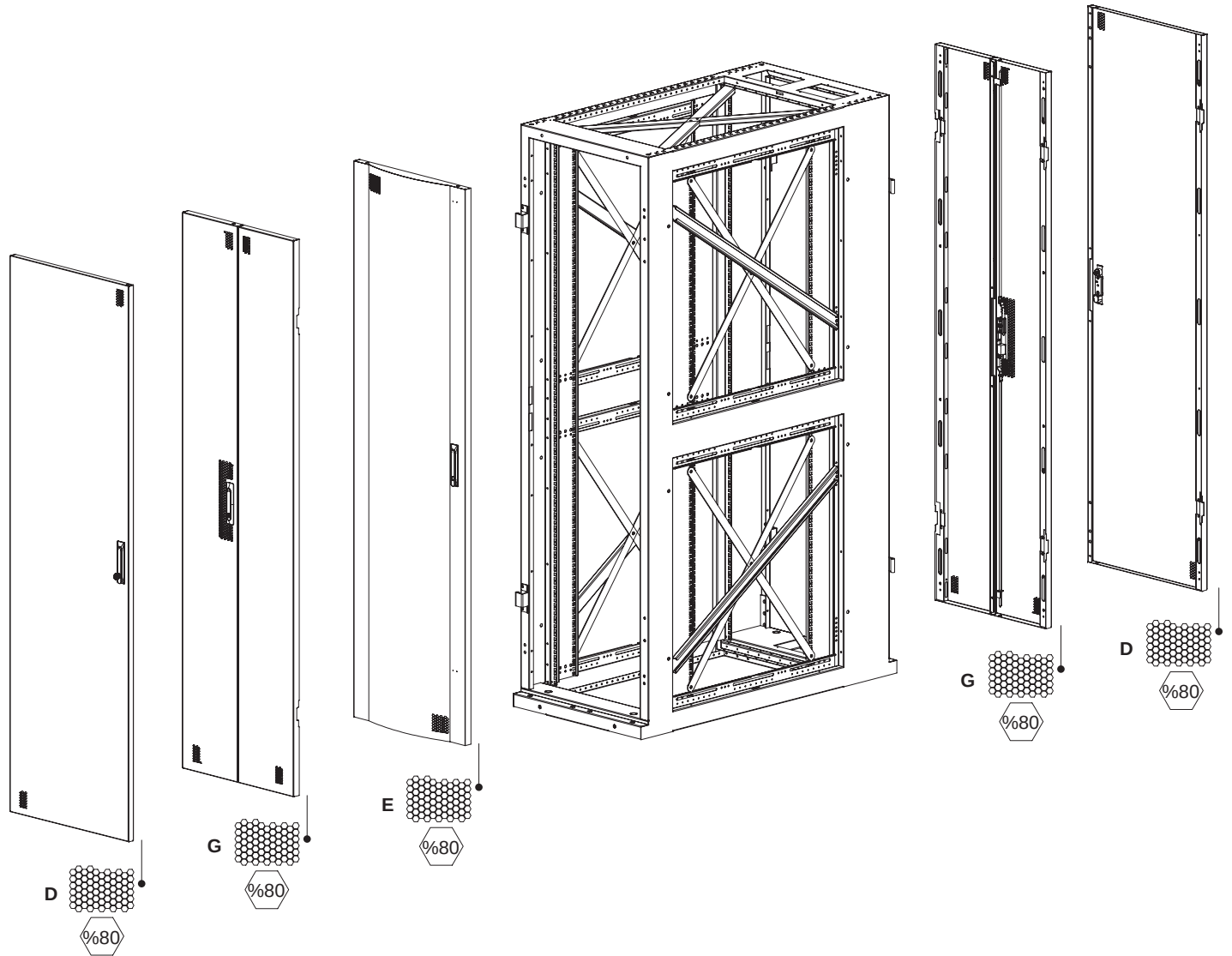
Front/Back Door Options

The front and rear doors of the cabinets are at least 1.2 mm thick, reinforced with special bending forms and additional support profiles. Doors can be opened to a maximum of 170° to the right or left when standing alone, and 135° when in a corridor. They are single-opening, can be dismantled without using any tools, are lockable, and have a monoblock structure with internal support profiles welded along the vertical edges inside the door. The front and rear doors are 9 mm honeycomb perforated to provide 80% air passage.

Front door has professional curved or flat door alternatives due to cabin design ergonomics and aesthetic requirements.

The front and rear doors of the cabinet can be locked from at least 3 points. Vertical metal cable channels are designed on the inside edges of the front and rear doors. These channels serve as a cable route in the use of electronic locks or in the use of EMS / RMS door sensors.

The front and rear doors have two-point concealed hinges placed on the vertical edges. In this hinge system, the doors are easily removable.

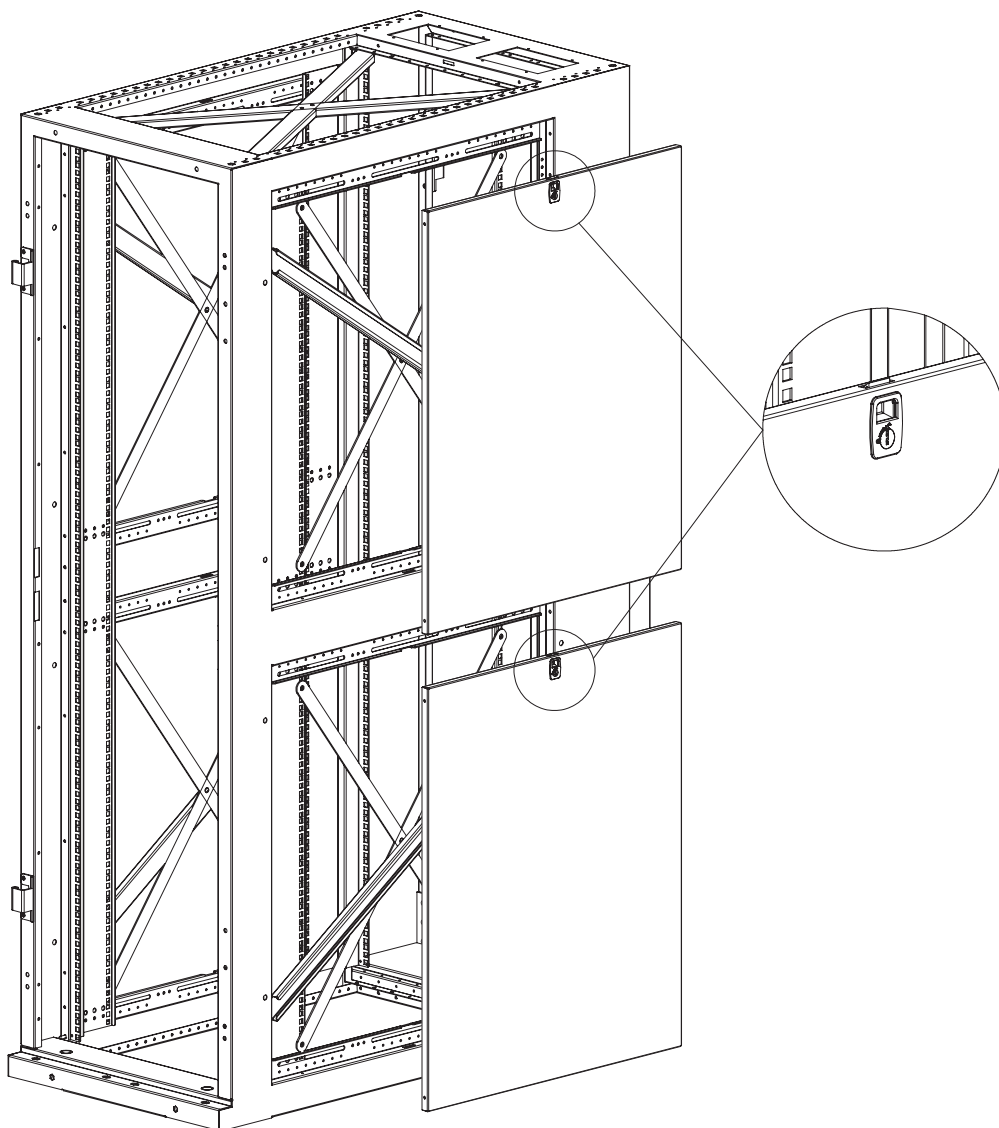


Data Center Cabinets Front/Back Door Options	
Door Option	Description
E	42U, 45U, 47U - 80% perforated, curved, single opening
G	42U, 45U, 47U - 80% perforated, flat, double opening
D	42U, 45U, 47U - 80% perforated, flat, single opening

Data Center Cabinets SE Seismic+

Width : 800 mm
Depth : 1000/1100/1200 mm

Side Panel Options



Data Center Cabinets Locked Side Panel Options

Variations	Definition
AA	42U, 45U, 47U D:1000/1100/1200 mm, split, 2 parts, side panel with bolt and key lock
A0	Single side side panel use. It is for use in cabinets at the beginning of the corridor and at the end of the corridor, when it is desired to use a single side panel between cabinets. It is bolt and key locked.
00	Use without side panel

Data Center Cabinets Side Panels

Product Code	Product Description	Size WxHxD mm
LN-SP-42UD100-CC	42U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x863x19
LN-SP-45UD100-CC	45U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x930x19
LN-SP-47UD100-CC	47U D1000 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	797x974x19
LN-SP-42UD112-CC	42U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x863x19
LN-SP-45UD112-CC	45U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x930x19
LN-SP-47UD112-CC	47U D1100/1200 mm side panel, top/bottom two parts, 1 set, closes one side of the cabinet	897x974x19

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

Co-location Cabinets

- ✓ New generation design.
- ✓ EN 60529 IP20 Protection level.
- ✓ 80% perforated front and rear doors for best air circulation.
- ✓ Doors can be opened at a maximum of 170° to the right or left when standing alone, and 135° when in a corridor.
- ✓ 19" profiles that can be moved in depth.
- ✓ Front and rear doors are with 9 mm wide, honeycomb shaped hexagonal perforation.
- ✓ Static load carrying capacity is 1,500 kg.
- ✓ Dynamic load carrying capacity is 1,400 kg.
- ✓ Dimensions; standard 42U, 45U, 47U height, 600 or 800 width, 1000, 1100 or 1200 mm deep. Project-based productions can also be made at 48U, 52U, 54U, 62U or any desired heights. Capable of meeting all needs in data centers with its rich accessory options,
- ✓ Suitable for hot / cold aisle applications.
- ✓ The delivery configuration is a handled lock with a standard cylindrical lock barrel. 3-digit encryption handled locks or profile type semi-cylindrical lock barrels are optionally available.
- ✓ Provides maximum internal usage area for servers.
- ✓ Professional cabling sections on, under and inside the rack cabinet.
- ✓ High grounding continuity is available. The grounding resistance is below 100 mΩ. EN 61587-1 subclause 8.2 application procedure is according to IEC 61010-1.
- ✓ Provides an aesthetic and professional appearance in applied areas with its design.
- ✓ There are possibilities available in the design for the application of on-cabinet wiring accessories, air routing accessories, cable management and organizing accessories.
- ✓ Cabinet options with 2, 3 and 4 compartments.
- ✓ Air guiding accessories.
- ✓ Cable management and organization accessories.
- ✓ Top closing solutions for different needs.
- ✓ Suitable for electronic and mechanical lock use.
- ✓ Separate cable entry of each compartment.
- ✓ Separate closed cable channels between compartments.
- ✓ Inter-compartment PDU connectors.
- ✓ Standard colors; RAL 7035 Light Gray and RAL 9005 Black.
- ✓ 19" mounting rails suitable for mounting all server devices.
- ✓ Right/left cable passage holes drilled on the partition shelf.
- ✓ Openable, lockable side panels.
- ✓ Each compartment is suitable for pdu mounting.
- ✓ Cable tray with vertical hooks.
- ✓ Grounding Busbar.

Technical Specifications

- ✓ 3-axis corner joint in closed profile structure.
- ✓ Doors made of DKP sheet, electrostatic powder painted.
- ✓ 19" device mounting rails are electro galvanized and 2 mm thick.
- ✓ Side panels are 1.20 mm thick and electrostatic powder painted.

Width : 600/800 mm
Depth : 1000/1100/1200 mm

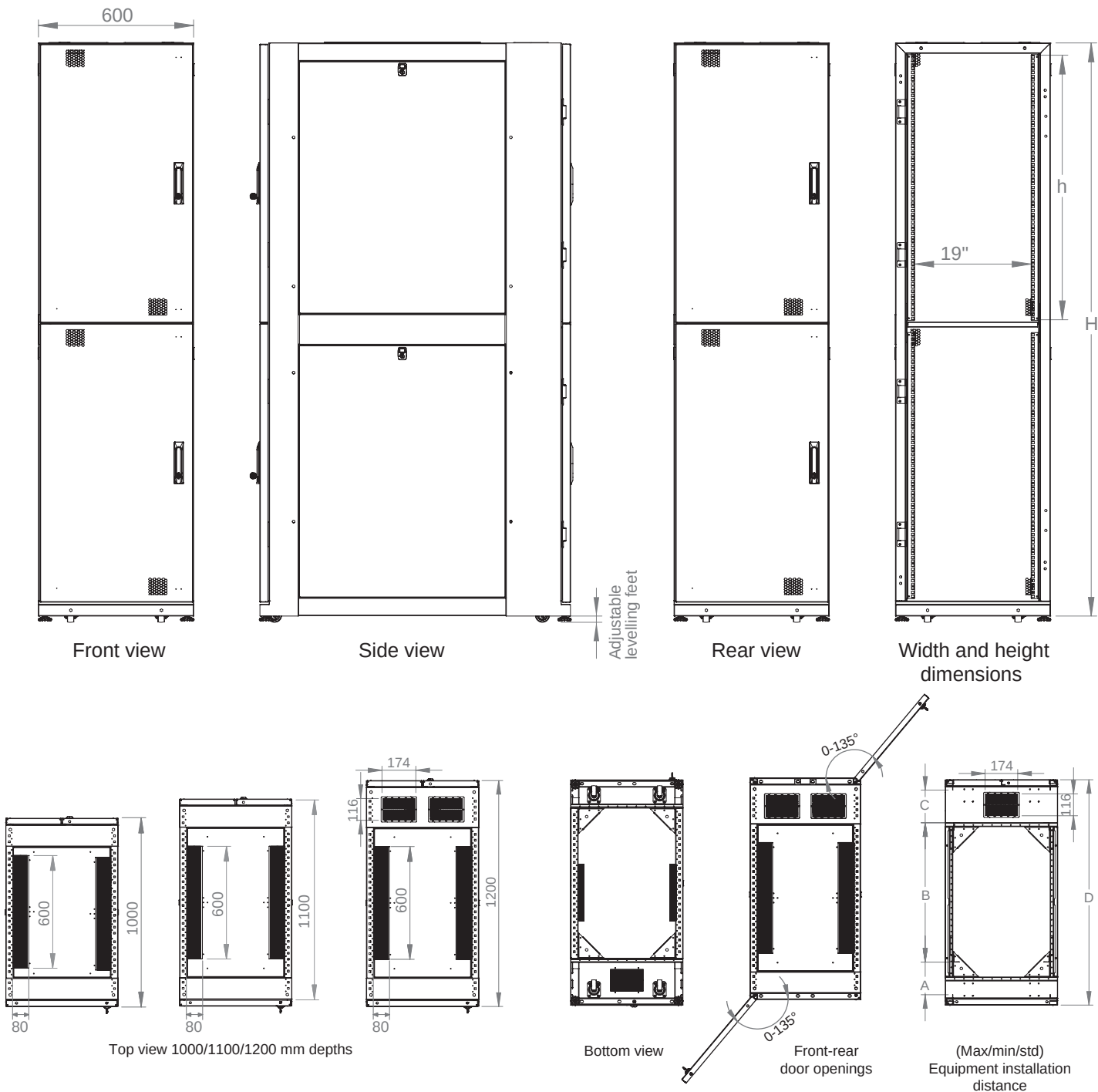


Data Center Cabinets

Two Compartment (Co-location) Cabinets

Width : 600 mm

Depth: 1000/1100/1200 mm

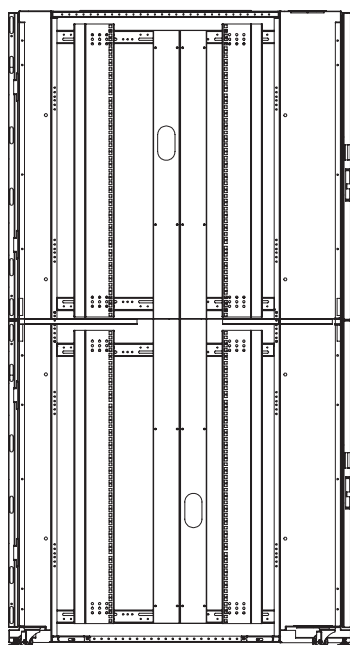


	H		h	D	A		C		B	
	Min	Max			Min	Max	Min	Max	Min	Max
42U	1990 mm	20U		1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
45U	2123 mm	22U		1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
47U	2212 mm	23U		1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

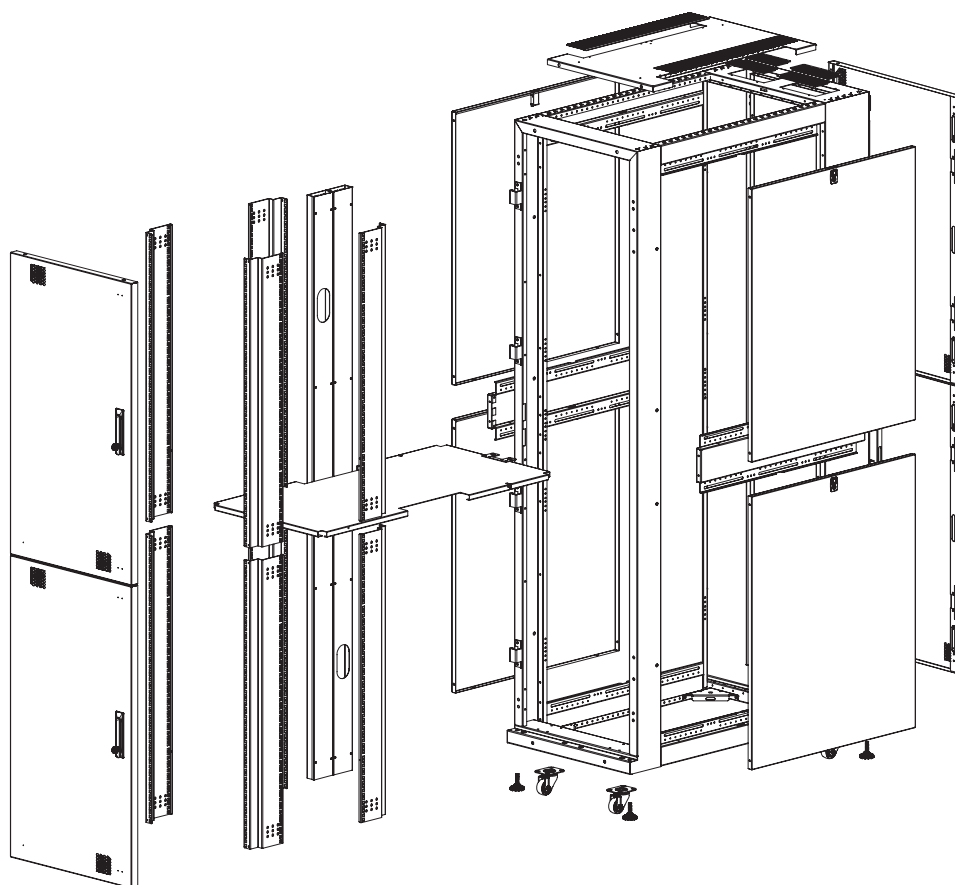
Data Center Cabinets

Width : 600 mm
Depth: 1000/1100/1200 mm

Two Compartment (Co-location) Cabinets



Side interior view



Exploded view

Data Center Two Compartment (Co-location) Cabinets W:600 mm Depth: 1000/1100/1200 mm		
*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U6010-CC-C2	42U, 600x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 20U, lower compartment 20U suitable for use, includes conduit for energy input (closed).	600x1000x1990
LN-SRDC-ND-45U6010-CC-C2	45U, 600x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, includes conduit for energy input (closed).	600x1000x2123
LN-SRDC-ND-47U6010-CC-C2	47U, 600x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 23U, lower compartment 23U suitable for use, includes conduit for energy input (closed).	600x1000x2212
LN-SRDC-ND-42U6011-CC-C2	42U, 600x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 20U, lower compartment 20U suitable for use, includes conduit for energy input (closed).	600x1100x1990
LN-SRDC-ND-45U6011-CC-C2	45U, 600x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, includes conduit for energy input (closed).	600x1100x2123
LN-SRDC-ND-47U6011-CC-C2	600x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 23U, lower compartment 23U suitable for use, includes conduit for energy input (closed).	600x1100x2212
LN-SRDC-ND-42U6012-CC-C2	42U, 600x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 20U, lower compartment 20U suitable for use, includes conduit for energy input (closed).	600x1200x1990
LN-SRDC-ND-45U6012-CC-C2	45U, 600x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, includes conduit for energy input (closed).	600x1200x2123
LN-SRDC-ND-47U6012-CC-C2	47U, 600x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 23U, lower compartment 23U suitable for use, includes conduit for energy input (closed).	600x1200x2212

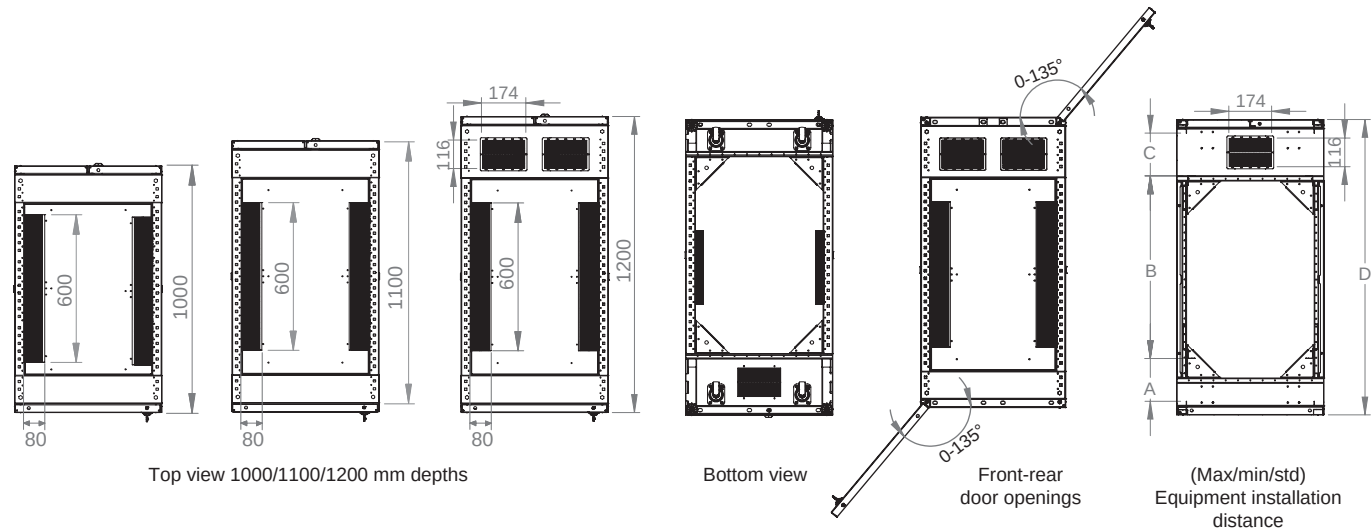
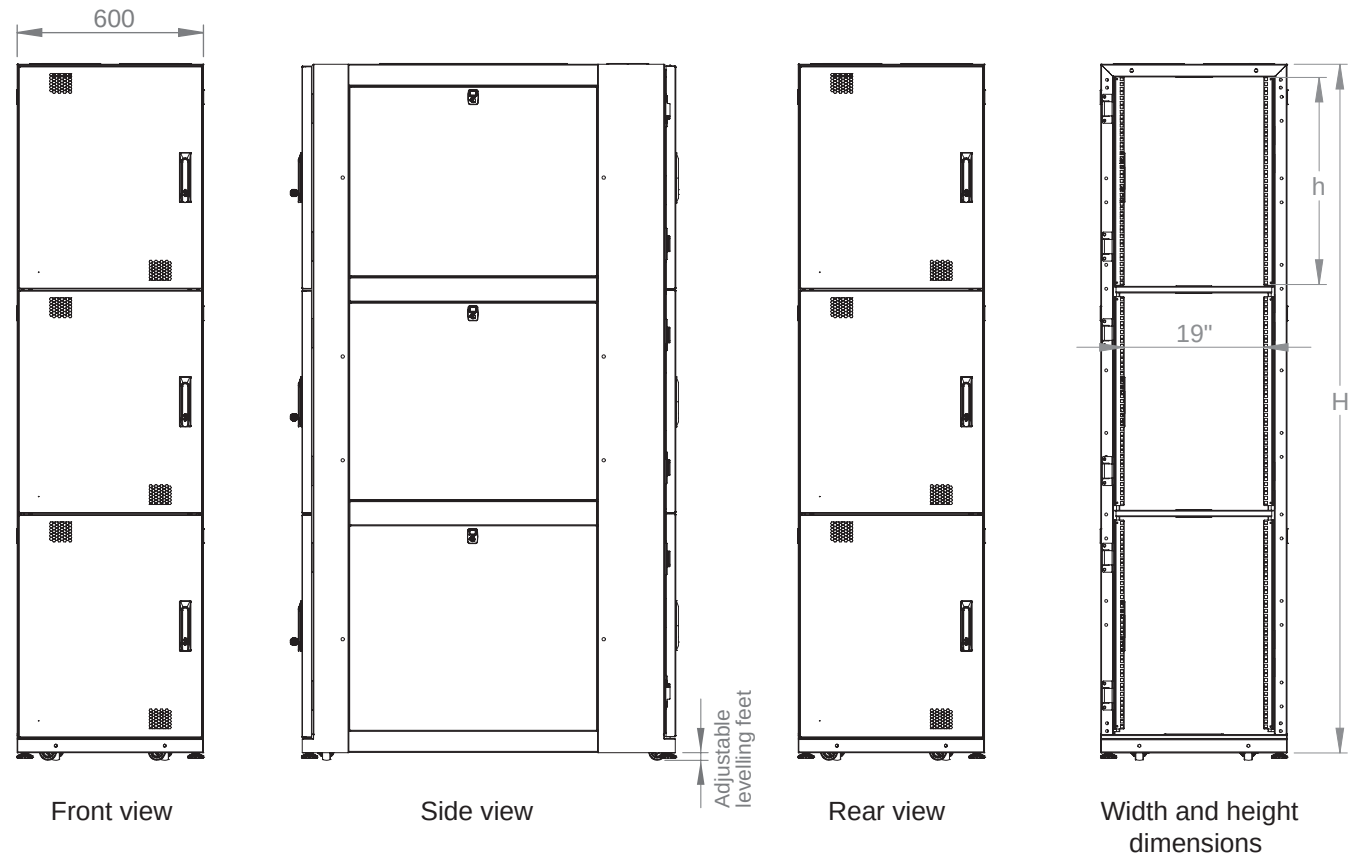
*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C2 refers to the cabinet with two compartments.

Data Center Cabinets

Three Compartment (Co-location) Cabinets

Width : 600 mm

Depth: 1000/1100/1200 mm

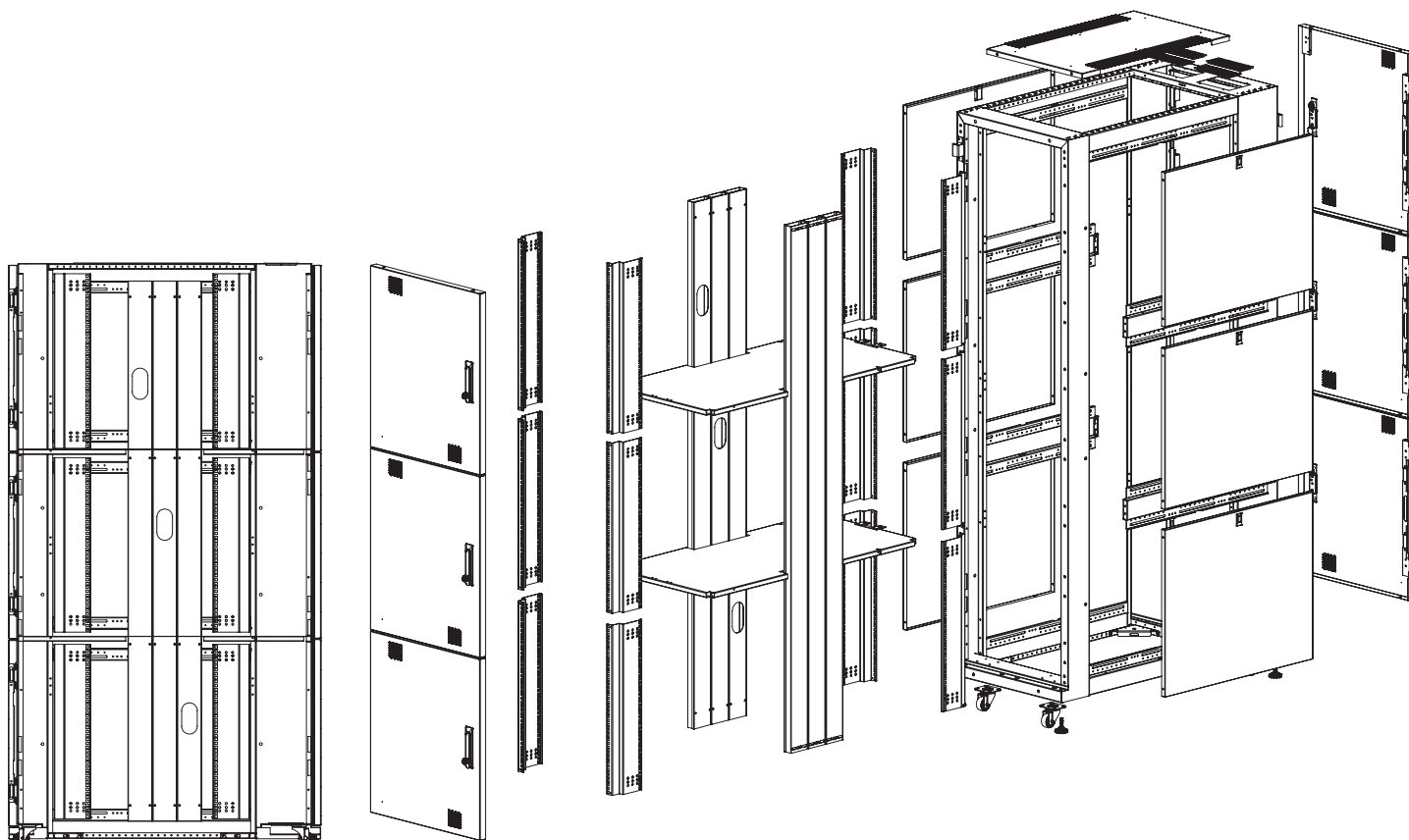


	H	h		A		C		B	
			D	Min	Max	Min	Max	Min	Max
42U	1990 mm	13U	1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
45U	2123 mm	14U	1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
47U	2212 mm	15U	1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets

Width : 600 mm
Depth: 1000/1100/1200 mm

Three Compartment (Co-location) Cabinets



Side interior view

Exploded view

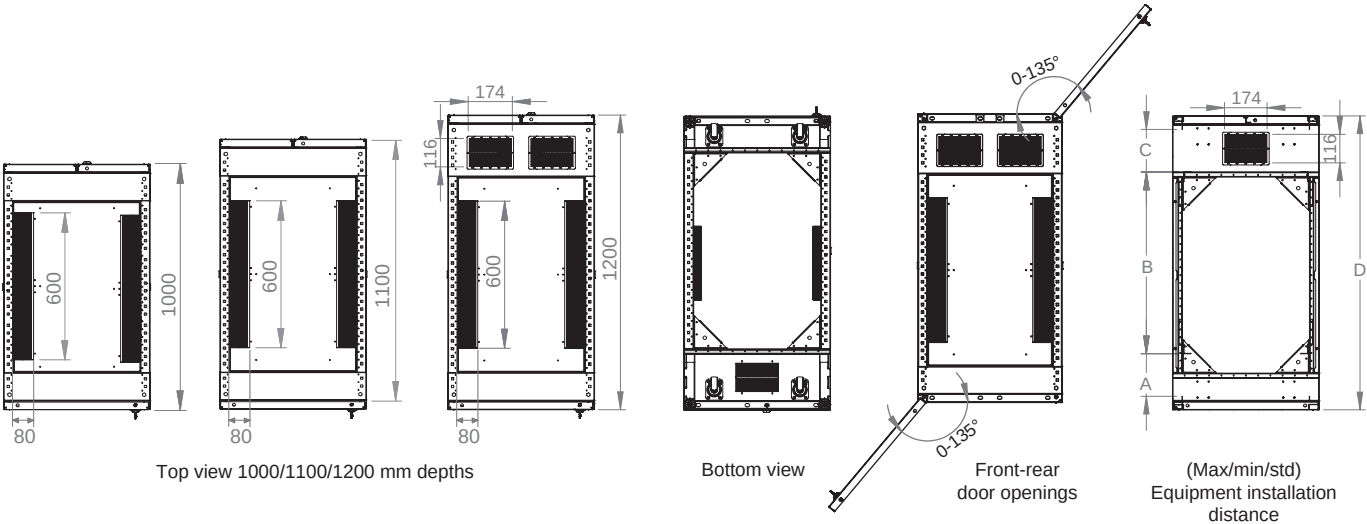
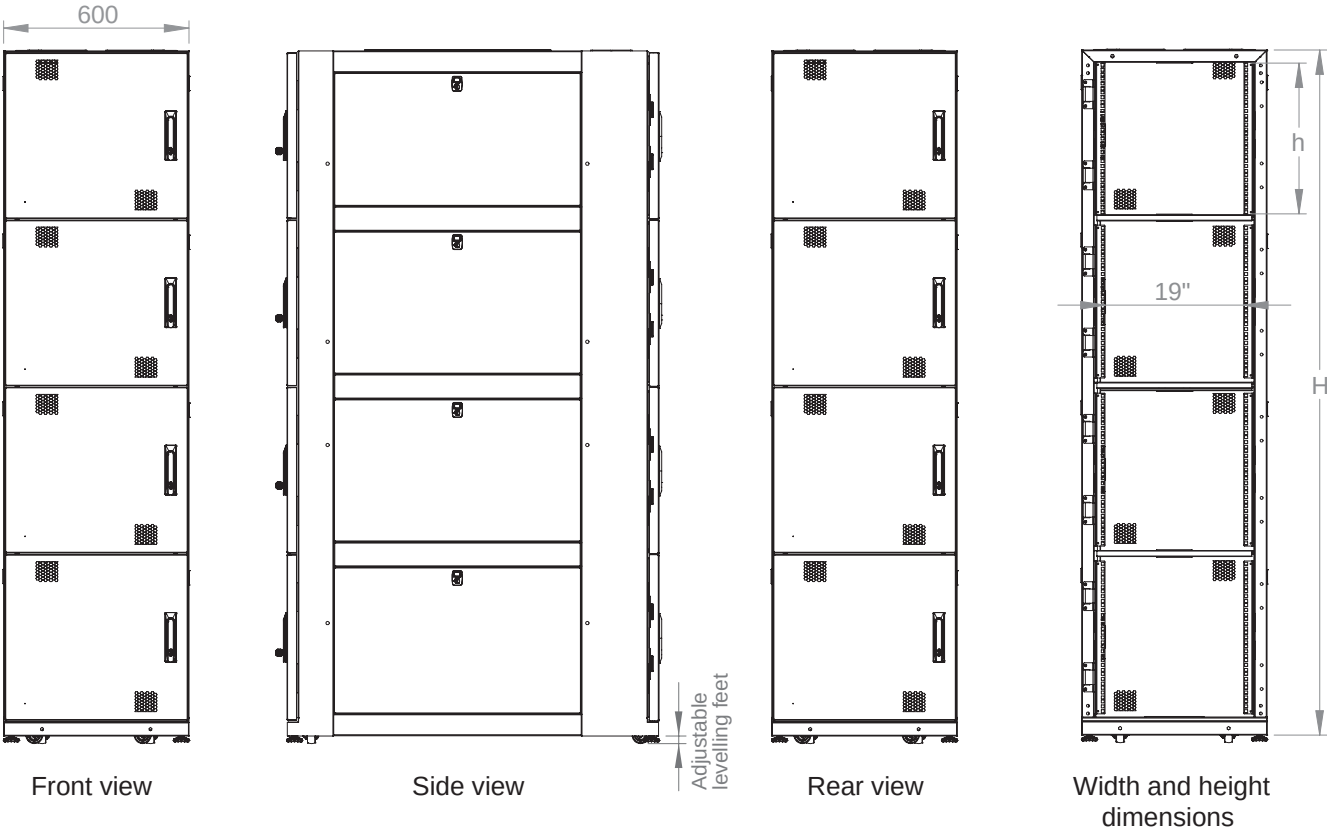
Data Center Three Compartment (Co-location) Cabinets W:600 mm Depth: 1000/1100/1200 mm		
*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U6010-CC-C3	42U, 600x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	600x1000x1990
LN-SRDC-ND-45U6010-CC-C3	45U, 600x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	600x1000x2123
LN-SRDC-ND-47U6010-CC-C3	47U, 600x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	600x1000x2212
LN-SRDC-ND-42U6011-CC-C3	42U, 600x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	600x1100x1990
LN-SRDC-ND-45U6011-CC-C3	45U, 600x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	600x1100x2123
LN-SRDC-ND-47U6011-CC-C3	47U, 600x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	600x1100x2212
LN-SRDC-ND-42U6012-CC-C3	42U, 600x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	600x1200x1990
LN-SRDC-ND-45U6012-CC-C3	45U, 600x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	600x1200x2123
LN-SRDC-ND-47U6012-CC-C3	47U, 600x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	600x1200x2212

*CC= Color code, LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C3 refers to the three compartment cabinet.

Data Center Cabinets

Width : 600 mm
Depth: 1000/1100/1200 mm

Four Compartment (Co-location) Cabinets

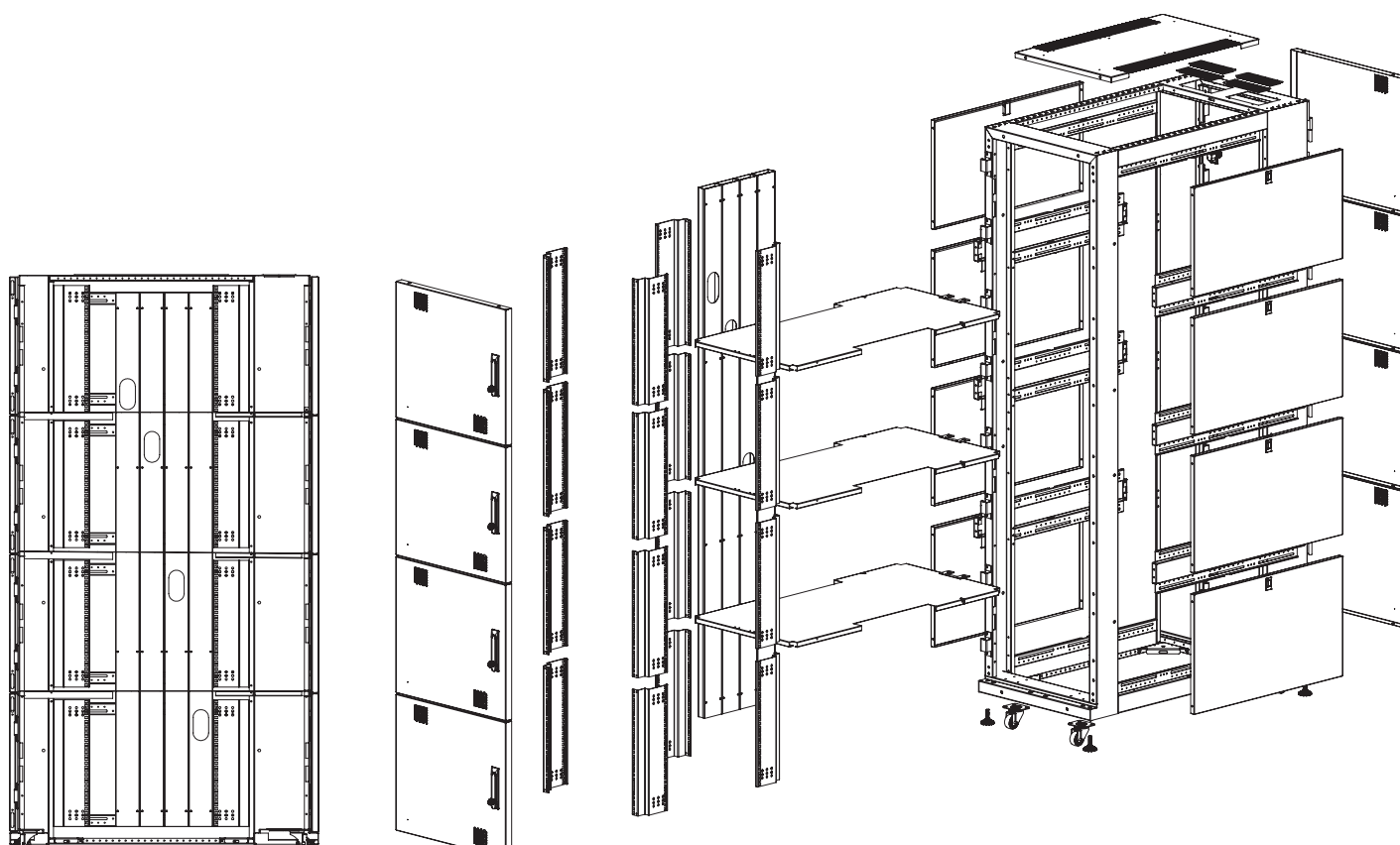


	H	h		A		C		B	
			D	Min	Max	Min	Max	Min	Max
42U	1990 mm	9U	1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
45U	2123 mm	10U	1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
47U	2212 mm	11U	1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

Data Center Cabinets

Width : 600 mm
Depth: 1000/1100/1200 mm

Four Compartment (Co-location) Cabinets



Side interior view

Exploded view

Data Center Four Compartment (Co-location) Cabinets W:600 mm Depth: 1000/1100/1200 mm		
*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U6010-CC-C4	42U, 600x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	600x1000x1990
LN-SRDC-ND-45U6010-CC-C4	45U, 600x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input included.	600x1000x2123
LN-SRDC-ND-47U6010-CC-C4	47U, 600x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	600x1000x2212
LN-SRDC-ND-42U6011-CC-C4	42U, 600x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	600x1100x1990
LN-SRDC-ND-45U6011-CC-C4	45U, 600x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input included.	600x1100x2123
LN-SRDC-ND-47U6011-CC-C4	47U, 600x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	600x1100x2212
LN-SRDC-ND-42U6012-CC-C4	42U, 600x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	600x1200x1990
LN-SRDC-ND-45U6012-CC-C4	45U, 600x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input is included.	600x1200x2123
LN-SRDC-ND-47U6012-CC-C4	47U, 600x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	600x1200x2212

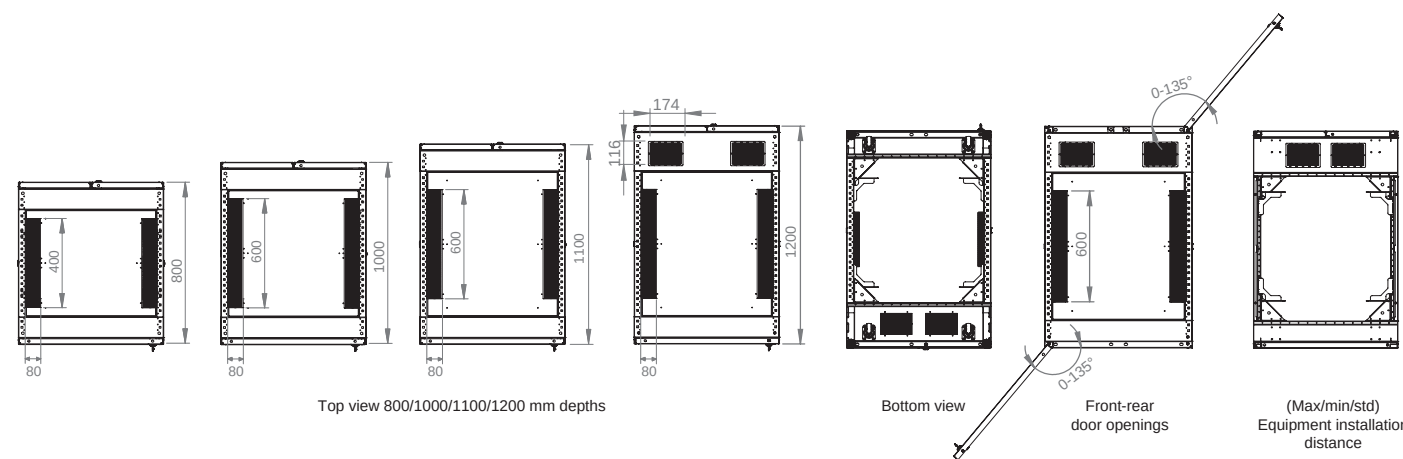
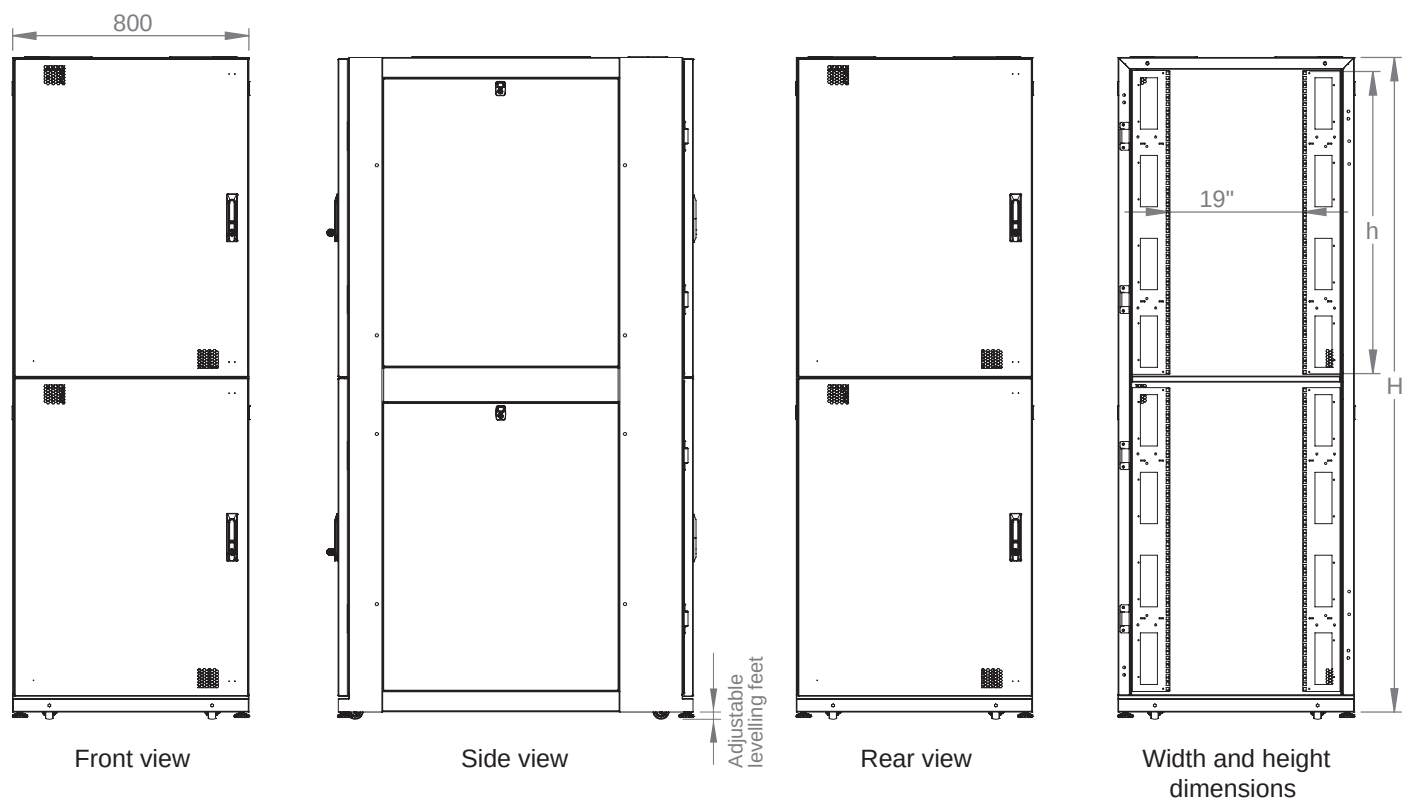
*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C4 refers to the cabinet with four compartments.

Data Center Cabinets

Two Compartment (Co-location) Cabinets

Width : 800 mm

Depth: 1000/1100/1200 mm

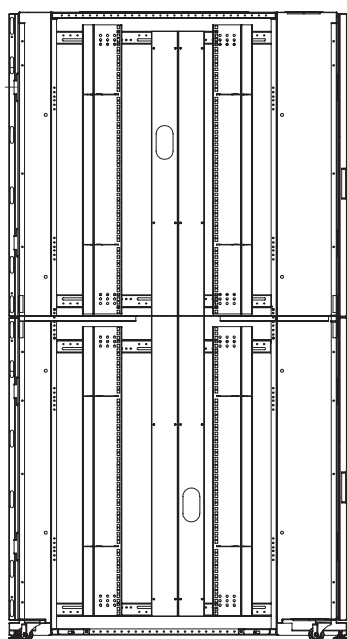


			A		C		B	
			Min	Max	Min	Max	Min	Max
	H	h						
42U	1990 mm	20U	75 mm	250 mm	75 mm	250 mm	~190 mm	~540 mm
45U	2123 mm	22U	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
47U	2212 mm	23U	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
			75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

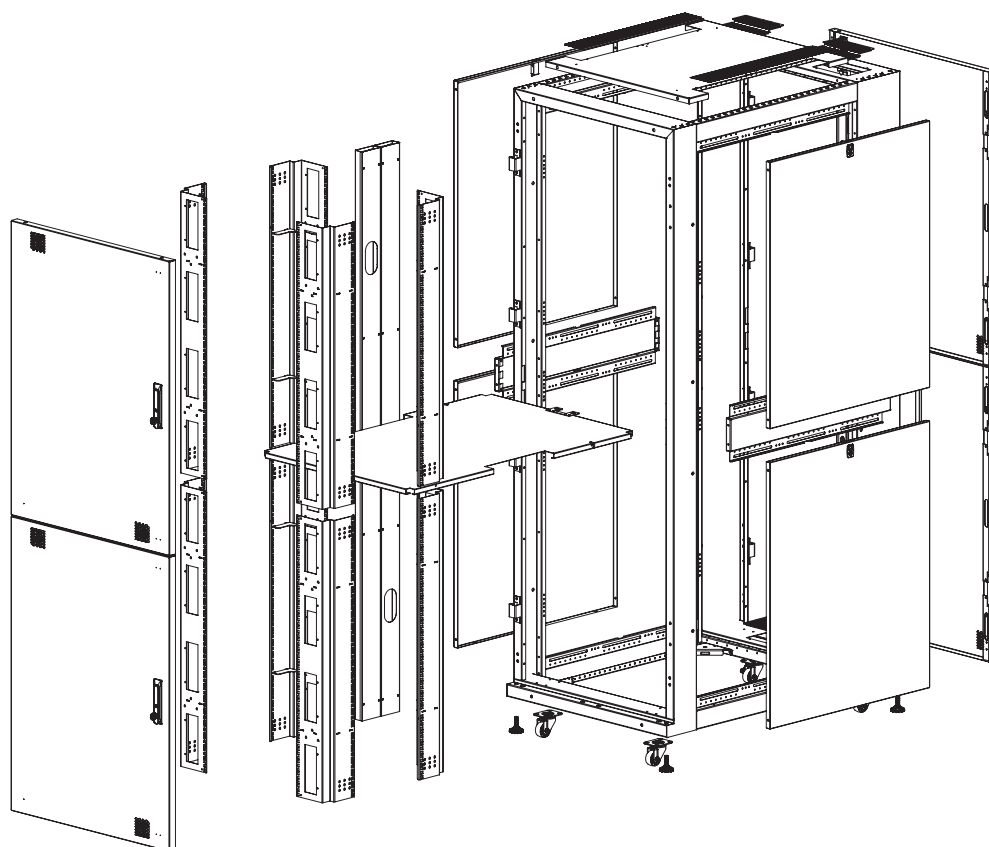
Data Center Cabinets

Width : 800 mm
Depth: 1000/1100/1200 mm

Two Compartment (Co-location) Cabinets



Side interior view



Exploded view

Data Center Two Compartment (Co-location) Cabinets W:800 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U8010-CC-C2	42U, 800x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 20U, lower section 20U suitable for use, cable tray (closed) for energy input included.	800x1000x1990
LN-SRDC-ND-45U8010-CC-C2	45U, 800x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, cable tray (closed) for energy input included.	800x1000x2123
LN-SRDC-ND-47U8010-CC-C2	47U, 800x1000, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 23U, lower section 23U suitable for use, cable tray (closed) for energy input included.	800x1000x2212
LN-SRDC-ND-42U8011-CC-C2	42U, 800x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 20U, lower section 20U suitable for use, cable tray (closed) for energy input included.	800x1100x1990
LN-SRDC-ND-45U8011-CC-C2	45U, 800x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, cable tray (closed) for energy input included.	800x1100x2123
LN-SRDC-ND-47U8011-CC-C2	47U, 800x1100, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 23U, lower section 23U suitable for use, cable tray (closed) for energy input included.	800x1100x2212
LN-SRDC-ND-42U8012-CC-C2	42U, 800x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 20U, lower section 20U suitable for use, cable tray (closed) for energy input included.	800x1200x1990
LN-SRDC-ND-45U8012-CC-C2	45U, 800x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper compartment 22U, lower compartment 22U suitable for use, cable tray (closed) for energy input included.	800x1200x2123
LN-SRDC-ND-47U8012-CC-C2	47U, 800x1200, 1/2 (Co-location) front flat single opening-rear flat single opening door, upper section 23U, lower section 23U suitable for use, cable tray (closed) for energy input included.	800x1200x2212

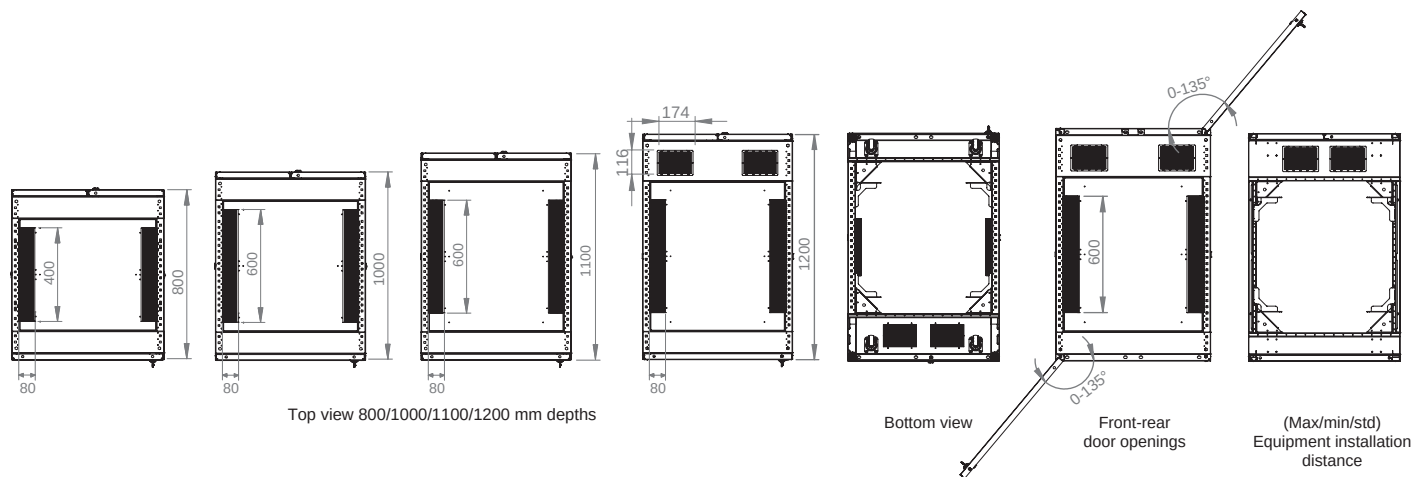
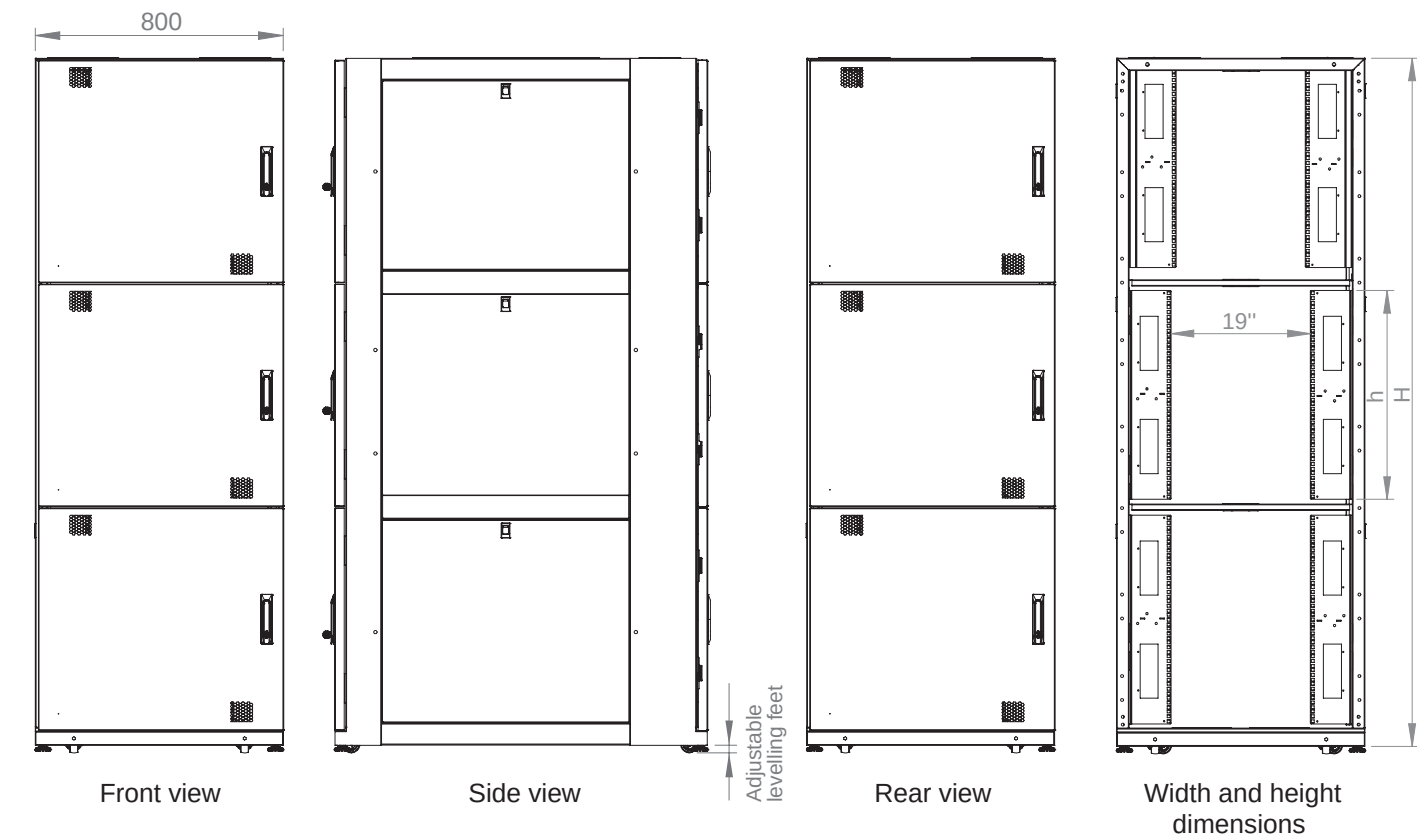
*CC= Color code, LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C2 refers to the cabinet with two compartments.

Data Center Cabinets

Three Compartment (Co-location) Cabinets

Width : 800 mm

Depth: 1000/1100/1200 mm



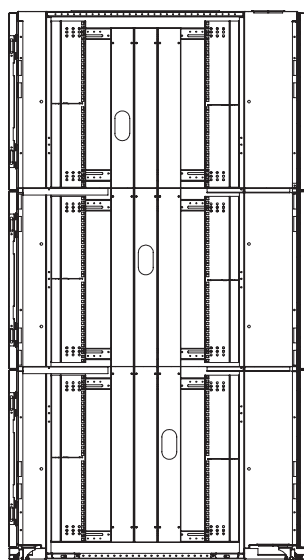
D	A		C		B	
	Min	Max	Min	Max	Min	Max
800	75 mm	250 mm	75 mm	250 mm	~190 mm	~540 mm
1000	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
1100	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
1200	75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

	H	h
42U	1990 mm	13U
45U	2123 mm	14U
47U	2212 mm	15U

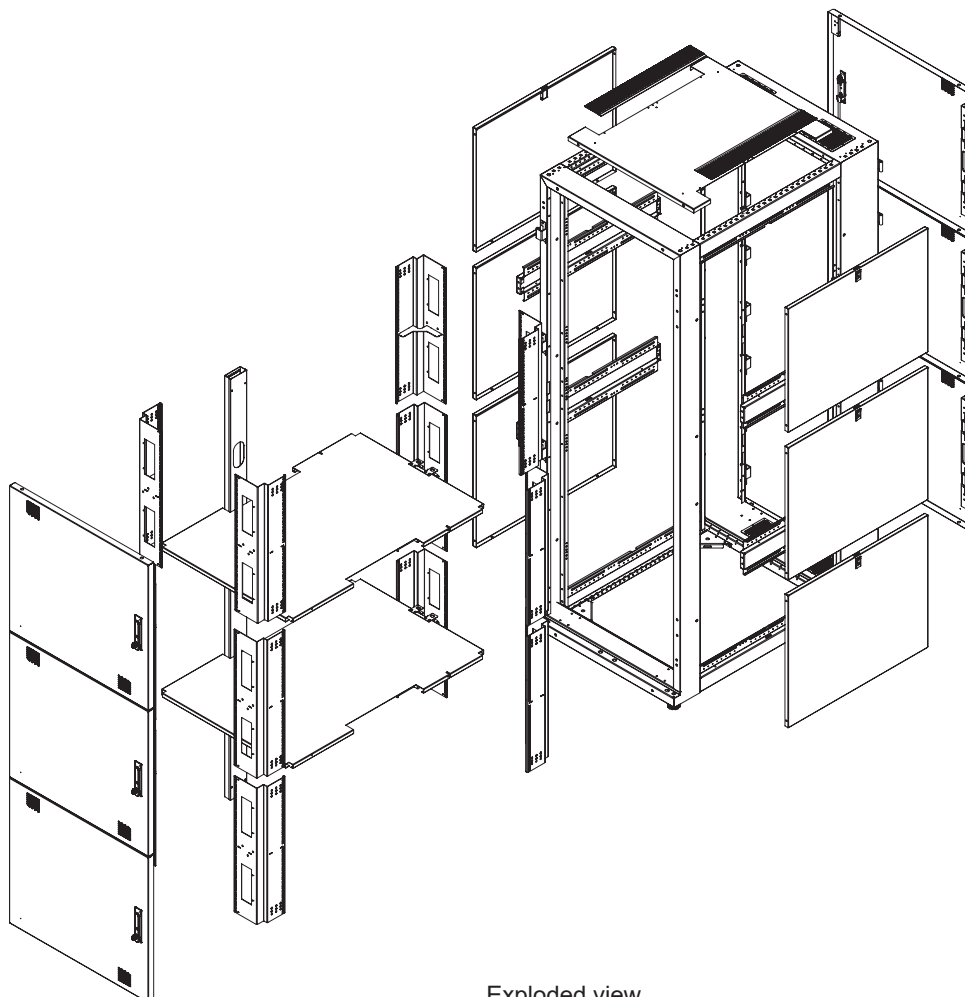
Data Center Cabinets

Width : 800 mm
Depth: 1000/1100/1200 mm

Three Compartment (Co-location) Cabinets



Side interior view



Exploded view

Data Center Three Compartment (Co-location) Cabinets W:800 mm Depth: 1000/1100/1200 mm

*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U8010-CC-C3	42U, 800x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	800x1000x1990
LN-SRDC-ND-45U8010-CC-C3	45U, 800x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	800x1000x2123
LN-SRDC-ND-47U8010-CC-C3	47U, 800x1000, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	800x1000x2212
LN-SRDC-ND-42U8011-CC-C3	42U, 800x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	800x1100x1990
LN-SRDC-ND-45U8011-CC-C3	45U, 800x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	800x1100x2123
LN-SRDC-ND-47U8011-CC-C3	47U, 800x1100, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	800x1100x2212
LN-SRDC-ND-42U8012-CC-C3	42U, 800x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 13U use, cable duct (closed) for energy input included.	800x1200x1990
LN-SRDC-ND-45U8012-CC-C3	45U, 800x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 14U use, cable duct (closed) for energy input included.	800x1200x2123
LN-SRDC-ND-47U8012-CC-C3	47U, 800x1200, 1/3 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 15U use, cable duct (closed) for energy input included.	800x1200x2212

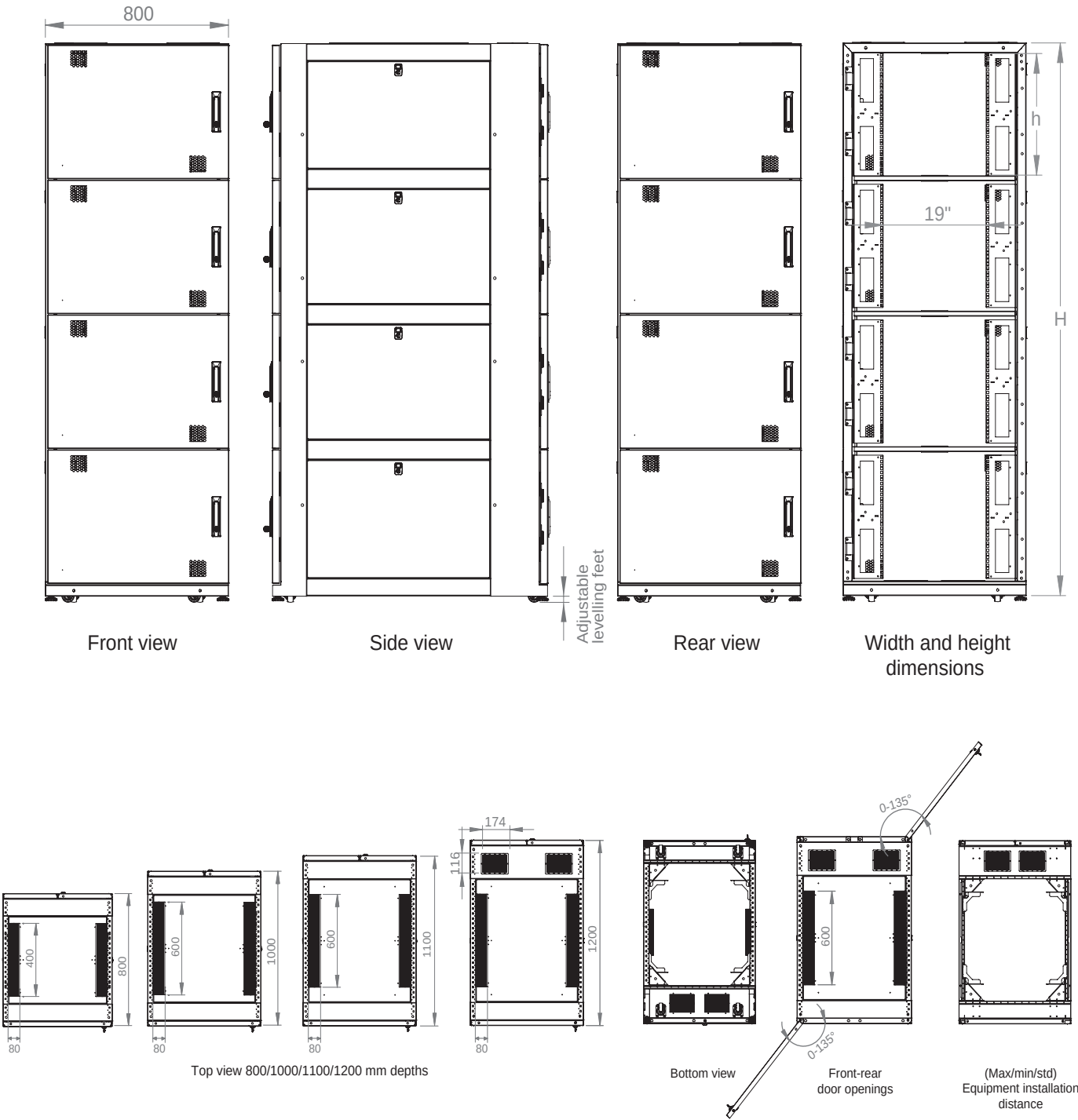
* CC= Color code, LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C3 refers to the three compartment cabinet.

Data Center Cabinets

Four Compartment (Co-location) Cabinets

Width : 800 mm

Depth: 1000/1100/1200 mm

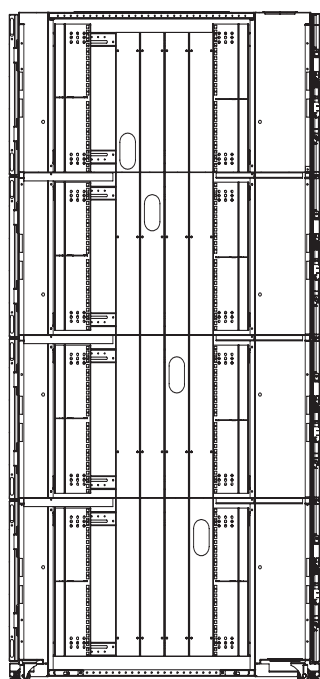


			A		C		B	
			Min	Max	Min	Max	Min	Max
	H	h						
42U	1990 mm	9U	75 mm	250 mm	75 mm	250 mm	~190 mm	~540 mm
45U	2123 mm	10U	75 mm	250 mm	75 mm	250 mm	~390 mm	~740 mm
47U	2212 mm	11U	75 mm	250 mm	75 mm	250 mm	~490 mm	~840 mm
			75 mm	250 mm	175 mm	350 mm	~490 mm	~840 mm

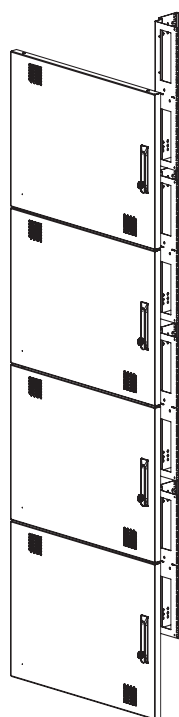
Data Center Cabinets

Width : 800 mm
Depth: 1000/1100/1200 mm

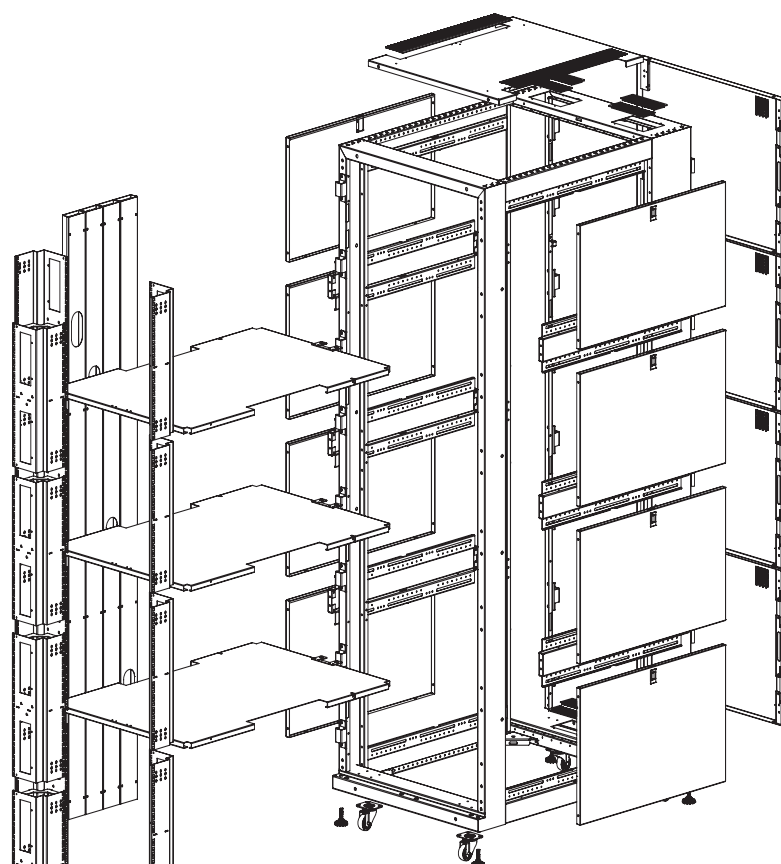
Four Compartment (Co-location) Cabinets



Side interior view



Exploded view



Data Center Four Compartment (Co-location) Cabinets W:800 mm Depth: 1000/1100/1200 mm		
*Product Code	Product Description	Dimension WxDxH mm.
LN-SRDC-ND-42U8010-CC-C4	42U, 800x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	800x1000x1990
LN-SRDC-ND-45U8010-CC-C4	45U, 800x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input included.	800x1000x2123
LN-SRDC-ND-47U8010-CC-C4	47U, 800x1000, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	800x1000x2212
LN-SRDC-ND-42U8011-CC-C4	42U, 800x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	800x1100x1990
LN-SRDC-ND-45U8011-CC-C4	45U, 800x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input included.	800x1100x2123
LN-SRDC-ND-47U8011-CC-C4	47U, 800x1100, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	800x1100x2212
LN-SRDC-ND-42U8012-CC-C4	42U, 800x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 9U use, cable duct (closed) for energy input included.	800x1200x1990
LN-SRDC-ND-45U8012-CC-C4	45U, 800x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 10U use, cable duct (closed) for energy input included.	800x1200x2123
LN-SRDC-ND-47U8012-CC-C4	47U, 800x1200, 1/4 (Co-location) front flat single opening-rear flat single opening door, all compartments suitable for 11U use, cable duct (closed) for energy input included.	800x1200x2212

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order. C4 refers to the four compartment cabinet.

Data Center Cabinets

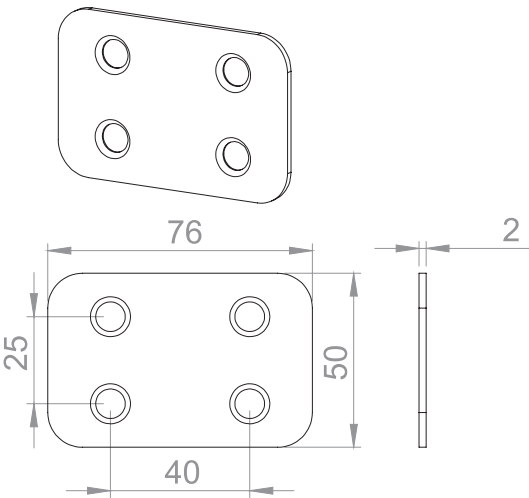
Cabinet Coupling Kits

These parts, which can be used in all cabinets, are applied to the upper, front and rear parts of the main body.

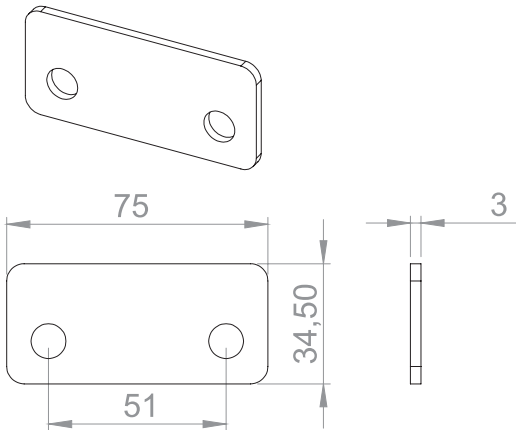
It is screwed on the main profiles of the cabinet from the front, the top and outside. It allows fixed side-by-side mounting. In this way, the grounding continuity between the main lattice structures is also ensured.



Front coupling kit



Upper coupling kit



Data Center Cabinets Coupling Kits		
* Product Code	Product Description	Size WxDxH mm
LN-BGL-ND-01-CC	Cabinet side-by-side coupling kit from front-rear main frame	76x50
LN-BGL-DC-02-CC	Cabinet side-by-side coupling kit from upper frame	76x35

*CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer during the order.

Data Center Cabinets

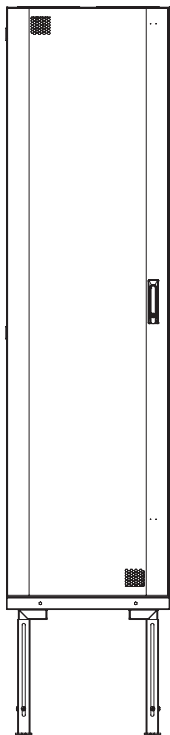
Seismic Support Kits

Telescopic connection kit: It is used between hosting, server and network cabinets and the floor. It has a structure independent of the raised floor carrier consoles and is manufactured from electro galvanized sheet with a minimum thickness of 3 mm in a solid steel construction structure. Thanks to this kit, cabinets can be mounted on the floor against the need for security or earthquake risk.

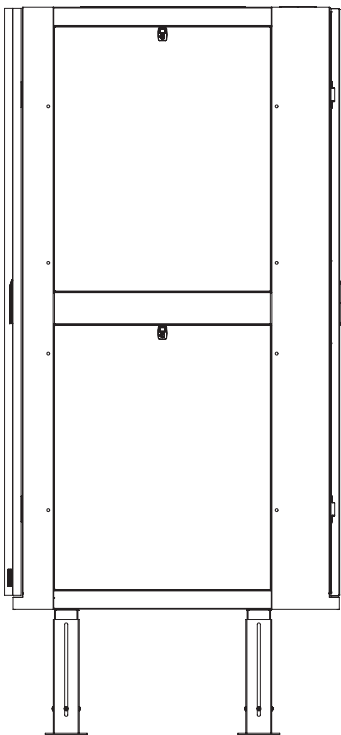
It can be adjusted between 450-750 mm with the help of its telescopic structure, depending on the size of the raised floor space. The lower construction is mounted on the floor, and the upper console parts are mounted on the raised floor under the cabinet with steel dowels.

Telescopic Connection Kit	
* Product Description	Product Description
LN-SPP-ND-45-ZN	Telescopic seismic support kit - H: 25-45 cm, one set 4 pieces
LN-SPP-ND-75-ZN	Telescopic seismic support kit - H: 45-75 cm, one set 4 pieces

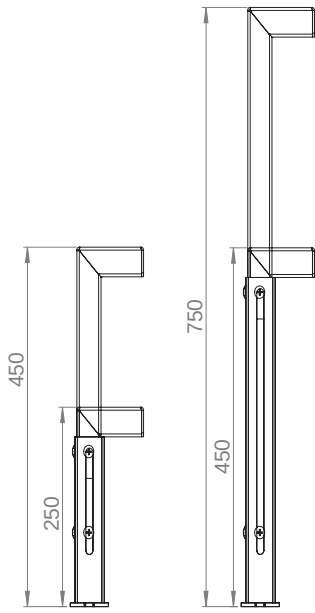
* Select only on the basis of height adjustment. The same product is used in cabinets of all sizes. There is no color option. It is 8-12 micron electrogalvanized (zinc) coated.



Front view



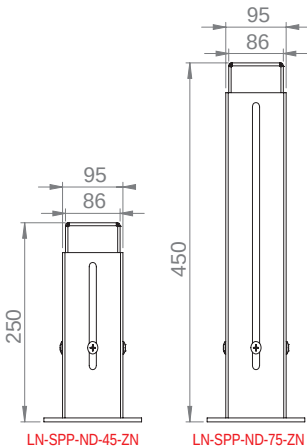
Side view



Max-min dimensions

LN-SPP-ND-45-ZN
H: Between 25-45 cm

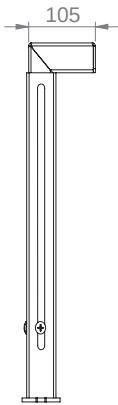
LN-SPP-ND-75-ZN
H: Between 45-75 cm



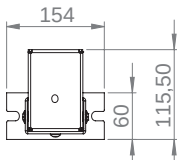
LN-SPP-ND-45-ZN

LN-SPP-ND-75-ZN

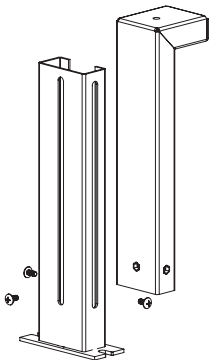
Front view



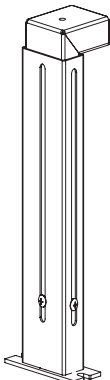
Side view



Top view



Exploded view



Isometric view

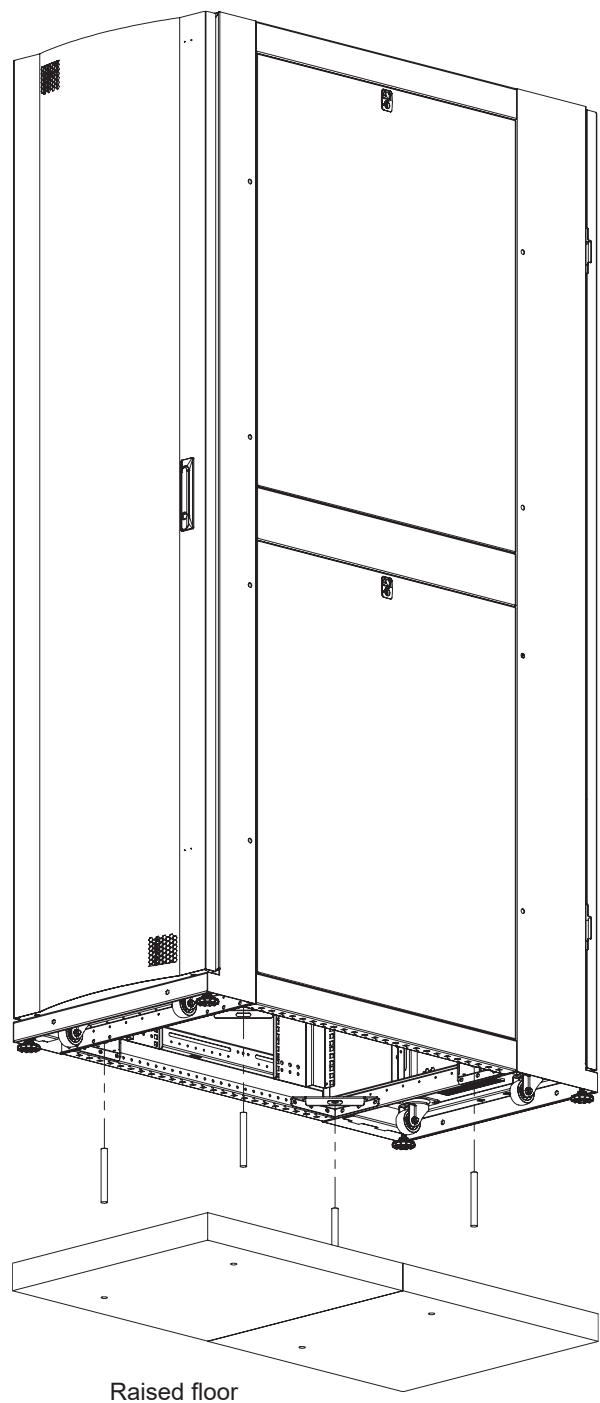
Data Center Cabinets

Seismic Support Kits

Screwed floor connection kit: It is used between the cabinets and the concrete floor. It is sent as a 1 meter long M12 threaded rod and 4 washers-nuts for each cabinet as standard. Dowels and fasteners to be mounted on concrete are excluded.

Screwed Floor Connection Kit	
* Product Code	Product Description
LN-TIJ-001	One product is used for cabinets of all sizes and colors.

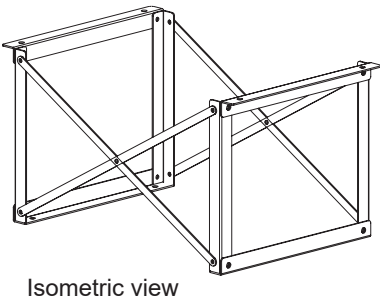
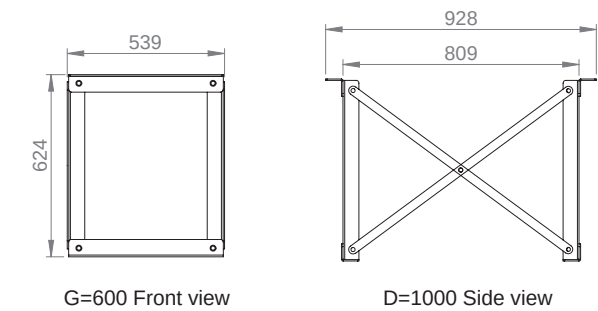
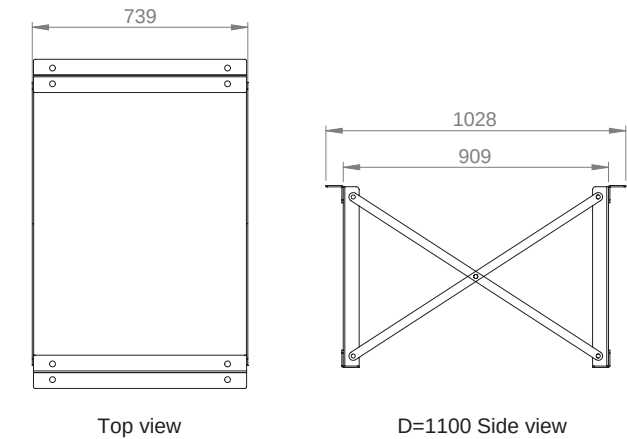
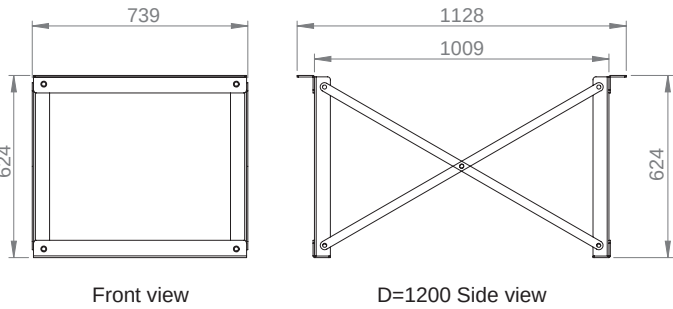
* One product is used for cabinets of all sizes and colors.



Data Center Cabinets

Seismic Support Kits

Stand type connection kit: Seismic stands with high physical strength enable the cabinets to be safely mounted on the floor for security needs or to protect them against high earthquake risk.



Plinths		
* Product Code	Product Description	Size WxDxH mm
LN-ZMN-BDC-6010-CC	Plinth H=100mm W=600mm D=1000mm	600x1000x100
LN-ZMN-BDC-6011-CC	Plinth H=100mm W=600mm D=1100mm	600x1100x100
LN-ZMN-BDC-6012-CC	Plinth H=100mm W=600mm D=1200mm	600x1200x100
LN-ZMN-BDC-8010-CC	Plinth H=100mm W=800mm D=1000mm	800x1000x100
LN-ZMN-BDC-8011-CC	Plinth H=100mm W=800mm D=1100mm	800x1100x100
LN-ZMN-BDC-8012-CC	Plinth H=100mm W=800mm D=1200mm	800x1200x100

* CC= Color code, LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer during the order.

Stand Type Connection Kit	
* Product Code	Product Description
LN-ZMN-TBL-6010-CC-HXX	Stand type connection kit for 600x1000 mm cabinets
LN-ZMN-TBL-6011-CC-HXX	Stand type connection kit for 600x1100 mm cabinets
LN-ZMN-TBL-6012-CC-HXX	Stand type connection kit for 600x1200 mm cabinets
LN-ZMN-TBL-8010-CC-HXX	Stand type connection kit for 800x1000 mm cabinets
LN-ZMN-TBL-8011-CC-HXX	Stand type connection kit for 800x1100 mm cabinets
LN-ZMN-TBL-8012-CC-HXX	Stand type connection kit for 800x1200 mm cabinets

* HXX is the height expression. The total distance from the floor to the top of the raised floor should be determined by the customer, taking into account the thickness of the raised floor in each project.

* CC= Color code, LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer during the order.

Test Reports and Certifications

LN-ZMN-TBL-6010-LG

EN IEC 60068-3-3





Data Center Cabinets

Grounding Kits

All metal components in the cabinet are electrically interconnected. In accordance with IEC 61010-1/ 6.5.1.3 standard, grounding continuity of all components is provided to each other. The cabinet can be mounted to the central grounding system from a single point. Grounding equipment is shipped unassembled.

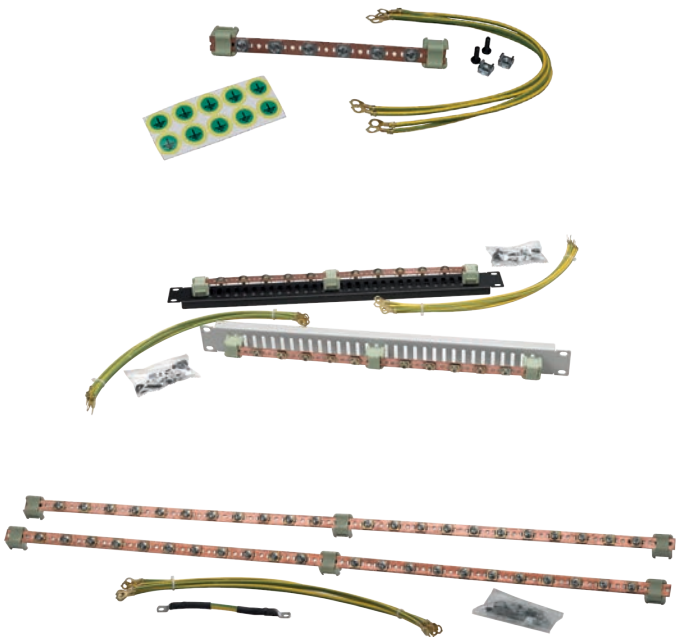
All metal components in the cabinet are in electrical contact with each other. Moving parts are connected to the main structure with 1x6mm² grounding cables. Grounding cable connections on doors and panels are made with detachable sockets.

ESD Connection ports can be installed in the appropriate areas within the working area on the front and rear door sides of the cabinet. In this way, the ESD grounding system and the main cage system are electrically connected and extra security is provided. Thus, socket inputs suitable for ESD grounding wrist structures can be attached.



Grounding Kits		
* Product Code	Product Description	Dimension WxHxD mm.
LN-DGR-TPR-5L40-XX-NDC	Grounding kit with copper busbar, 6 grounding points, 4 pcs. x 4 mm diameter x 40 cm long yellow/green cable, for basic cabinet chassis and potential equalization of panels.	260x55x50
LN-DGR-TPR-1U10-CC	19" rack mount 1U grounding kit, 10 grounding points, 4 pcs. x 4 mm diameter x 40 cm long yellow/green cable, use in all cabinets at any U height, 4 in one set M6 mounting bracket.	482x35x44
LN-DGR-TPR-DM20-XX	Vertical mounting grounding set - 780 mm long, 2 pcs. 22x2=44 grounding points, 4 pcs. x 4 mm diameter x 40 cm yellow/green cable.	25x25x780

CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer during the order.



Data Center Cabinets

ESD Port

ESD wristband is an antistatic equipment produced to prevent static electricity that may accumulate in the body from resulting in electrostatic discharge (ESD).

There is a high risk of insufficient grounding effect when maintaining equipment inside cabinets or performing conversion work on a cabinet. To protect sensitive electronic components, this standardized port (push button) provides potential equalization. It is provided by this port, which is a simple push button that acts as a grounding point.

The connection point has been added to the cabinet frame to provide conductivity. It provides equipotential bonding and helps protect sensitive electronic components. The product does not contain ESD wristband.



ESD Port	
* Product Code	Product Description
LN-ESD-PNT	ESD Port

It's just the ESD port. There are 2 pieces in total, one on the front right and one on the rear left corner profile. It allows the use of the ESD wristband on the cabinet. The product does not include ESD wristbands.



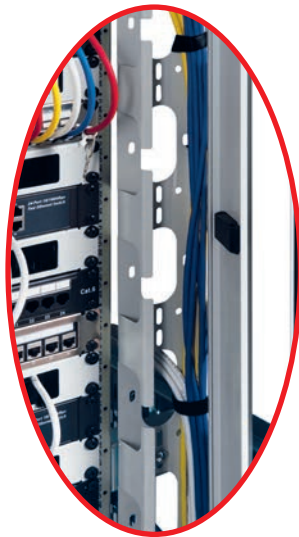
Data Center Cabinets

Vertical Cable Organizer Modules

Vertical Cable Organizer Modules are designed for organizing the cables, two on the right and left, on the front of data center cabinets (W:800 mm). Finger type modules have metal (aluminium) covers with 2 compartments (top/bottom) and hinged. Hinges that can be opened to both sides for ease of access and security. In this way, the entry points of the cables to the active/passive devices are organized as well as preventing the cables from falling. On the other hand, the metal modules have monolithic metal covers with plastic tab that undertake the same tasks.



The sections where the cables in the modules touch are produced with oval cuts so as not to damage the cables and operators. In case of using a finger type organizer, each pass slot is designed to pass 48 Cat6A cables without pinching. The modules are also suitable for use on the back of the cabinet. Both vertical type organizer modules are easy to install in cabinets and have a solid structure.



Finger Type Vertical Cable Organizer Modules		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-ORG-42HD-CC	42U aluminum cover, right/left, finger type	90x125x1870
LN-KDG-ORG-45HD-CC	45U aluminum cover, right/left, finger type	90x125x2003
LN-KDG-ORG-47HD-CC	47U aluminum cover, right/left, finger type	90x125x2092

CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer during the order.

Metal Covered Vertical Cable Organizer Modules		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-ORG-42EU-CC	42U metal cover, right/left	93x82x1865
LN-KDG-ORG-45EU-CC	45U metal cover, right/left	93x82x1998
LN-KDG-ORG-47EU-CC	47U metal cover, right/left	93x82x2087

CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer during the order.

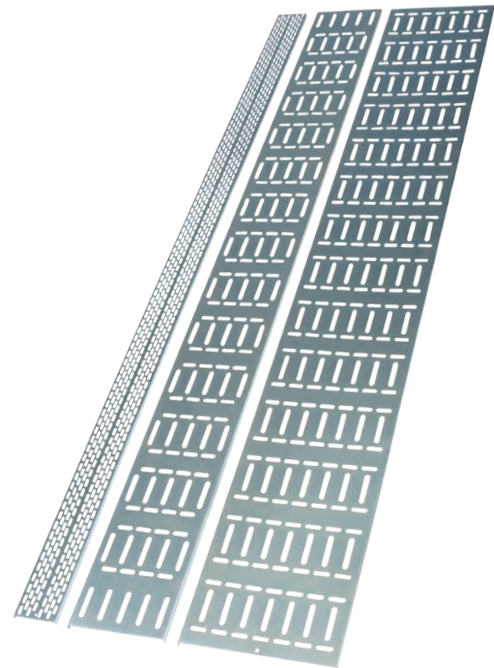
Data Center Cabinets

Vertical Cable Management Trays

Cable trays with metal body (zinc plated steel) have 3 models as G: 100 mm / 200 mm / 300 mm. Wide slots are available in 200 mm and 300 mm models. With 42U, 45U and 47U height options, it is placed at the back of the cabinet where the main cable passes without support. Thanks to different width alternatives, mounting of one, two or three main cables to the cabinet can be arranged.

Vertical Cable Management Trays		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-CMT-42UK-ZN	42U cable tray, zinc plated, W=100 mm	100x10x1885
LN-KDG-CMT-45UK-ZN	45U cable tray, zinc plated, W=100 mm	100x10x2020
LN-KDG-CMT-47UK-ZN	47U cable tray, zinc plated, W=100 mm	100x10x2109
LN-KDG-CMT-42UK-ZN-200	42U cable tray, zinc plated, wide slot, W=200 mm	200x10x1885
LN-KDG-CMT-45UK-ZN-200	45U cable tray, zinc plated, wide slot, W=200 mm	200x10x2020
LN-KDG-CMT-47UK-ZN-200	47U cable tray, zinc plated, wide slot, W=200 mm	200x10x2109
LN-KDG-CMT-42UK-ZN-300	42U cable tray, zinc plated, wide slot, W=300 mm	300x10x1885
LN-KDG-CMT-45UK-ZN-300	45U cable tray, zinc plated, wide slot, W=300 mm	300x10x2020
LN-KDG-CMT-47UK-ZN-300	47U cable tray, zinc plated, wide slot, W=300 mm	300x10x2109

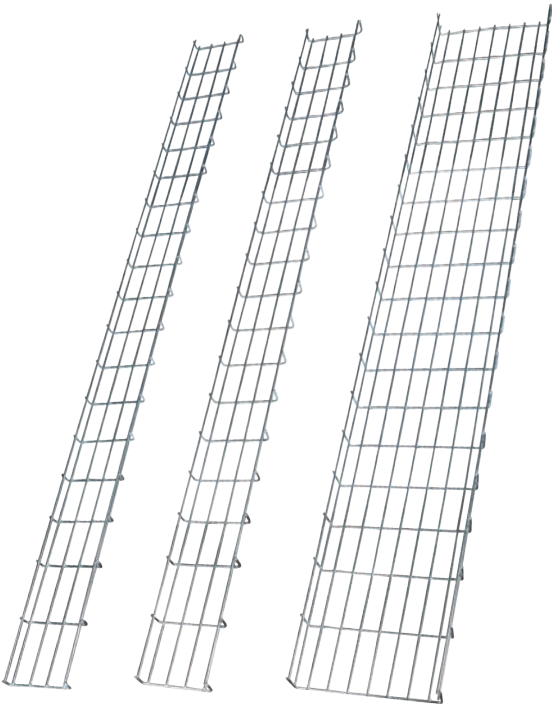
ZN stands for zinc plated. Since there is no paint application, there is no need for color selection.



Wire mesh body cable trays (zinc plated, welded steel wire) have 4 models as W: 150 mm / 200 mm / 300 mm / 400mm. W:150 mm products have two alternatives with 25 mm and 35 mm depth. It provides a lean cable management with 42U, 45U and 47U height options.

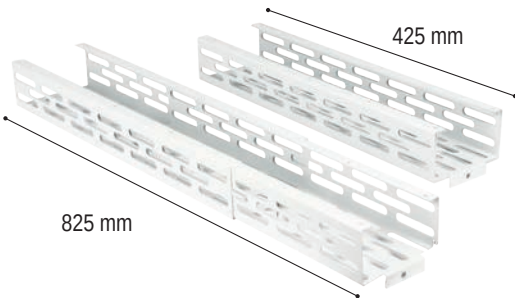
Wire Mesh Type Cable Trays		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-CMT-42UK-WM-1525	42U wire mesh cable tray, zinc plated, W:150 mm D:25 mm	150x25x1885
LN-KDG-CMT-45UK-WM-1525	45U wire mesh cable tray, zinc plated, W:150 mm D:25 mm	150x25x2020
LN-KDG-CMT-47UK-WM-1525	47U wire mesh cable tray, zinc plated, W:150 mm D:25 mm	150x25x2259
LN-KDG-CMT-42UK-WM-1535	42U wire mesh cable tray, zinc plated, W:150 mm D:35 mm	150x35x1885
LN-KDG-CMT-45UK-WM-1535	45U wire mesh cable tray, zinc plated, W:150 mm D:35 mm	150x35x2020
LN-KDG-CMT-47UK-WM-1535	47U wire mesh cable tray, zinc plated, W:150 mm D:35 mm	150x35x2259
LN-KDG-CMT-42UK-WM-2025	42U wire mesh cable tray, zinc plated, W:200 mm D:25 mm	200x25x1885
LN-KDG-CMT-45UK-WM-2025	45U wire mesh cable tray, zinc plated, W:200 mm D:25 mm	200x25x2020
LN-KDG-CMT-47UK-WM-2025	47U wire mesh cable tray, zinc plated, W:200 mm D:25 mm	200x25x2259
LN-KDG-CMT-42UK-WM-3050	42U wire mesh cable tray, zinc plated, W:300 mm D:50 mm	300x50x1885
LN-KDG-CMT-45UK-WM-3050	45U wire mesh cable tray, zinc plated, W:300 mm D:50 mm	300x50x2020
LN-KDG-CMT-47UK-WM-3050	47U wire mesh cable tray, zinc plated, W:300 mm D:50 mm	300x50x2259
LN-KDG-CMT-42UK-WM-4050	42U wire mesh cable tray, zinc plated, W: 400 mm D: 50 mm	400x50x1885
LN-KDG-CMT-45UK-WM-4050	45U wire mesh cable tray, zinc plated, W: 400 mm D: 50 mm	400x50x2020
LN-KDG-CMT-47UK-WM-4050	47U wire mesh cable tray, zinc plated, W: 400 mm D: 50 mm	400x50x2259

* WM stands for zinc plated wire mesh cable tray. Since there is no paint application, there is no need for color selection.



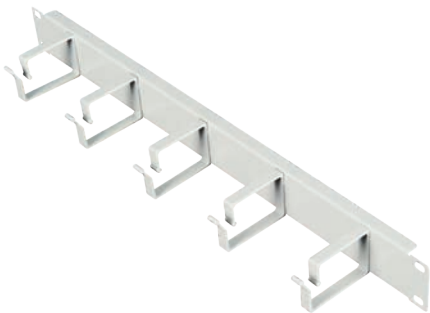
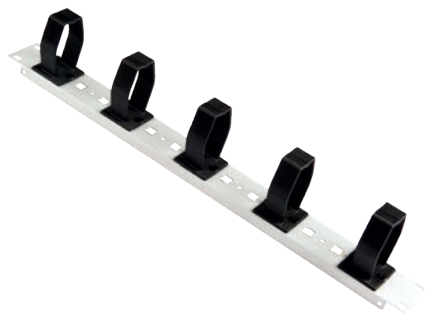
Cable Overlapping Tray with Depth Adjustment (Sliding)		
* Product Code	Product Description	Size WxLxH mm
LN-KDG-GCM-1055-CC	Cable overlapping tray, W:100 mm, H: 55 mm, L: 425~825 adjustable in between.	100x425x55

CC= Color code, LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer during the order.



Data Center Cabinets

Horizontal Cable Organizers



Horizontal Cable Organizers		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-CRC-4968-CC	1U - 19" crocodile cable organizer with eyelets, W: 49 mm x H: 68 mm, a pack contains 5 black plastics hooks.	482x44x44

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.



[See the current product catalog for other configurations.](#)

Horizontal Cable Organizers		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-YKD-1UKN-CC	1U 19" cable organizer with 5 short metal hooks	482x72x44

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Horizontal Cable Organizers		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-YKD-2UKN-CC	2U 19" cable organizer with 5 short metal hooks	482x72x88

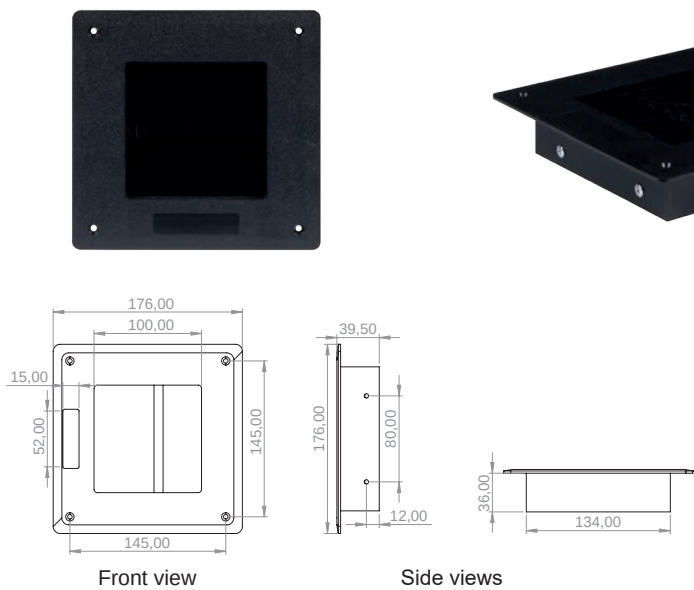
*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Horizontal Cable Organizers		
* Product Code	Product Description	Size WxDxH mm
LN-KDG-YKD-1UFT-CC	1U 19" cable organizer, duct type, finger type plastic organizer module integrated, up/down toolless opening, 1U front cover	482x165x44
LN-KDG-YKD-2UFT-CC	2U 19" cable organizer, duct type, finger type plastic organizer module integrated, up/down toolless opening, 2U front cover	482x165x88

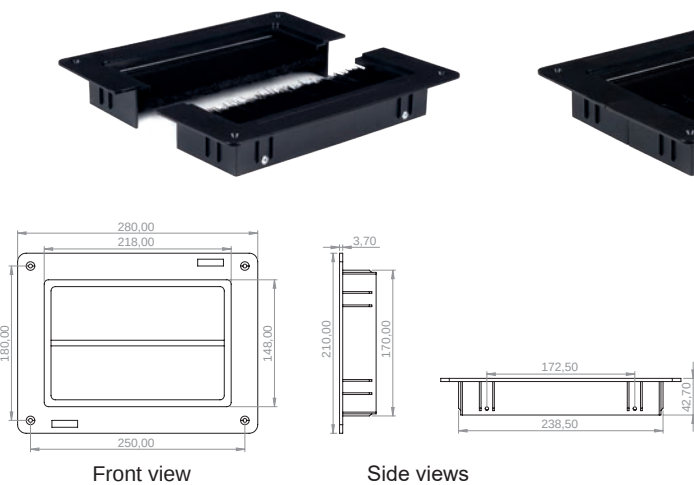
*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

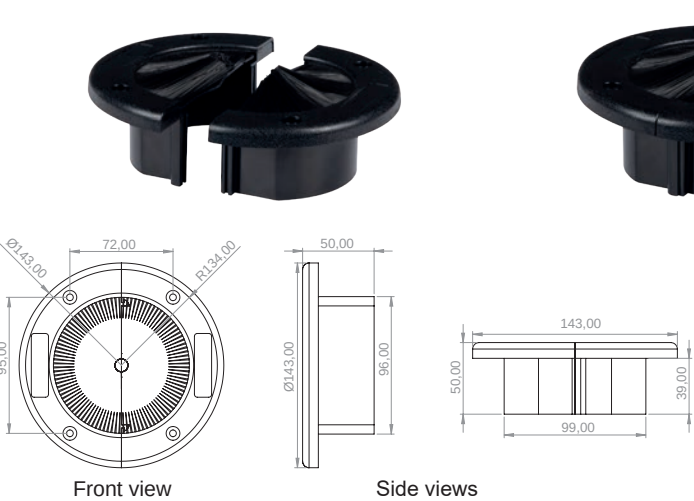
Raised Floor Brushes - Grommet



Raised Floor Brushes - Square		
Product Code	Product Description	Size WxDxH mm
LN-BRS-GRM-1717	Square, monoblock, ABS frame, raised floor brush, black	176x176x39



Raised Floor Brushes - Rectangle - Split		
Product Code	Product Description	Size WxDxH mm
LN-BRS-GRM-2128	Rectangular, split, ABS frame, raised floor brush, black	282x212x43



Raised Floor Brushes - Round - Split		
Product Code	Product Description	Size WxDxH mm
LN-BRS-GRM-1410	Round, 140 mm top diameter, 100 mm bottom diameter, ABS frame, raised floor brush, black	Ø144x50

Data Center Cabinets

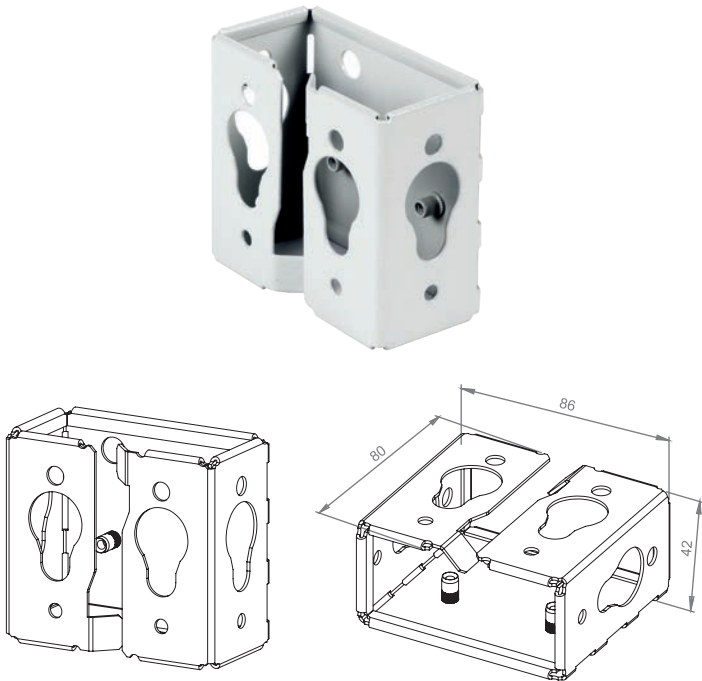
PDU Mounting Panel and PDU Cable Management Hook

PDU mounting panel: in W:600 mm / 800 mm cabinets; It is suitable for tool-free use as a built-in type for PDU (Power Distribution Unit) and vertical cable organizers suitable for use on the right and left sides in the back of the cabinet. The PDU can be installed side by side considering the safety clearance. Cable management hooks can also be used with these PDU units when requested.



PDU cable management hook: the cable organizer metal hook, suitable for dense cabling, has a lockable structure suitable for tool-free use at every point horizontally and vertically within the rear 200 mm section of the cabinet. It is suitable for any brand of PDU mounting. Can be mounted on top of each other. It also serves as a cable channel.

PDU Mounting Panel	
Product Code	Product Description
LN-PHLD-TRAY-ND-42U10-CC	42U W:100 mm vertical PDU mounting panel 1 set 2 pcs left/right
LN-PHLD-TRAY-ND-45U10-CC	45U W:100 mm vertical PDU mounting panel 1 set 2 pcs left/right
LN-PHLD-TRAY-ND-47U10-CC	47U W:100 mm vertical PDU mounting panel 1 set 2 pcs left/right
LN-PHLD-TRAY-ND-42U20-CC	42U W:200 mm vertical PDU mounting panel 1 set 2 pcs left/right
LN-PHLD-TRAY-ND-45U20-CC	45U W:200 mm vertical PDU mounting panel 1 set 2 pcs left/right
LN-PHLD-TRAY-ND-47U20-CC	47U W:200 mm vertical PDU mounting panel 1 set 2 pcs left/right



PDU Cable Management Hook	
Product Code	Product Description
LN-KDG-KKM10-ND-CC	42U, 45U, 47U PDU cable management and mounting hook 1 set of 10 pcs

Data Center Cabinets

Plastic Cover Panels

6U plastic breakable closure panels are frangible, they are used to direct hot or cold air inlets. Extends the life of your equipment, saves energy and reduces the data center's carbon footprint. In general, customers who buy the cabinets as complete or with 50% U capacity closed, break the plastic cover corresponding to the U height to which the device will be installed at the time of application, open it and make it ready for use.

6 pieces of 1U panels are monoblock. As 1U-1U can be broken, it can be used as 2U or 3U or 1 piece of 1U, 1 piece of 5U according to need. These uniquely adjustable panels can be attached to any size rack unit from one to six.



Screwless plastic closure panel with innovative "clip-on" panels allows installation or removal in seconds without the need for screws or tools. It is also used to direct hot or cold air inlets.



Plastic Cover Panels		
* Product Code	Product Description	Size WxDxH mm.
LN-PNL-KPP-6U19-CC	Screwless plastic cover panel, suitable for 1U, 2U, 3U, 4U, 5U, 6U heights.	482x12x264
LN-PNL-TBP-1U19-BL-PS	Screwless plastic cover panel, suitable for 1U use, black color.	482x12x44

* CC= Color Code refers to LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

Metal Cover Panels

Screw type metal closure panels are used to close the interior usage area of the cabinet and to prevent efficient air routing and sealing. Available in sizes from 1U to 6U. Requires tools during assembly.



Screw Type Metal Cover Panels		
* Product Code	Product Description	Size WxDxH mm.
LN-PNL-KPN-1U19-CC	1U 19" blank panel, screw type	482x15x44
LN-PNL-KPN-2U19-CC	2U 19" blank panel, screw type	482x15x88
LN-PNL-KPN-3U19-CC	3U 19" blank panel, screw type	482x15x132
LN-PNL-KPN-4U19-CC	4U 19" blank panel, screw type	482x15x176
LN-PNL-KPN-5U19-CC	5U 19" blank panel, screw type	482x15x220
LN-PNL-KPN-6U19-CC	6U 19" blank panel, screw type	482x15x264

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Latch type metal closing panels are also used to close the interior usage area of the cabinet and to prevent efficient air routing and leaks. Available in sizes from 1U to 6U. It does not require tools during assembly, it provides easy assembly thanks to its latches.



Latch Type Metal Cover Panels		
* Product Code	Product Description	Size WxDxH mm.
LN-PNL-LBP-1U19-CC	1U 19" blank panel toolless latched	482x15x44
LN-PNL-LBP-2U19-CC	2U 19" blank panel toolless latched	482x15x88
LN-PNL-LBP-3U19-CC	3U 19" blank panel toolless latched	482x15x132
LN-PNL-LBP-4U19-CC	4U 19" blank panel toolless latched	482x15x176
LN-PNL-LBP-5U19-CC	5U 19" blank panel toolless latched	482x15x220
LN-PNL-LBP-6U19-CC	6U 19" blank panel toolless latched	482x15x264

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

Lighting Modules



Lighting Modules		
* Product Code	Product Description	Size WxDxH mm.
LN-DGR-AYD-1UOT-XX	12 V magnetic LED lighting, with motion sensor, lights up when the door is opened	482x35x44
LN-KDG-60C-CC-AY	W:600 mm front header module, C-shaped, laser cut logo and Nationstart Led Lighting integration for 400 lux light intensity	600x125x65
LN-KDG-80C-CC-AY	W:800 mm front header module, C-shaped, laser cut logo and Nationstart Led Lighting integration for 400 lux light intensity	800x125x65

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

** The front header height creates an area of 100 mm between the cabinet and the top of the corridor. This area may not be sufficient when both lighting and customer corporate identity image or logo are applied. In such cases, instead of 100 mm, front header designs that create a height of 150 mm or 200 mm can be recommended.



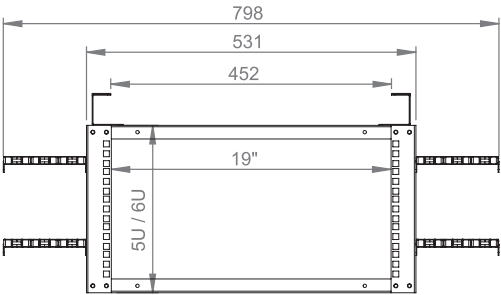
Data Center Cabinets

Zone Box

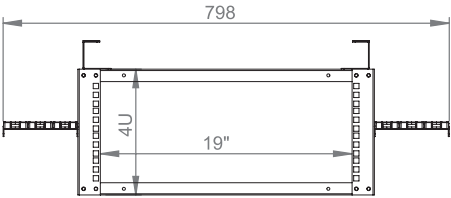
Suitable for wire and metal cable tray assembly and patch panel termination. There is a 19" usage area.

Zone Box		
* Product Code	Product Description	Size WxDxH mm.
LN-ZNB-4U-CC	4U, 19" Zone Box	798x234x275
LN-ZNB-5U-CC	5U, 19" Zone Box	798x234x320
LN-ZNB-6U-CC	6U, 19" Zone Box	798x234x364

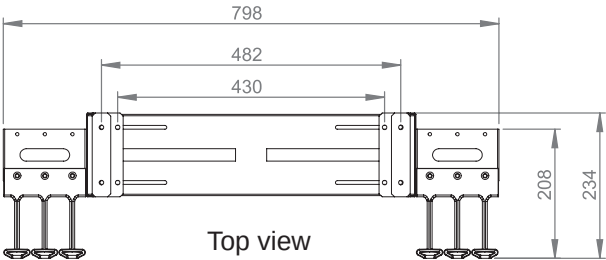
* CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.



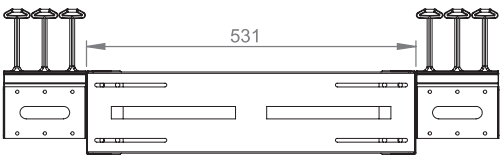
5U / 6U front view



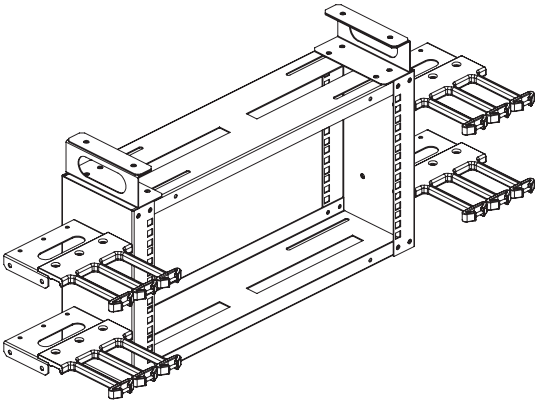
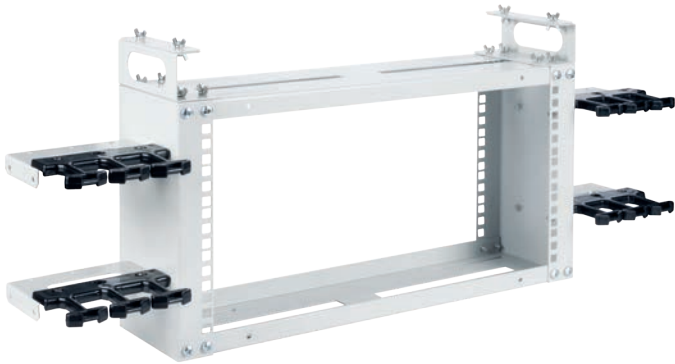
4U front view



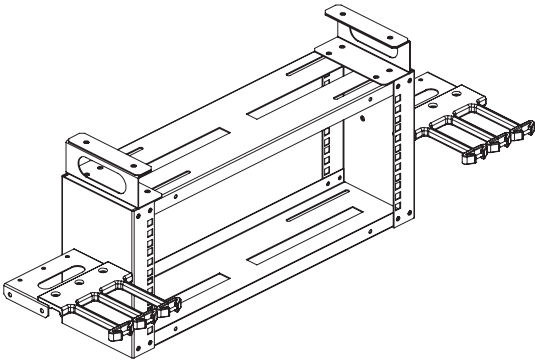
Top view



Bottom view



5U / 6U isometric view



4U isometric view

Data Center Cabinets

Cold Corridor Closure Types and Accessories

In order to effectively cool the active hardware in the cabinets in the data center, a cold corridor must be created between the cabinets. For this purpose, the cabinets are mounted side by side in two rows and the front doors that provide cold air intake to the cabinets face each other.

There are railed, double-sided doors at both entrances of the corridor. The corridor created by covering the top is isolated from the data center hall and cold air is given inside. The hot air formed in this system is given to the hall from the back of the cabinets and discharged with the central exhaust system.

The cold corridor system increases cooling efficiency and saves energy.

Corridor top covers are produced from transparent polycarbonate material with a length of 1200 mm and a width of 600-800 mm, with a metal frame and high quality painted, fireproofing. Corridor ceiling height is produced at least 100 mm higher than the cabinets.

Cold air corridor closure is modular, can be easily disassembled and reassembled, making it suitable for transportation. The transparent panels are easily removable and reattachable.

The internal width of the cold corridors is made as standard 1200 mm. Different dimensions to be requested are specially produced.

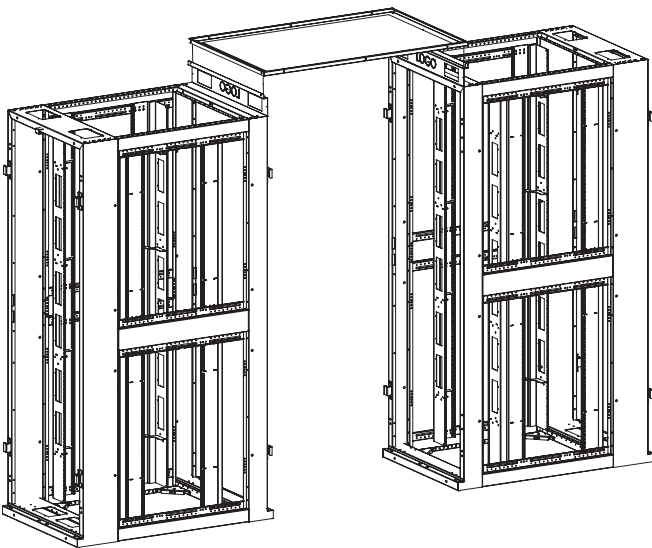
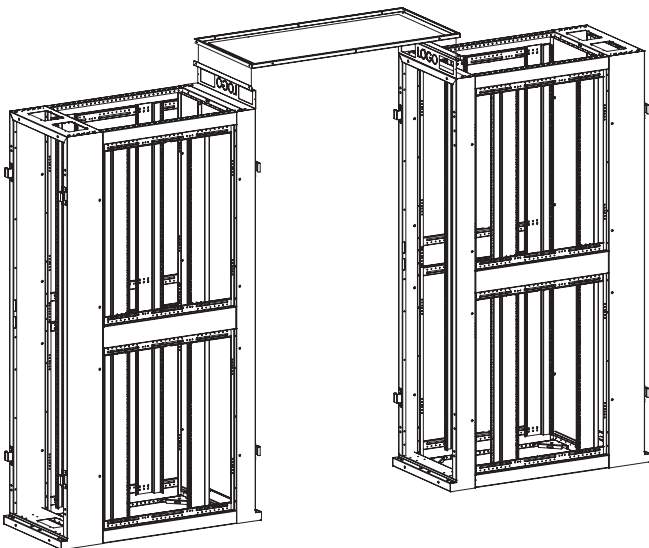
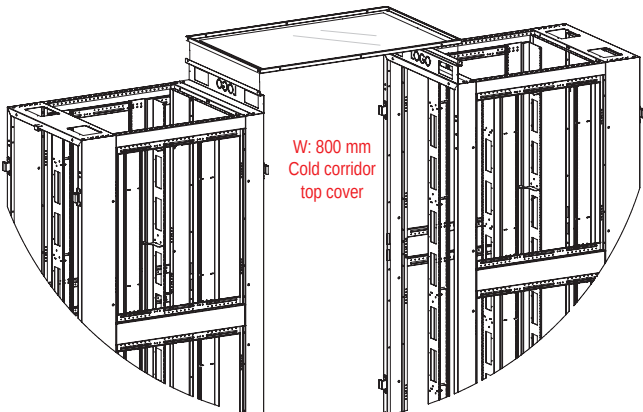
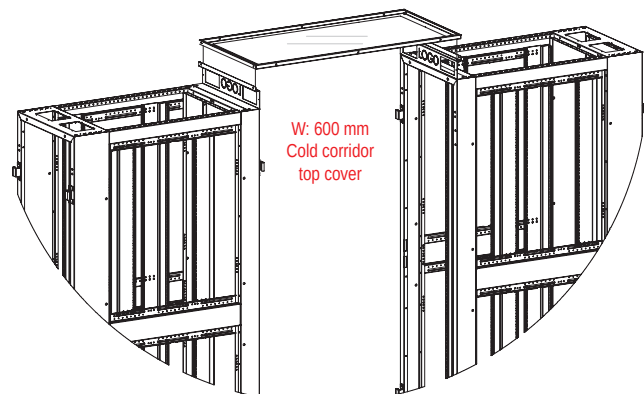


Data Center Cabinets

Fixed Cold Corridor Closure

The data center is made of 1200 mm long and 600 and 800 mm wide, metal framed and high quality painted polycarbonate or glass material, which is made with the aim of closing the relevant areas of the cold corridors.

It is used as fixed by screwing from the upper parts of the cabinets in the corridor system, according to customer demand. It can be disassembled when desired, providing ease of transport.



W: 600 mm Fixed Cold Corridor Top Closure	
*Product Code	Product Description
LN-RCP-6012P-CC	600x1200 mm metal framed, transparent polycarbonate top corridor closure
LN-RCP-6012G-CC	600x1200 mm metal framed, clear glass top corridor closure

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

W: 800 mm Fixed Cold Corridor Top Closure	
*Product Code	Product Description
LN-RCP-8012P-CC	800x1200 mm metal framed, transparent polycarbonate top corridor closure
LN-RCP-8012G-CC	800x1200 mm metal framed, clear glass top corridor closure

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Data Center Cabinets

Manual Opening Cold Corridor Closure

It is made of 1200 mm long and 600 and 800 mm wide, high quality painted metal framed, polycarbonate or glass material, which is made with the aim of closing the relevant areas of the data center cold corridors.

According to customer demand, it is used by mounting double-sided sliding locks from the upper parts of the cabinets in the corridor system. It can be disassembled when desired, providing ease of transport.

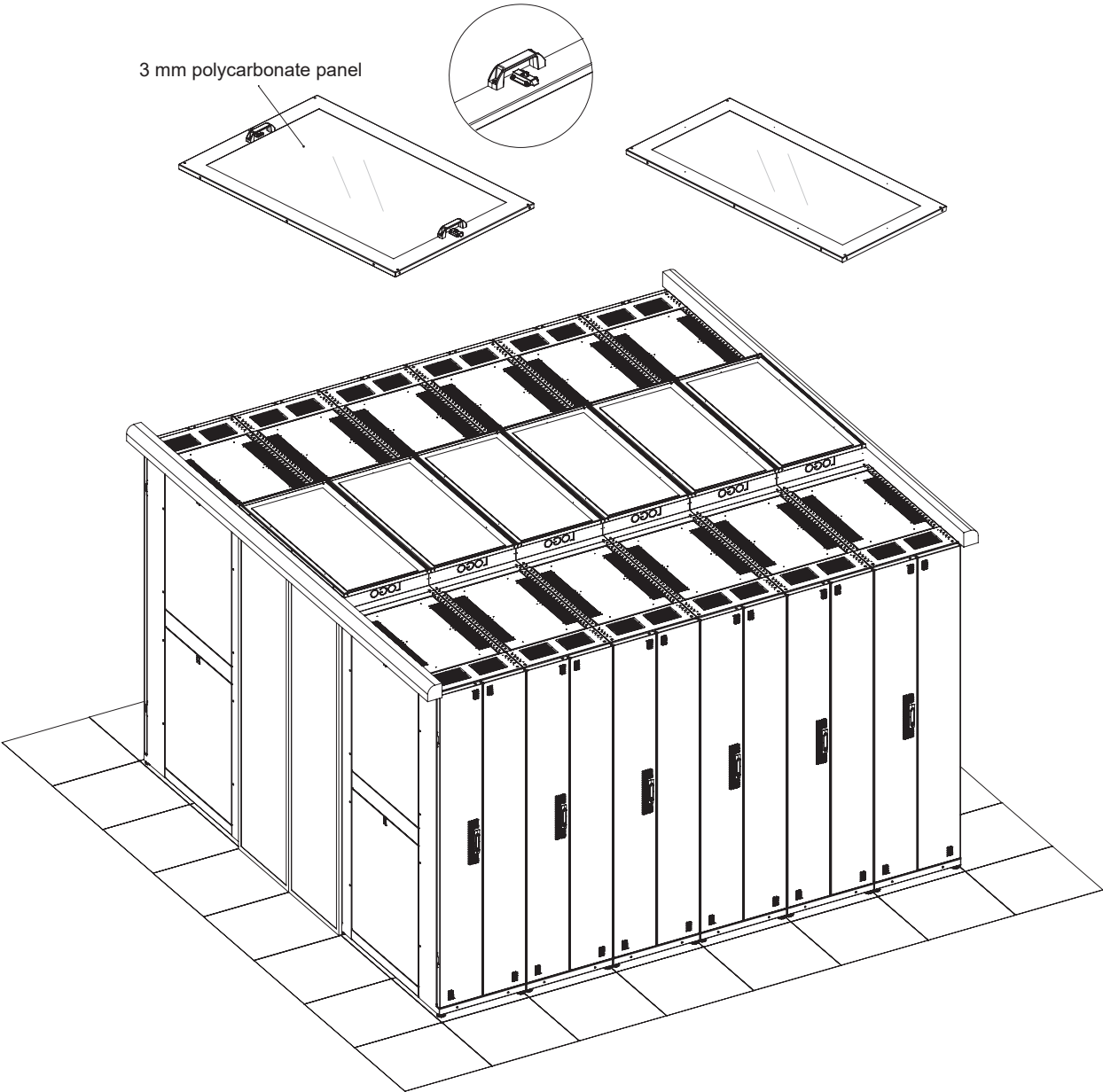
W: 600 mm Manual Opening Cold Corridor Top Closure

*Product Code	Product Description
LN-RCP-6012P-H-CC	600x1200 mm metal framed, transparent polycarbonate upper corridor manual opening and closing
LN-RCP-6012G-H-CC	600x1200 mm metal framed, clear glass upper aisle manual opening and closing

W: 800 mm Manual Opening Cold Corridor Top Closure

*Product Code	Product Description
LN-RCP-8012P-H-CC	800x1200 mm metal framed, transparent polycarbonate upper corridor manual opening and closing
LN-RCP-8012G-H-CC	800x1200 mm metal framed, clear glass upper corridor manual opening and closing

CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.



Data Center Cabinets

Led Illuminated Stretch Ceiling (Barissol) Type Cold Corridor Top Closure

The data center is produced in 1200 mm length and 600 and 800 mm widths for the purpose of closing the relevant areas of the cold corridors.

Barrisol (Stretched ceiling) application is made with an aluminum frame and high quality painted, which will not continue the fire.

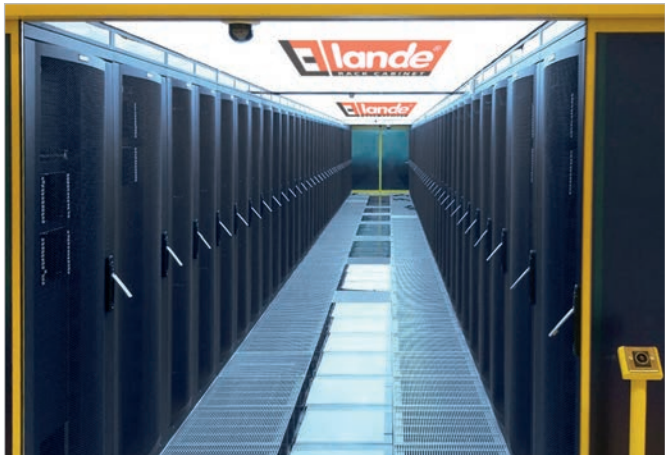
It is ideally illuminated between 400 lux and 1000 lux, and the corridor ceiling height is at least 150 mm higher than the cabinets.

The structure to be used in closing the cold corridor can be disassembled when desired and can be easily assembled.

A monolithic barrisol system can be installed in the interior of the ceiling along the corridor. However, in very long corridors, it can be produced in parts by taking the customer's opinion. It may be requested by the customer to install the top cover panels with fire opening feature in the corridors or to take the fire extinguisher nozzles into the corridor.

In these cases, a stretch ceiling system with led lighting can be installed after conventional corridor top closures are made at the beginning and end. Since the applications are very different, the standard product code cannot be given.

It is possible to make applications such as logo, colors, title-slogan or a mixture of these reflecting the corporate identity on Barissol cloth. Any design can be applied.



Stretch Ceiling (Barissol) Type Cold Corridor Top Closure	
Product Code	Product Description
LN-BRS-XXXX	Barissol application corridor top closure module to be dimensioned on a project basis.

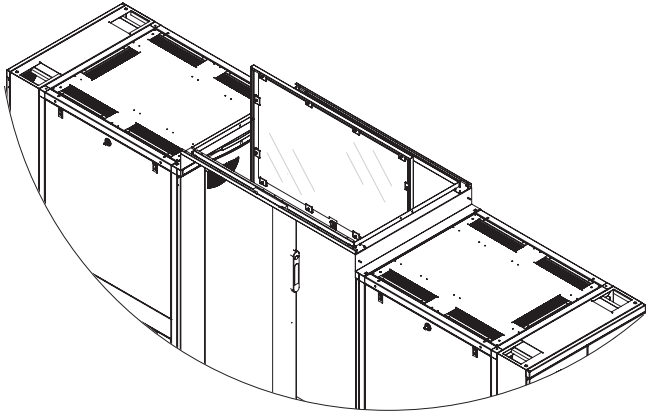
Data Center Cabinets

Cold Corridor Top Closure With Electronic Damper

The data center is produced in 1200 mm length and 600 and 800 mm widths for the purpose of closing the relevant areas of the cold corridors. It is made of polycarbonate material with a high quality painted metal frame and fire retardant.

The cold corridor system can be integrated into the building fire automation. During fire, upper corridor closures can be opened automatically with the help of magnetic locks. In this way, it is ensured that the smoke that may occur is easily removed from the corridor. It can be easily disassembled and transported when desired.

It is used with the Lande - EMS control module



Cold Corridor Top Closure with Electronic Damper	
*Product Code	Product Description
LN-RCP-6012P-M-CC	600x1200 mm transparent polycarbonate with metal frame, magnetic lock corridor top closure including H100 mm cabinet header
LN-RCP-8012P-M-CC	800x1200 mm transparent polycarbonate with metal frame, magnetic lock corridor top closure including H100 mm cabinet header

*CC= Color Code refers to LG Light Grey RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

**If required as seen at page 67, a lighting kit can be integrated on the header surface, please put at the end of part number AY notation to have lighting kit integrated model. However header unit is also allowing laser-cut corporate logo and due to available height on the header - the overall height of header may be increased to 150 mm or 200 mm while it is originally 100mm height. Correspondence with sales department or project department may be needed. Example Part Nr: LN-RCP-6012P-M-LG-AY



EMS Control Modules		
*Product Code	Product Description	Size WxDxH mm
LN-EMS-FOC	It is a device used for opening the roof closing panels in the event of fire. Integration is possible with Smoke Sensor, Temperature and Humidity Combo Sensor and 2 pcs dry contacts.	190x105x35 mm
LN-EMS-SS	Smoke Sensor	130x130x35 mm
LN-EMS-HHS	Temperature and Humidity Sensor	50x33x18
LN-EMS-SLN01	12 Volt solenoid module	-
LN-EMS-PS	12 Volt 10A power supply	-

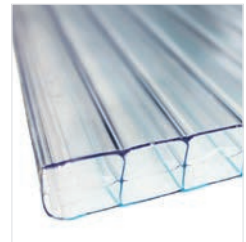
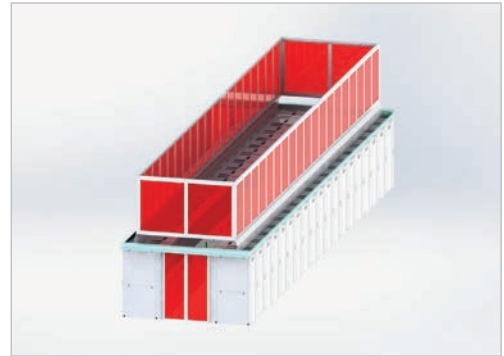
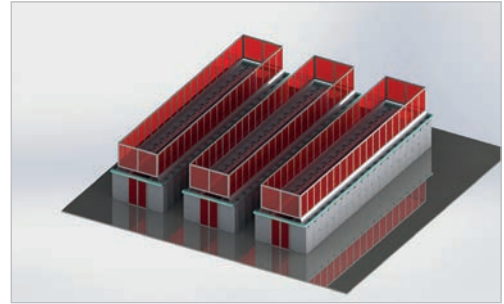
Data Center Cabinets

Sigma Profile Hot Corridor Closure

In order to effectively cool the active hardware in the cabinets in the data center, a hot corridor can be created between the cabinets. For this purpose, the cabinets are mounted side by side in two rows and the rear doors, which provide hot air from the cabinets, face each other. There are railed, double-sided doors at both entrances of the corridor. The corridor created by covering the top is isolated from the data center hall, preventing the hot air outlet from dispersing into the hall. The hot air formed in this system is collected in the upper part of the cabinets and discharged by the central exhaust system.

Hot corridors are made of 10 mm corrugated polycarbonate material with sigma profile support, made for the purpose of closing the relevant areas.

- ✓ It is applied as vertical and horizontal closing.
- ✓ It is applied as standard and non-standard.
- ✓ The price is given by working on a project basis.
- ✓ The structure to be used in closing the hot corridor can be disassembled and easily assembled.
- ✓ Easily implemented to improve the air conditioning status of all data centers.
- ✓ Increases the efficiency of the cooling unit and saves energy.



Data Center Cabinets

Automatic and Manual Sliding Doors



Sustainable Entry Systems

LN-SL100, a modular sliding door operator that we use in our automatic door systems, has the ability to distinguish between different climatic conditions thanks to its design.

With its additional tight seal feature, sustainable mode, smart opening interval activated according to the traffic density, air trap and timer settings of the inner and outer doors, you can be sure that your entrance will be organized in accordance with human traffic and at the same time meet your environmental footprint expectations.

Safety First

In order to ensure safe passage between the closed doors, the doors move in the opposite direction when an obstacle is detected. Then, it is continued to move at low speed to see if this object in between is still there. When an obstacle is detected between opening doors, surrounding walls or interior equipment, it stops immediately and closes after a short wait. The speed and force of the door can be adjusted to optimize the safety level. The use of an obstacle detection and monitoring system is recommended to ensure optimum safety and adaptability to human traffic at the entrance.

Accessories and Options

- ✓ All anodized options
- ✓ All RAL paint options
- ✓ Special stainless-like anodized
- ✓ Door adapters for doors of different brands up to 65 mm
- ✓ Traffic controlled opening width
- ✓ Synchronization of two operators
- ✓ Operating mode selectors
- ✓ Electronic emergency opening or closing unit
- ✓ Output unit
- ✓ Emergency button
- ✓ Motion and obstacle detection sensors
- ✓ Electric locking devices
- ✓ Lock feature between two operators (air trap)
- ✓ Ignition key
- ✓ Automatic door systems



Data Center Cabinets

Sliding Door Features



Safety and Monitoring

You can determine your security level by adding different features. Unwanted guests do not pose a problem for the LN-SL100 either during working hours or outside working hours, as the electromechanical lock and program selectors can be adjusted specifically to your security needs.

Prevent your product from breaking down through maintenance indicators and automatic fault detection. We can also take care of your maintenance with our door-specific proactive maintenance service options.

Attractive and Aesthetic

The LN-SL100 further enhances the aesthetics of your automatic entry system. The stylish design of the operator, state-of-the-art mode selectors, the minimum number of operating parts and at the same time smooth and quiet operation provide both comfort and attractiveness to pedestrians.

Flexibility Offered Thanks to Modularity

Your priorities change over time. The modular LN-SL100 operator also evolves according to your needs. When you want to take your business one step further, you can add to your product and also benefit from various updates.

This equipment should be installed, regularly inspected, maintained and serviced by trained and authorized personnel. Preventive maintenance programs are recommended to keep the equipment operating properly and safely. You can contact Lande Sales representative for more information about the service!

Technical Specifications

Power supply: 100V AC %10 ile 240V AC %+10; 50/60 Hz

Energy consumption: maximum 250 W

SL100-R/L: 120 kg

Two-way opening: 2 x 80 kg

Net clearance (COW):

SL100-2: 1100-2140 mm

SL100-R/L: 900-1500 mm

Net height clearance: 1900-2400 mm

Open time 0 – 60 s

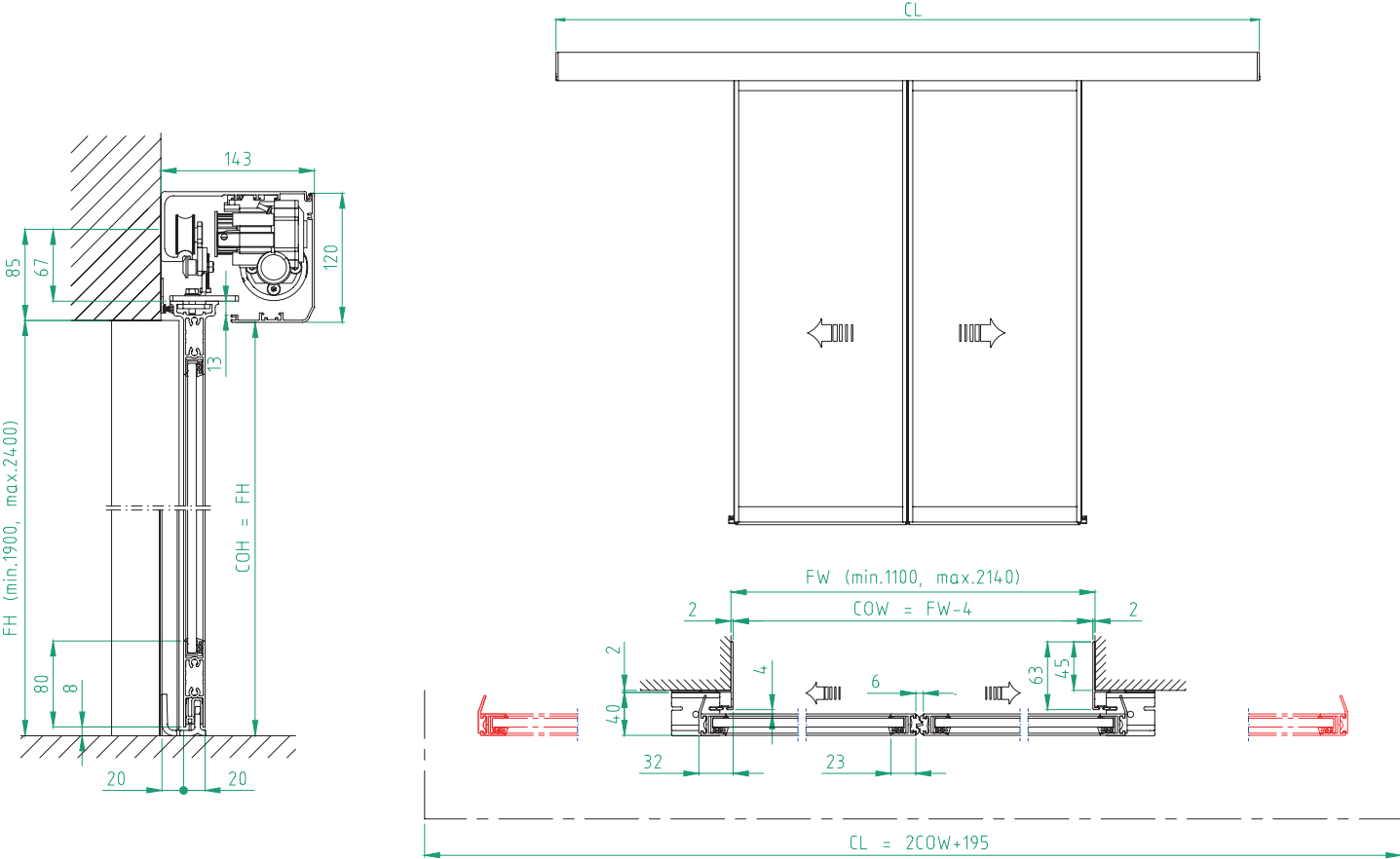
Ambient temperature: -20°C ile +50°C

Relative humidity (non-condensing): Maksimum %85

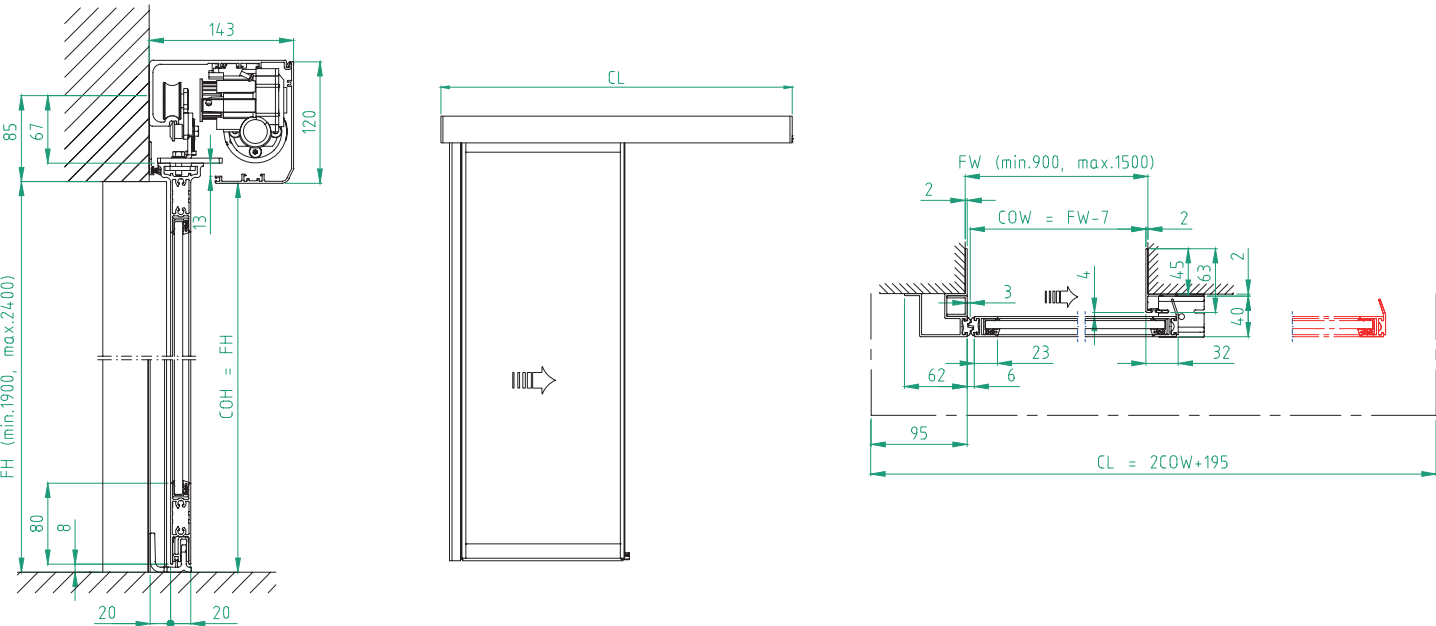
Data Center Cabinets

Sliding Door Options

LN-SL 100 Automatic Double Opening Sliding Door



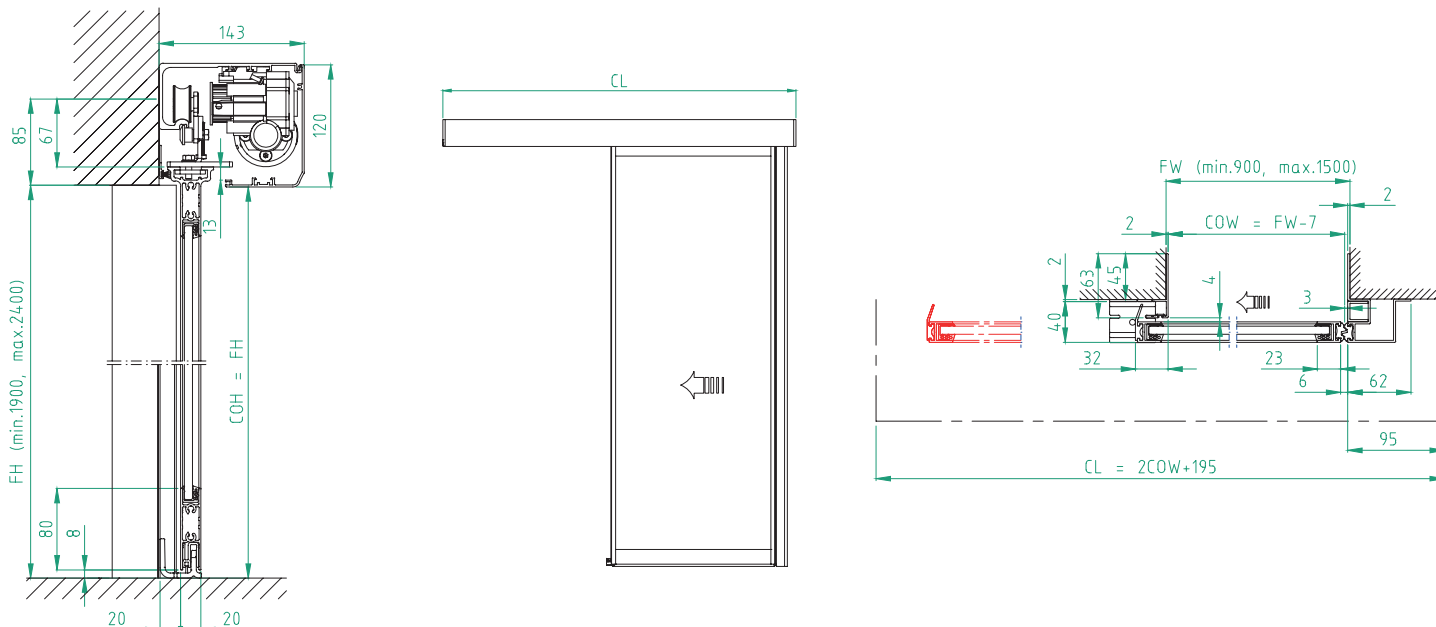
LN-SL 100 Automatic Right Single Sliding Door



Data Center Cabinets

Sliding Door Options

LN-SL 100 Automatic Left Single Sliding Door



Automatic Sliding Door Options

LN-SL 100 Automatic Double Opening Sliding Door	
*Product Code	Product Description
LN-CDD42U12-AT-CC	42U corridor sliding door system, double opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm
LN-CDD45U12-AT-CC	45U corridor sliding door system, double opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm
LN-CDD47U12-AT-CC	47U corridor sliding door system, double opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm

Manual Sliding Door Options

LN-SL 100 Manual Double Opening Sliding Door	
*Product Code	Product Description
LN-CDD42U12-CC	42U corridor sliding door system, double opening, manual, 4+4 mm laminated glass, W:1200 mm
LN-CDD45U12-CC	45U corridor sliding door system, double opening, manual, 4+4 mm laminated glass, W:1200 mm
LN-CDD47U12-CC	47U corridor sliding door system, double opening, manual, 4+4 mm laminated glass, W:1200 mm

LN-SL 100 Automatic Single Opening Sliding Door	
*Product Code	Product Description
LN-CDS42U12-AT-CC	42U corridor sliding door system, single opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm
LN-CDS45U12-AT-CC	45U corridor sliding door system, single opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm
LN-CDS47U12-AT-CC	47U corridor sliding door system, single opening, point photocell security, motorized automatic, 4+4 mm laminated glass, W:1200 mm

LN-SL 100 M Manual Single Opening Sliding Door	
*Product Code	Product Description
LN-CDS42U12-CC	42U corridor sliding door system, single opening, manual, 4+4 mm laminated glass, W:1200 mm
LN-CDS45U12-CC	45U corridor sliding door system, single opening, manual, 4+4 mm laminated glass, W:1200 mm
LN-CDS47U12-CC	47U corridor sliding door system, single opening, manual, 4+4 mm laminated glass, W:1200 mm

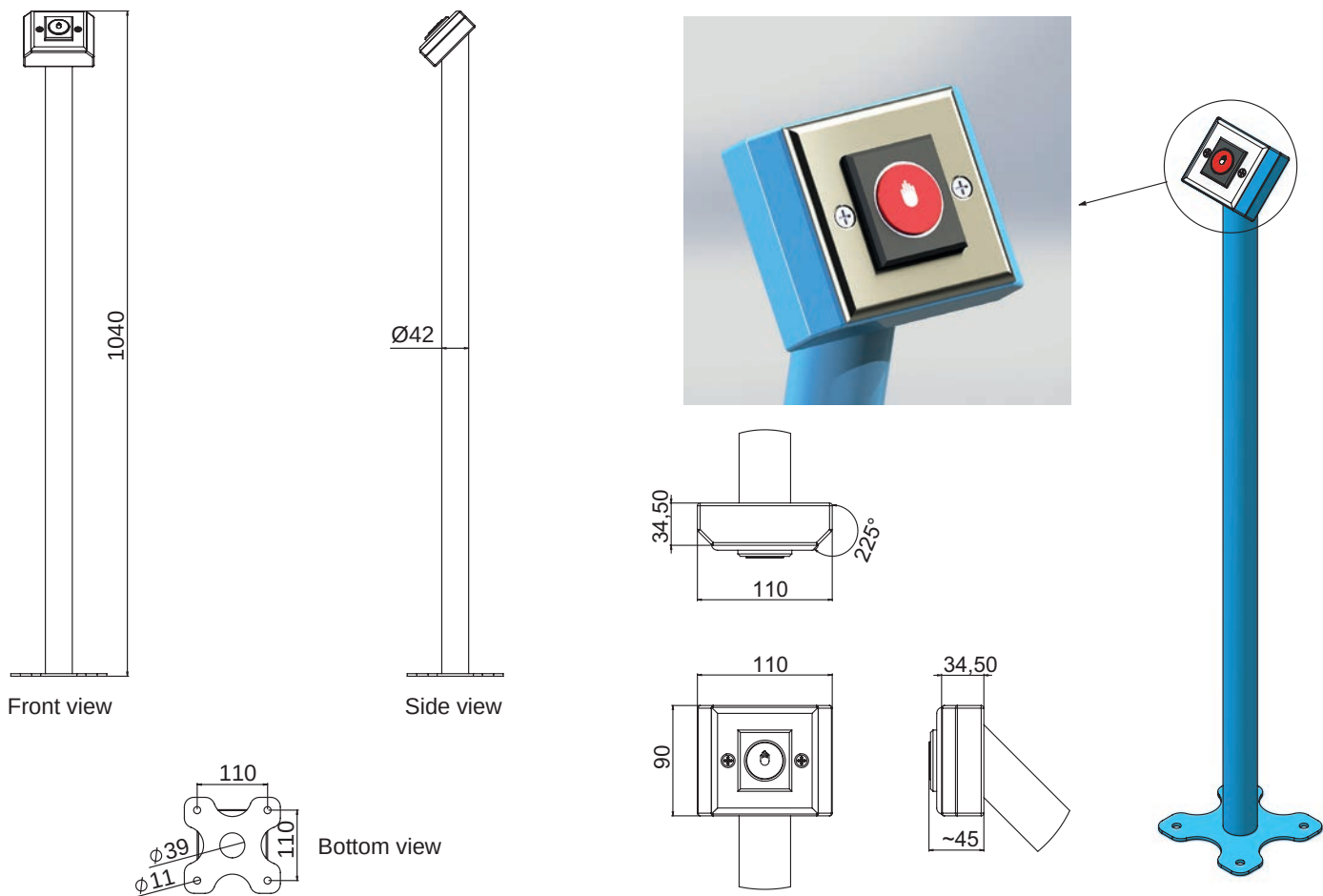
*CC= Color Code refers to LG Light Gray RAL 7035 and BL Black RAL 9005, added by the customer at the time of order.

Automatic Sliding Door Accessories

Product Code	Product Description	Product Code	Product Description
LN-SA52	Radar module with automatic door integration option	LN-M2M	Electromechanical lock module with automatic door integration option
LN-SL85	Hand proximity sensor module with automatic door integration option	LN-EEU	Emergency release battery module with automatic door integration option
LN-ST-120	Coded entry system module with automatic door integration option	LN-EEB	Emergency exit button module with automatic door integration option
LN-SR-002	Curtain photocell safety module with automatic door integration option		

Data Center Cabinets

Stand Type Hand Proximity Sensor



Stand type hand proximity sensor features

- ✓ Easy access on floor stand
- ✓ 1000 mm height
- ✓ Can be mounted on raised floor and concrete
- ✓ Painted in cabinet color
- ✓ Produced on demand

Stand Type Hand Proximity Sensor	
Product Code	Product Description
LN-DC-STAND-CC	Hand proximity sensor for hot and cold aisle automatic sliding doors, stand type

Data Center Cabinets

In-row DX Precision Air Conditioners

Environmental conditions such as appropriate temperature and humidity must be provided for the operation of information and communication technology equipment (ICT) in data centers and server rooms. These conditions can be achieved by removing the heat generated by ICT and by controlling the humidity. In data centers, cooling can be provided economically with direct expansion (DX) precision air conditioners.

Lande, with precision air conditioners, monitors the variable load of your data center with a precision controller (PLC) and increases product life time and energy efficiency by adjusting the cooling capacity with its compressor with inverter technology according to the cooling need. The series has different cooling capacities ranging from 10 to 32 kW.

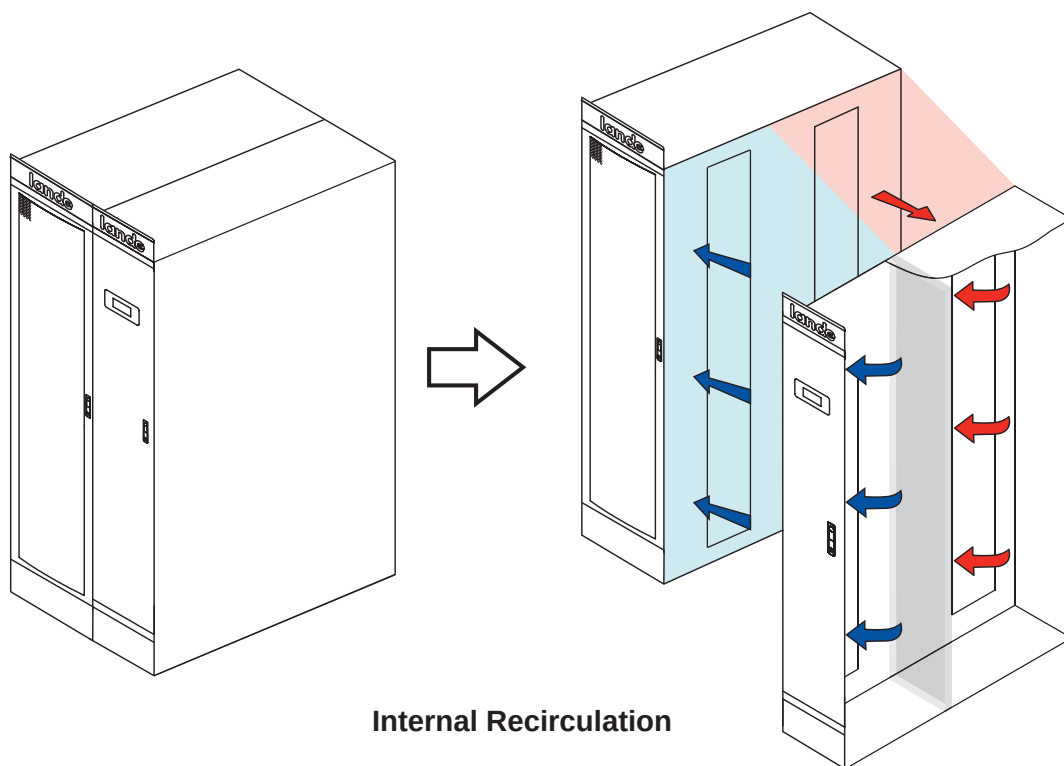
Lande precision air conditioners are equipped with EC fans, process air filter and condensation tank. In this way, while air conditioners offer high energy efficiency, they also increase the user experience and the air quality of the environment.

Lande precision air conditioners are equipped with a built-in user interface panel. Although the system provides control and management via DCIM; It allows remote access to instant air conditioning data from a single interface.



Data Center Cabinets

In-row DX Precision Air Conditioners



In-row Air Conditioner Specifications		3/10	4/15	4/20	6/25
Compressor		Hermetic - Inverter			
Total cooling capacity	W	(1) 3000 / 10200	4000 / 15300	6000 / 21000	6000 / 22500
		(2) 3000 / 9300	4000 / 13600	6000 / 19500	6000 / 20400
Precise cooling capacity	W	(1) 3000 / 9000	4000 / 13800	6000 / 18000	6000 / 19500
		(2) 3000 / 8500	4000 / 13000	6000 / 17200	6000 / 19100
Voltage source AC	V / pH / Hz	400 / 3 / 50-60 + N			
Maximum power	W	4450	6600	9000	11000
Maximum current	A	6.3	9	12.5	15.5
Evaporation section air flow rate	m³ / h	2500	3200	4000	4500
Voltage source	Vdc	48			
Width	mm	300			
Depth	mm	1200			
Height	mm	2000 + 100 (Plinth height can be changed upon request)			
Weight	Kg	150 *	150 *	160 *	160 *
Refrigerant ⁽³⁾		R410A			
Sound level ⁽⁴⁾	db(A)	65	65	66	68
Operating limit temperature	C	-20° + 45°			

⁽¹⁾ The cooling capacity is valid when outdoor 35°C, indoor 35°C and relative humidity 30%.

⁽²⁾ The cooling capacity is valid when outdoor 35°C, indoor 30°C and relative humidity 30%.

⁽³⁾ Also applies to R134a refrigerant. Limit temperature -20°C / +55°C / +55°C / Block 60°C.

⁽⁴⁾ Evaporation section: sound level is 41db(A) at the back when in free space, air conditioner in compressor mode (in cooling state).

(*) With +20 kg free cooling accessory.

Data Center Cabinets

Fiber Ducts

Lande Fiber Ducts, specially used in Datacenter and Telecommunication applications, where duct system is designed to protect and route fiber optic patch cords, cable assemblies to and from fiber guide closures, ODF and other terminal devices. Protecting cables from external physical effects and electrical interferences, thus provides a better operational structure.

Lande Fiber Ducts main parts are made of PVC and all rest accessories (brackets, corners, T bends, connections, exit parts..etc) are made of ABS Acrylonitrile Butadiene Styrene)

All size of Fiber Ducts as W120, W240 and W300mm are comply with **IEC EN 61537:2007** - Cable management. Cable tray systems and cable ladder systems and **IEC EN 62321-5:2013** Determination of certain substances in electrotechnical products. Cadmium, lead and chromium in polymers and electronics and cadmium and lead in metals by AAS, AFS, ICP-OES and ICP-MS which is so called RoHS Restriction of Hazardous Substances, based on proper conformity testings products are in accordance with CE regulations.

Temperature Resistance,

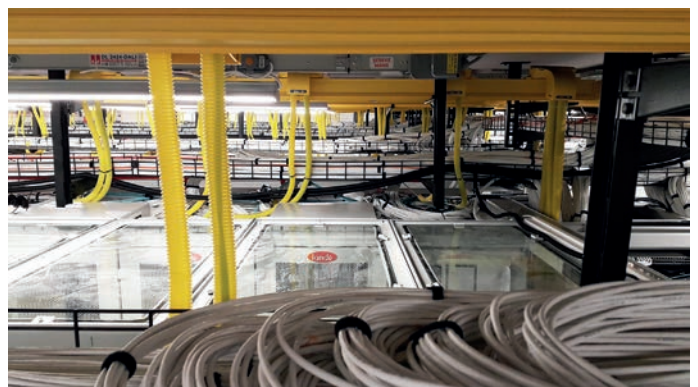
Lande Fiber Ducts are tested under -40°C and 16 hours long for temperature resistance tests, no any cracks, hardening is observed. At 60°C under 20N surface pressure test $d:0,85\text{mm}$ surface deformation happened, while the standard consider more than $d:2,0\text{mm}$ surface deformation as a failing criteria

Fire Resistance,

Lande Fiber Ducts placed open fire at 10 minutes, than in 2 minutes the fire stops, do not move forward and no dripping happened. Standard in this test accepts to have fire stopped in 30 minutes, and no dripping as an acceptance criteria.

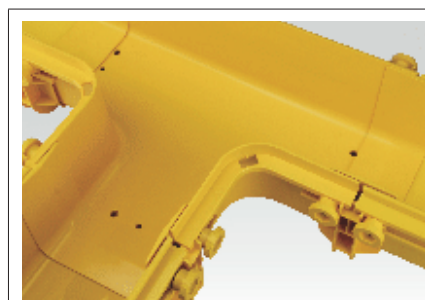
Electrical Isolation,

LANDE Fiber Ducts have given result of more than $100\text{ k}\Omega$ isolation performance, under test conditions of %93 humidity, 40°C temperature, 48 hours long. As well for high voltage tests resists to 42 kV voltage 60seconds- have not observed any deformation or holes on the ducts. Standard acceptance criteria is more than $5\text{ k}\Omega$ and 42 kV voltage for 60 seconds.



Data Center Cabinets

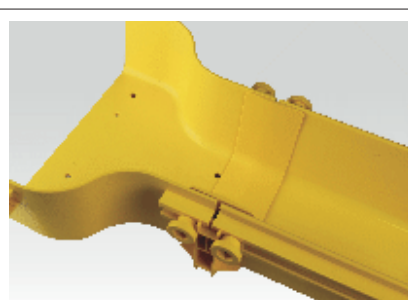
Fiber Ducts



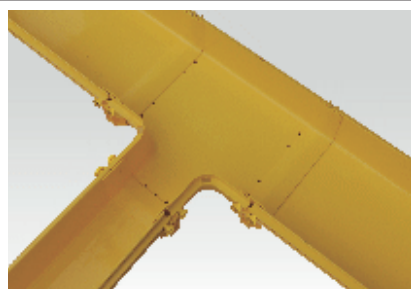
Horizontal T bend



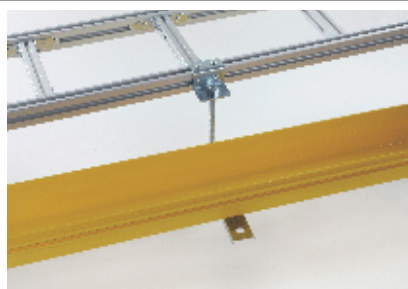
Exit kit - Pipe type



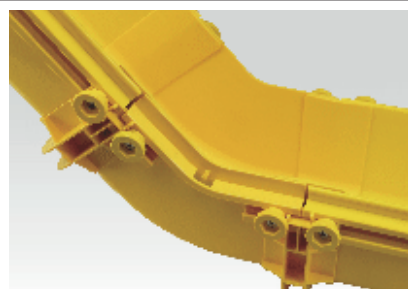
Reducer



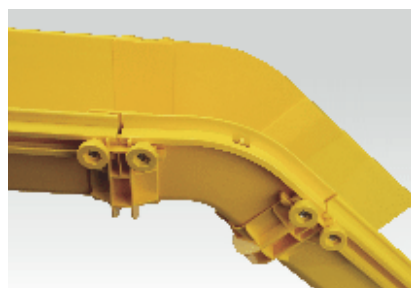
Horizontal T (250 to 120)



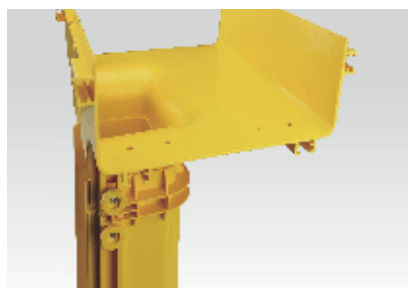
Hanging set



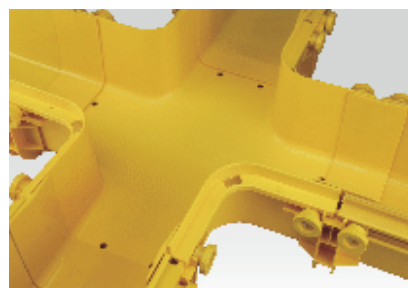
45° Vertical up



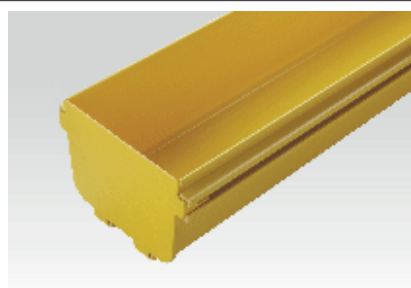
45° Vertical down



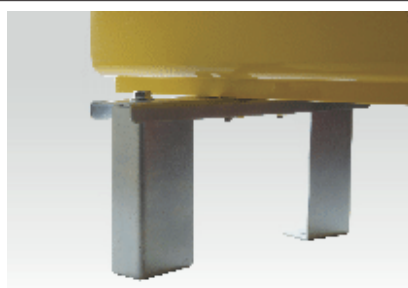
Vertical T (240 to 120)



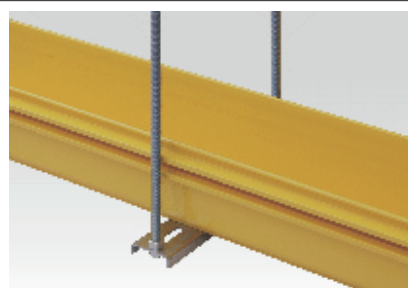
Horizontal cross



End cap



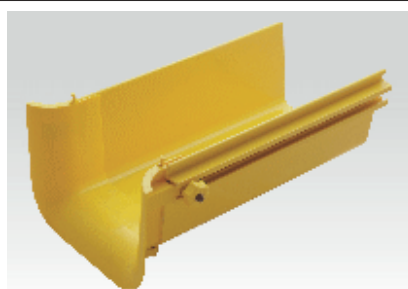
Cabinet top stand



Duct hanging set



Exit kit - Duct type



Trumpet exit

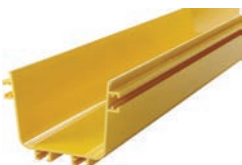


90° horizontal bend

Data Center Cabinets

120 mm Fiber Ducts

120 mm Fiber Ducts

Product Picture	Product Code	Product Description
	LN-FD1220-200	W120 mm H100 mm fiber duct, L2000 mm
	LN-FD120-ELB90	W120 mm fiber duct, 90° horizontal bend
	LN-FD120-T	W120 mm fiber duct, horizontal T
	LN-FD120-CRS	W120 mm fiber duct, horizontal cross
	LN-FD120-VD45	W120 mm fiber duct, 45° vertical down bend (outside)
	LN-FD120-VU45	W120 mm fiber duct, 45° vertical up bend (inside)
	LN-FD120-CNT	W120 mm fiber duct, connector

Product Picture	Product Code	Product Description
	LN-FD120-200-CVR	W120 mm fiber duct cover, L2000 mm
	LB-FD120-ELB90-CVR	W120 mm fiber duct, 90° horizontal bend cover
	LN-FD120-T-CVR	W120 mm fiber duct, horizontal T cover
	LN-FD120-CRS-CVR	W120mm fiber duct, horizontal cross cover
	LN-FD120-VD45-CVR	W120 mm fiber duct, 45° vertical down bend cover (outside)
	LN-FD120-VU45-CVR	W120 mm fiber duct, 45° vertical up bend cover (inside)
	LN-FD120-END	W120 mm fiber duct, end cap

Data Center Cabinets

120 mm Fiber Ducts

120 mm Fiber Ducts

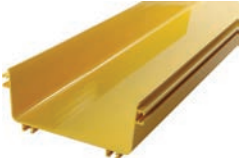
Product Picture	Product Code	Product Description
	LN-FD120-VT	W120 mm fiber duct, vertical T exit
	LN-FD120-TRP	W120 mm fiber duct, trupmet
	LN-FD120-BAR	W120 mm fiber duct, brace
	LN-FD-OUT-PT	Fiber duct, movable exit kit pipe type
	LN-FD-ROD	Fiber duct Ø14 mm rod (L2000 mm)

Product Picture	Product Code	Product Description
	LN-FD120-VT-CVR	W120 mm fiber duct, vertical T exit cover
	LN-FD120-HNG-SET	W120 mm fiber duct, hanging set
	LN-FD120-CTS	W120 mm fiber duct, cabinet top stand
	LN-FD-OUT-DT	Fiber duct, movable exit kit 120 mm duct type
	LN-FD-NUT	Fiber duct screw&nut (1 pcs)

Data Center Cabinets

240 mm Fiber Ducts

240 mm Fiber Ducts

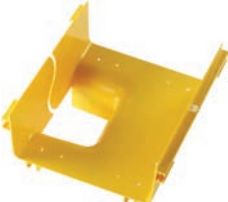
Product Picture	Product Code	Product Description
	LN-FD240-200	W240 mm H100 mm fiber duct, L2000 mm
	LN-FD240-ELB90	W240 mm fiber duct, 90° horizontal bend
	LN-FD240-T	W240 mm fiber duct, horizontal T
	LN-FD240-CRS	W240 mm fiber duct, horizontal cross
	LN-FD240-VD45	W240 mm fiber duct, 45° vertical down bend (outside)
	LN-FD240-VU45	W240 mm fiber duct, 45° vertical up bend (inside)
	LN-FD240-CNT	W240 mm fiber duct, connector

Product Picture	Product Code	Product Description
	LN-FD240-200-CVR	W240 mm fiber duct cover, L2000 mm
	LN-FD240-ELB90-CVR	W240 mm fiber duct, 90° horizontal bend cover
	LN-FD240-T-CVR	W240 mm fiber duct, horizontal T cover
	LN-FD240-CRS-CVR	W240 mm fiber duct, horizontal cross cover
	LN-FD240-VD45-CVR	W240 mm fiber duct, 45° vertical down bend cover (outside)
	LN-FD240-VU45-CVR	W240 mm fiber duct, 45° vertical up bend cover (inside)
	LN-FD240-END	W240 mm fiber duct, end cap

Data Center Cabinets

240 mm Fiber Ducts

240 mm Fiber Ducts

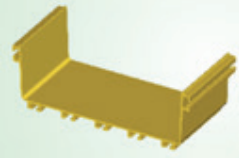
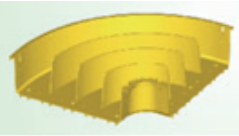
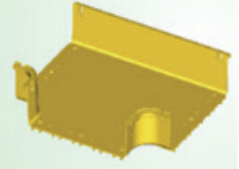
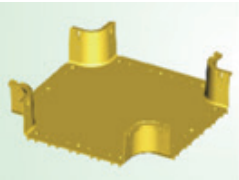
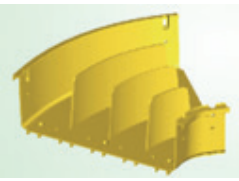
Product Picture	Product Code	Product Description
	LN-FD240-VT	W240 mm fiber duct, vertical T exit
	LN-FD240-HTC120	W240 mm fiber duct, 120 mm horizontal T
	LN-FD240-RDC120	W240 mm fiber duct, reducer to 120 mm
	LN-FD240-HGS-SET	W240 mm fiber duct, hanging set
	LN-FD240-CTS	W240 mm fiber duct, cabinet top stand
	LN-FD-OUT-DT	Fiber duct, movable exit kit 120 mm duct type
	LN-FD-NUT	Fiber duct screw&nut (1 pcs)

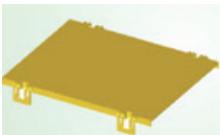
Product Picture	Product Code	Product Description
	LN-FD240-VT-CVR	W240 mm fiber duct, vertical T exit cover
	LN-FD240-HTC120-CVR	W240 mm fiber duct, 120 mm horizontal T cover
	LN-FD240-RDC120-CVR	W240 mm fiber duct, reducer cover to 120 mm
	LN-FD240-BAR	W240 mm fiber duct, brace
	LN-FD-OUT-PT	Fiber duct, movable exit kit pipe type
	LN-FD-ROD	Fiber duct Ø14 mm rod (L2000 mm)

Data Center Cabinets

300 mm Fiber Ducts

300 mm Fiber Ducts

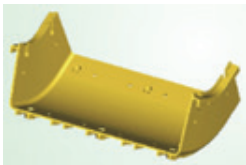
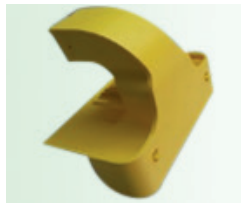
Product Picture	Product Code	Product Description
	LN-FD300-200	W300 mm H100 mm fiber duct, L2000 mm
	LN-FD300-ELB90	W300 mm fiber duct, 90° horizontal bend
	LN-FD300-T	W300 mm fiber duct, horizontal T
	LN-FD300-CRS	W300 mm fiber duct, horizontal cross
	LN-FD300-ELB45	W300 mm fiber duct, 45° horizontal bend
	LN-FD300-VD90	W300 mm fiber duct, 90° vertical down bend
	LN-FD300-VD45	W300 mm fiber duct, 45° vertical down bend (outside)

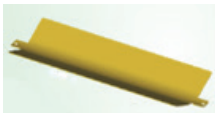
Product Picture	Product Code	Product Description
	LN-FD300-400-CVR	W300 mm fiber duct cover, L2000 mm (5 pcs 40 cm)
	LN-FD300-ELB90-CVR	W300 mm fiber duct, 90° horizontal bend cover
	LN-FD300-T-CVR	W300 mm fiber duct, horizontal T cover
	LN-FD0-CRS-CVR	W300 mm fiber duct, horizontal cross cover
	LN-FD300-ELB45-CVR	W300 mm fiber duct, 45° horizontal bend cover
	LN-FD300-VD90-CVR	W300 mm fiber duct, 90° vertical down bend cover
	LN-FD300-VD45-CVR	W300 mm fiber duct, 45° vertical down bend cover (outside)

Data Center Cabinets

300 mm Fiber Ducts

300 mm Fiber Ducts

Product Picture	Product Code	Product Description
	LN-FD300-VU45	W300 mm fiber duct, 45° vertical up bend (inside)
	LN-FD300-CNT	W300 mm fiber duct, connector
	LN-FD300-OUT	W300 mm fiber duct, movable exit kit
	LN-FD300-ROD	W300 mm fiber duct, rod
	LN-FD-NUT	Fiber duct screw&nut (1 pcs)

Product Picture	Product Code	Product Description
	LN-FD300-VU45-CVR	W300 mm fiber duct, 45° vertical up bend cover (inside)
	LN-FD300-END	W300 mm fiber duct, end cap
	LN-FD300-LBAR	W300 mm fiber duct, L type bracket
	LN-FD-ROD	Fiber duct Ø14 mm rod (L2000 mm)

Data Center Cabinets

KVM Console Unit

Product Part Number: LN-LCD1701

17" LCD KVM Console (Disassembly design for Keyboard, Touch Pad Mouse)

KVM console module featuring an integrated 17" LCD panel, over-thin keyboard, and touchpad in a 1U rack-mountable housing. With a grade 17" TFT LCD, The highest resolution: 1920*1080 60HZ; the optimum resolution: 1280*1024 60HZ; Compared with traditional keyboards, monitor and mouse, it could save almost 85% space.

Control platform with LCD, keyboard, mouse. 17" LCD screen with high brightness, high clear and high resolution. Control platform can be totally pulled out from the cabinet and the LCD screen can be turned on to 120 degrees.

1U height, suitable for 19" standard cabinet installation and metal structure. Ultra thin keyboard with keypad. Mouse touch board with two function button. Front panel with lock to prevent damage by accident. Built-in Or External power. Automatic power on/off. When pulling control platform out from cabinet, the power turns on automatically. When pushing it into the cabinet, the power turns off automatically. Easy use of OSD menu. CE and ROHS certified.



LN-LCD1701 - KVM Module Description			
Type		1 Port	
Computer Connection	Direct Connects	1	
	Maximum Connects	1	
CPU Port Selection		/	
Connectors	Console Connector		DB 37PIN
	PC Connector	Monitor, Keyboard / Mouse Switch Module	1 x VGA DB15, USB/PS.2
	Power		1 x DC Jack
	Network Port		/
Key Switch	Connection Port Selection		/
	KVM Reset		KVM Operation Panel Function Keys
	IP Module Reset		/
	IP Module Default		/
LED's	Selected		/
	Online		/
	IP Network		/
Analog Mode	Keyboard / Mouse		USB, PS/2
Resolution (Max)		1920 x 1200 @ 60HZ Local & Remote	
Scan Time Interval		3, 5, 10, 15, 20, 30, 40, 60s (3s by default)	
Operating Environment	Operating Temperature		-10-50°C
	Storage Temperature		-20-60°C
	Humidity		0-80%RH, No Condensation
Physical Properties	Housing		Plastic
	Dimensions		50*77*24.5 mm
	Weight		0.18 kgs.

LN-LCD1701 - Description		
Type		17" LCD Console
LCD Monitor	Ratio	17" Screen, 4:3
	Video	SXGATFT-LCD
	Visible Square	337.920(H) x 270.336(V)
	Resolution	1280*1024@60HZ(Optimum)/1920*1200@60HZ(Max)
	Support Color	16.7M (RGB 6 bit + Hi_FRC)
	Contrast	1000:1 (Typ)
	Backlight	LED
	Pixel Pitch	0.264x0.297 mm
	LEDMTBF	100,000 hours
	Input Power	12V
Keyboard (Demountable design)	Keyboard	100 Keys, Detachable (9 different languages for choose)
	Compatible IBM / AT	Microsoft Windows 9, Me/NT/2000/XP, WIN7, Server 2003, WIN8, WIN10
	Port	Standard PS/2; USB
	Using Life	> 1,000,000 Times
Mouse	Type	Touch Screen
	Port	Standard PS/2
	X/Y Resolution	> 1000 dots/inch, (40x40/mm)
	Using Life	> 1,000,000 Times
Installation Dimension	407*445*45 mm	
Weight	6.15 kgs.	

Data Center Cabinets

KVM Console Unit

Product Part Number: LN-LCD1708

17" LCD KVM SWITCH in 8 ports, combo support (USB/PS.2), combo cable included.

LCD KVM Switch featuring an integrated 17" LCD panel, over-thin keyboard and touchpad in a 1U rack-mountable housing. With a grade 17" TFT LCD, The highest resolution: 1920*1080 60HZ; the optimum resolution: 1280*1024 60HZ. Compared with traditional keyboards, monitor and mouse, it could save almost 85% space.

Control platform with LCD, keyboard, mouse and multiple ports KVM switch. 17" LCD screen with high brightness, high clear and high resolution. Control platform can be totally pulled out from the cabinet and the LCD screen can be turned on to 120 degrees.

1U height, suitable for 19" standard cabinet installation and metal structure. Ultra thin keyboard with keypad. Mouse touch board with two function button. Front panel with lock to prevent damage by accident. Built-in Or External power. Automatic power on/off. When pulling control platform out from cabinet, the power turns on automatically. When pushing it into the cabinet, the power turns off automatically. Easy use of OSD menu. CE and ROHS certified.

Switch; One control platform can control 8 computers by direct connection. One control platform can control 128 computers by 3 level cascade connection. Be compatible with PS/2, USB standard interface. Support VGA, SVGA, XGA video input. Accord with DDC, DDC2, DDC2B standard and VESA standard. Support resolution of 1280*1024 60HZ Support multiple operating systems: Microsoft Windows9, Me/NT/2000/XP, WIN7, Server2003, WIN8, WIN10.

LN-LCD1708 - Description		
Type		17" LCD Console
LCD Monitor	Ratio	17" Screen, 4:3
	Video	SXGATFT-LCD
	Visible Square	337.920(H) x 270.336(V)
	Resolution	1280*1024@60HZ(Optimum)/1920*1200@60HZ(Max)
	Support Color	16.7M (RGB 6 bit + Hi_FRC)
	Contrast	1000:1 (Typ)
	Backlight	LED
	Pixel Pitch	0.264x0.297 mm
	LEDMTBF	100,000 hours
	Input Power	12V
Keyboard (Demountable design)	Keyboard	100 Keys, Detachable (9 different languages for choose)
	Compatible	Microsoft Windows 9, Me/NT/2000/XP, WIN7, Server 2003, WIN8, WIN10
	Port	Standard PS/2; USB
	Using Life	> 1,000,000 Times
Mouse	Type	Touch Screen
	Port	Standard PS/2
	X/Y Resolution	> 1000 dots/inch, (40x40/mm)
	Using Life	> 1,000,000 Times
Installation Dimension	407*445*45 mm	
Weight	6.15 kgs.	



LN-LCD1708 - KVM Module Description			
Type			8 Port
Computer Connection	Direct Connects		8
	Maximum Connects		128
CPU Port Selection			OSD Menu, Front Panel Buttons, Hot Key, IP Remote Control (Optional)
Connectors	Console Connector		DB 37PIN
	PC Connector	Monitor, Keyboard / Mouse Switch Module	8 x VGA DB15, Female Blue
	Power		1 x DC Jack
	Network Port		1 x RJ45 (Optional)
Key Switch	Connection Port Selection		KVM Operation Panel Digital Keys
	KVM Reset		KVM Operation Panel Digital Keys
	IP Module Reset		1 x semi-embedded key
	IP Module Default		1 x semi-embedded key
LED's	Selected		Nixie Tube Display
	Online		8 x Red
	IP Network		1 x Green, 1 x Orange
Analog Mode	Keyboard / Mouse		USB, PS/2
Resolution (Max)			1920 x 1200 @ 60HZ Local & Remote
Scan Time Interval			3, 5, 10, 15, 20, 30, 40, 60s (3s by default)
Operating Environment	Operating Temperature		-10-50°C
	Storage Temperature		-20-60°C
	Humidity		0-80%RH, No Condensation
Physical Properties	Housing		Metal
	Dimensions		148.4*445*45 mm
	Weight		3.32 kgs.

Data Center Cabinets

KVM Console Unit

Product Part Number : LN-LCD1716

17" LCD KVM SWITCH in 16 ports, combo support (USB/PS.2), combo cable included.

LCD KVM Switch featuring an integrated 17" LCD panel, over-thin keyboard, and touchpad in a 1U rack-mountable housing. With a grade 17" TFT LCD, The highest resolution: 1920*1080 60HZ; the optimum resolution: 1280*1024 60HZ. Compared with traditional keyboards, monitor and mouse, it could save almost 85% space.

Control platform with LCD, keyboard, mouse and multiple ports KVM switch. 17" LCD screen with high brightness, high clear and high resolution. Control platform can be totally pulled out from the cabinet and the LCD screen can be turned on to 120 degrees.

1U height, suitable for 19" standard cabinet installation and metal structure. Ultra thin keyboard with keypad. Mouse touch board with two function button. Front panel with lock to prevent damage by accident. Built-in Or External power. Automatic power on/off. When pulling control platform out from cabinet, the power turns on automatically. When pushing it into the cabinet, the power turns off automatically. Easy use of OSD menu. CE and ROHS, FCC certified. With IP function, 1 remote user.

Switch; One control platform can control 16 computers by direct connection. One control platform can control 256 computers by 3 level cascade connection. Be compatible with PS/2, USB standard interface. Support VGA, SVGA, XGA video input. Accord with DDC, DDC2, DDC2B standard and VESA standard. Support resolution of 1280*1024 60HZ. Support multiple operating systems: Microsoft Windows9, Me/NT/2000/XP, WIN7, Server2003, WIN8, WIN10.

LN-LCD1716 - Description		
Type		17" LCD Console
LCD Monitor	Ratio	17" Screen, 4:3
	Video	SXGATFT-LCD
	Visible Square	337.920(H) x 270.336(V)
	Resolution	1280*1024@60HZ(Optimum)/1920*1200@60HZ(Max)
	Support Color	16.7M (RGB 6 bit + Hi_FRC)
	Contrast	1000:1 (Typ)
	Backlight	LED
	Pixel Pitch	0.264x0.297 mm
	LEDMTBF	100,000 hours
	Input Power	12V
Keyboard (Demountable design)	Keyboard	100 Keys, Detachable (9 different languages for choose)
	Compatible	Microsoft Windows 9, Me/NT/2000/XP, WIN7, Server 2003, WIN8, WIN10
	Port	Standard PS/2; USB
	Using Life	> 1,000,000 Times
Mouse	Type	Touch Screen
	Port	Standard PS/2
	X/Y Resolution	> 1000 dots/inch, (40x40/mm)
	Using Life	> 1,000,000 Times
Installation Dimension	407*445*45 mm	
Weight	6.15 kgs.	



LN-LCD1716 - KVM Module Description			
Type			16 Port
Computer Connection	Direct Connects		16
	Maximum Connects		256
CPU Port Selection			OSD Menu, Front Panel Buttons, Hot Key, IP Remote Control (Optional)
Connectors	Console Connector		DB 37PIN
	PC Connector	Monitor, Keyboard / Mouse Switch Module	16 x VGA DB15, Female Blue
	Power		1 x DC Jack
	Network Port		1 x RJ45 (Optional)
Key Switch	Connection Port Selection		KVM Operation Panel Digital Keys
	KVM Reset		KVM Operation Panel Function Keys
	IP Module Reset		1 x semi-embedded key
	IP Module Default		1 x semi-embedded key
LED's	Selected		Nixie Tube Display
	Online		16 x Red
	IP Network		1 x Green, 1 x Orange
Analog Mode	Keyboard / Mouse		USB, PS/2
Resolution (Max)			1920 x 1200 @ 60HZ Local & Remote
Scan Time Interval			3, 5, 10, 15, 20, 30, 40, 60s (3s by default)
Operating Environment	Operating Temperature		-10-50°C
	Storage Temperature		-20-60°C
	Humidity		0-80%RH, No Condensation
Physical Properties	Housing		Metal
	Dimensions		148.4*445*45 mm
	Weight		4.96 kgs.

Data Center Cabinets

Environmental Monitoring and Management System

Lande EMS 401 is a device which measures, monitors, saves and controls environmental variables such as temperature, humidity, smoke, air flow etc.

Lande EMS 401 is a standalone solution which is able to operate independently without any connection to a server or a computer network. It's easy to install, flexible, safe and compatible with other sensors meeting industrial standards.

Lande EMS 401 supports RS485 communication standards for integration with other industrial devices like UPS, generator, air conditioners etc.



Connection up to 10 cabinets with EMS CSS Combo Modules. For wider networks, please consult to Lande sales representatives.

The network can be extended by adding up to 10 min combo module to standard RS485 ports of **Lande EMS 401** and you can easily add it to your local network.

Other electrical devices, like air conditioners, ventilation fans etc., can be turned on and off by connecting them to RS485 ports of **Lande EMS 401**.

EMS 401 Technical Specifications

Dimensions	190 x 105 x 35 mm
Weight	480 gr
Voltage	12 Volt
Current	500-2000 mA
Communication protocol	Communication via standard TCP IP structure or GPRS
Communication compatibility	TS EN 61000-6-2
Protection class	IP 44
Warranty	2 years
Measurement precision	±2% standard
Device operating limits	Temperature: -20°C - 80°C, Humidity: up to 85% RH
Temperature measurement range	0 °C - 80°C (±1)
Relative humidity measurement range	0 - 95% RH (±3)
Measurement frequency	750 ms
Transmission frequency	Adjustable transmission frequency
Limit adjusting	Adjustable upper-lower limits
Door sensor	Magnetic sensor (optional)
Temperature and humidity	Internal temperature and humidity sensor
GSM identification	Yes
Leakage	One wire leak sensor
One wire distance	Maximum 50 meters
Digital input	6 input
Digital output	2 output
Analogue input	6 input
Protocols	HTTP, HTTPS, SNMP Traps, Modbus, FTP, SSH, Telnet
Emergency e-mail	Yes
Emergency SMS	Optional
Siren	Yes

Data Center Cabinets

Environmental Monitoring and Management System

Lande EMS 501 is a device which measures, monitors, records and controls environmental variables such as temperature, humidity, smoke, air flow etc.

Lande EMS 501 is a standalone solution which is able to operate independently without any connection to a server or a computer network. It's easy to install, flexible, safe and compatible with other sensors meeting industrial standards.

Lande EMS 501 supports RS485 communication standards for integration with other industrial devices like UPS, generator, air conditioners etc. You can extend the coverage of your EMS System with the sensor multiplexer HUB that you will connect to the sensor port.

Lande EMS 501 can easily be added to local networks through LAN Ethernet connection. Moreover, you can connect a compatible 3G modem through the USB port for connection (USB 3G modem is not included to shipment configuration).

Other electrical devices, like air conditioners, ventilation fans etc., can be turned on and off by connecting them to digital output connectors of **Lande EMS 501**.



Connection up to 10 cabinets with EMS CSS Combo Modules. For wider networks, please consult to Lande sales representatives.

Lande EMS 501 gives secure access to the data center and allows remote monitoring all over the World by a unique Web interface. System notifications and alarms instantly convey information to administrators via various options like e-mails, SMS, phone call and SNMP trap.

All the data and logs from sensors can be saved to be used for further reporting and analysis. The data collected by **Lande EMS 501** is secured with advanced encryption algorithms.

A compatible IP camera or USB Web camera can be connected to Lande EMS 501 to remote live video surveillance. System can be programmed to take and e-mail pictures when desired.

EMS 501 Technical Specifications

Dimensions	380 x 105 x 35 mm
Weight	480 gr
Voltage	12 Volt
Current	500-2000 mA
Communication protocol	Communication via standard TCP IP structure or GPRS
Communication compatibility	TS EN 61000-6-2
Protection class	IP 44
Warranty	2 years
Measurement precision	±2% standard
Device operating limits	Temperature: -20°C - 80°C, Humidity: up to 85% RH
Temperature measurement range	0 °C - 80°C (±1)
Relative humidity measurement range	0 - 95% RH (±3)
Measurement frequency	750 ms
Transmission frequency	Adjustable transmission frequency
Limit adjusting	Adjustable upper-lower limits
Door sensor	Magnetic sensor (optional)
Temperature and humidity	Internal temperature and humidity sensor
Screen	2x16 LCD screen
GSM identification	Yes
Digital input	8 input
Digital output	3 output
Analogue input	8 input
Camera connection	Yes
Protocols	HTTP, HTTPS, SNMP Traps, Modbus, FTP, SSH, Telnet
Emergency e-mail	Yes
Emergency SMS	Optional
Siren	Yes
USB cam support	Yes

Data Center Cabinets

Environmental Monitoring and Management System

Lande EMS 601 is a device which measures monitors, records and controls environmental variables, such as fan frequency, fan state, temperature, humidity, smoke, air flow etc.

Lande EMS 601 is a standalone solution which is able to operate independently without any connection to a server or a computer network.

It's easy to install, flexible, safe and compatible with other sensors meeting industrial standards. Wi-Fi feature allows wirelessly connect sensors.

Lande EMS 601 can easily be added to local networks through LAN Ethernet connection.



Connection up to 10 cabinets with EMS CSS Combo Modules. For wider networks, please consult to Lande sales representatives.

Other electrical devices, like air conditioners, ventilation fans etc., can be turned on and off by connecting them to digital output connectors of **Lande EMS 601**.

Lande EMS 601 allows you to access temperature and humidity maps of data centers while providing power consumption statistics. EMS software records entry/exit logs. EMS gathers the data from sensors and uploads to the cloud while creating trend charts. Parameters can be set to allow, alerts via e-Mail, SMS, SNMP Trap or Siren. Which allows remote and early diagnosis of the situations.

EMS 601 Technical Specifications

Dimensions	212 x 90 x 59 mm
Weight	465 gr
Voltage	220 Volt
Current	500-2000 mA
Communication protocol	Communication via standard TCP IP structure or GPRS
Communication compatibility	TS EN 61000-6-2
Protection class	IP 44
Warranty	2 years
Measurement precision	±2% standard
Device operating limits	Temperature: -20°C - 80°C, Humidity: up to 85% RH
Temperature measurement range	0 °C - 80°C (±1)
Relative humidity measurement range	0 - 95% RH (±3)
Measurement frequency	750 ms
Wireless connection	Wifi
Transmission frequency	Adjustable transmission frequency
Limit adjusting	Adjustable upper-lower limits
Door sensor	Magnetic sensor (optional)
Temperature and humidity	Internal temperature and humidity sensor
Leakage	One Wire Leak sensor
Smoke sensor	Yes
Dry contact	6
Digital input	8
Digital output	8
TC-IP connection	Rj 45 Ethernet
Protocols	HTTP, HTTPS, SNMP Traps, Modbus, FTP, SSH, Telnet
Emergency e-mail	Yes
Emergency SMS	Optional

Data Center Cabinets

Environmental Monitoring and Management System

Lande EMS CSS COMBO MODULE is a device which measures, monitors, records and controls environmental variables such as temperature, humidity, air quality, air flow etc.

Lande EMS CSS COMBO MODULE is a standalone solution which is able to operate independently without any connection to a server or a computer network.

It's easy to install, flexible, safe and compatible with other sensors meeting industrial standards.

Lande EMS CSS COMBO MODULE supports RS485

communication standards for integration with other industrial devices like UPS, generator, air conditioners etc.

Other electrical devices, like air conditioners, ventilation fans etc., can be turned on and off by connecting them to RS485 ports of **Lande EMS CSS COMBO MODULE**.



EMS CSS COMBO MODULE Technical Specifications

Dimensions	75 x 53 x 19 mm
Weight	110 gr
Voltage	5 Volt
Current	500-2000 mA
Communication protocol	Communication via standard TCP IP
Communication compatibility	TS EN 61000-6-2
Protection class	IP 44
Warranty	2 years
Measurement precision	±2% standard
Device operating limits	Temperature: -20°C - 80°C, Humidity: up to 85% RH
Temperature measurement range	0 °C - 80°C (±1)
Relative humidity measurement range	0 - 95% RH (±3)
Measurement frequency	750 ms
Transmission frequency	Adjustable transmission frequency
Limit adjusting	Adjustable upper-lower limits
Door sensors	Magnetic sensor (optional)
Temperature and humidity	Internal temperature and humidity sensor
GSM identification	Yes
Digital input	Supported up to 4 input
Digital output	1 output
Analogue input	2 input
Protocols	HTTP, HTTPS, SNMP Traps, Modbus, FTP, SSH, Telnet
Emergency e-mail	Yes
Emergency SMS	Optional
Siren	Optional

Data Center Cabinets

Environmental Monitoring and Management System Sensors and Accessories

Camera - LN-EMS-CAMS

Captures sabotage attempts and unauthorised entries and sends images to EMS system.



Smoke Sensor - LN-EMS-SS

Used for detection of fires in advance to activates emergency system. Sensor should be located to a high and central location within the cabinet for the best fast results for detection of smoke and high temperature.



Leak Sensor - LN-EMS-LS

Detects water/liquid leakages in the environment to activate alarm system. Sensor works even if the alarms is turned off.



Temperature and humidity Sensor - LN-EMS-HHS

An advanced temperature and humidity sensor. Highly reliable and convenient for in long term usage.



Leak Sensor (Rope Type) - LN-EMS-RTLS

A device which constantly monitors water/liquid leakages.



Air Quality Sensor - LN-EMS-AQS

Detects oxidizable (ignitable) gases: body odour, cigarette smoke, gasses as a result of fire other materials (furniture, carpets, paint coatings, adhesives etc).



Data Center Cabinets

Environmental Monitoring and Management System Sensors and Accessories

Flasher Siren - LN-EMS-FSS

Warning buzzer which is developed for smart addressable systems and works with all 12 Volt outputs



Information Display - LN-RMS-MINI-001

A display which receives, processes and shows data from sensors.



Energy Analyser - LN-EMS-EA

A device which provides continuous monitoring of the electric energy, keeps measurement logs and disseminates the results with remote devices when requested.



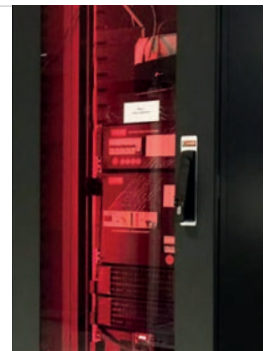
GSM Module - LN-EMS-GSM

A module which allows you to communicate via GSM network where internet lines are unavailable.



Intelligent Warning Lighting Module - LN-DGR-AYD-2MST-XX

It is a smart vertical lighting module that provides a visual warning by flashing red when the temperature rises above the set value, and illuminates blue below the set temperature value, indicating that the temperature is normal. It is applied as a 2 meter strip.



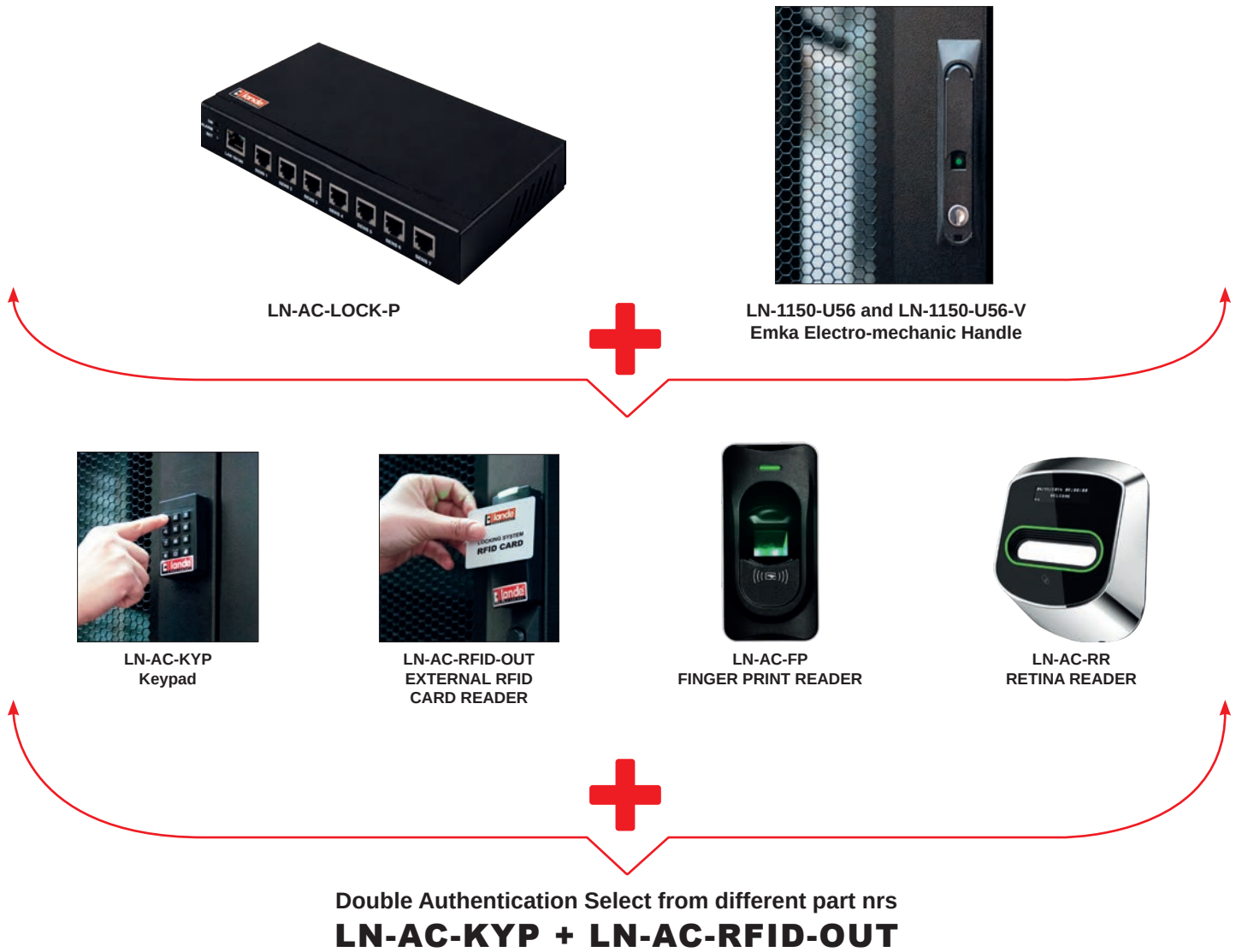
Data Center Cabinets

Access Control Systems

Lande Data Center Cabinets Access Control Systems			
Product Image	Product Code	Product Description	Product Features
	LN-1155-U1	Three-digit, combination, keyed, single point locking lever lock.	Suitable for use in co-location (split) and standard cabinets.
	LN-1155-U1-11	Three-digit espagnolette handle lock with combination key, three-point locking.	Suitable for use in co-location and standard cabinets.
	LN-1225-291	Single point lockable espagnolette handle lock.	Suitable for use in all standard cabinets. Up to 500 different encrypted keys can be defined.
	LN-1225-198	Three-point lockable espagnolette handle.	Suitable for use in all standard cabinets. Up to 500 different encrypted keys can be defined.
	LN-1150-U56	Three-point lockable electronic handle lock, can be opened with a key.	Electromechanical, keyed lock and LED integrated door handle are supplied as standard with EK333 code. It has up to 500 different key options, it is suitable for single point and three point locking.
	LN-3111	Three-point lockable electronic handle lock.	Electromechanical, keyed lock and led integrated door, suitable for single point and three point locking.
	LN-3000-U900-41	Three-point lockable electronic handle lock.	Remote access is provided thanks to its electronic structure. It is a wired system.
	LN-3000-U911-41	Three-point lockable electronic handle lock.	Remote access is provided thanks to its electronic structure. It is a wireless system.
	LN-2100-U151	Stand alone electronic handle lock can be locked from one or three points.	Provides access control to the cabinet with the help of digital encryption and mechanical lock. The front door has a digital encryption keypad. The back door is controlled from the front door.

Data Center Cabinets

Intelligent - Monitored / Managed LN-AC-LOCK-P



LN-AC-LOCK-P; Lande Intelligent Access Control System offers access control functions with environment monitoring functions and allows remote monitoring of important data centre variables, such as; door status, temperature, humidity, water leakage, smoke etc. **LN-AC-LOCK-P** can control locks of up to 12 cabinets with RS 485 connectors.

Device makes data centers globally accessible through a secure web page, IOS and Android applications. The product also records logs to be used for reporting and analysis with an option for extraction and integration to any other software or BMS systems.

Lande **LN-AC-LOCK-P** measures, monitors, records and controls the environmental variables. It does not need any computer/server connection to operate and communicated through standard LAN Ethernet connection. Compatible with industrial standard sensors, easy to install, flexible and reliable.

LN-AC-LOCK-P reports current status and notifies abnormalities instantaneously via e-mail, SMS, SNMP. The data and all algorithms are created, kept or transferred via **LN-AC-LOCK-P** end to end encrypted. So it is secure against external or internal sabotage attacks.

Data Center Cabinets

Locking Options Compatible with LN-AC-LOCK-P



LN-AC-KYP Keypad Technical Specifications	
Power consumption	12 volt 20 mA
Size	55 (W) x 80 (D) x 15 (H) mm
Weight	30 gr
Keypad communication protocol	RS 485
Keypad input	10 numbers - 2 digits
Users	50 users



LN-AC-RFID OUT
External RFID Card Reader

LN-AC-RFID OUT - LN-AC-RFID IN Technical Specifications	
Power consumption	5 volt
Operating frequency	13,56 MHz
Operating amper	13-26 mA
Sleeping amperage	<80 uA
Communication protocol	RS485
Card size	W40 x H60 mm
Supported cards	Mifare1 S50, mifare1 S70 mifare ultralight, mifarepro and mifare desfire

LN-AC-RFID IN
Internal RFID Card Reader
Inner Surface Mounted



LN-AC-RR-Lande intelligent cabinet access control systems External retina reader module

LN-AC-RR Retina Reader Technical Specifications	
Retina reading distance	20-60cm
Retina recording capacity	150 pcs
Log recording capacity	50.000 pcs
Communication Protocol	TCP/IP Ethernet
Voltage	10-24 VDC.
Power consumption	<10W

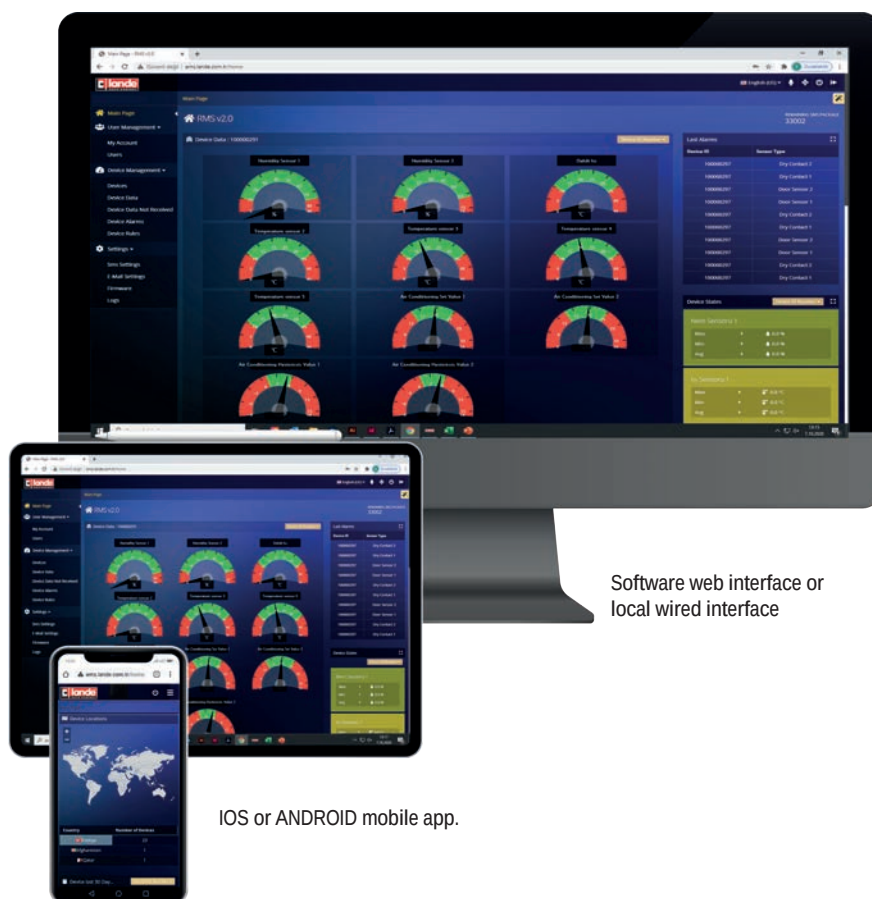
Data Center Cabinets

Locking Options Compatible with LN-AC-LOCK-P



LN-AC-FP Finger Print Reader Technical Specifications	
Finger print data capacity	9.000 pcs
Card capacity	16.000 pcs
Memory	32.000 pcs
Standards	EN Standard / ISO 14443A / ISO 15693 / ISO 14443A/B +15693
Reading distance	5-10 cm
Voltage	10-24 VDC.
Power consumption	<5W
Communication	Rs 485 / TCP / IP Ethernet
Access methods	Finger print
Operating temperature	-10°C + 60°C
Digital input	3 output button / 3 door sensor
Relay output	1 alarm relay / 1 door relay
Door delay	0,0.1-600 sec adjustable
Alarm delay	0,0.1-600 sec adjustable
Tamper resist switch	Limit switch (from C)
Protection class	IP55
Buzzer alarm	One wire water leakage sensor
Dimensions	127x147x65 mm

Software Interface and Mobile Application



Software web interface or local wired interface

IOS or ANDROID mobile app.

Data Center Cabinets

Power Distribution Units (PDU)

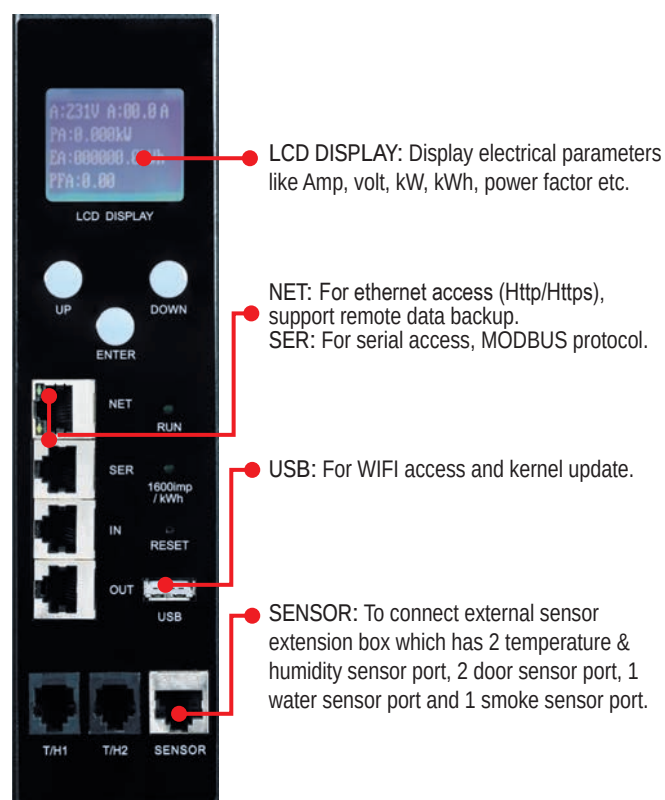
Power distribution unit - PDUs are electric power distribution systems which provide essential energy for ICT devices. PDUs also provide additional security with monitoring and managing the electric power conducted to the active devices.

IZP monitored PDU series provide energy consumption data and statistics of IT devices. Series also provide remote portbased turn on/off feature.

Integrated DCIM software can perform customer-based invoicing depending on monitored power consumption statistics.

Lande PDU series support environmental monitoring features once connected to external sensors such as: temperature, humidity, door and leak sensors.

Main functions	Product series	
	IZP series (monitored)	YNP series (managed)
Accurate measurement of total energy consumption	✓	✓
Total working voltage metering	✓	✓
Total load current metering	✓	✓
Total power metering	✓	✓
Power factor monitoring	✓	✓
Temperature & humidity monitoring	✓	✓
Outlet current metering		✓
Outlet power metering		✓
Threshold setting of outlet current		✓
Accurate measurement of outlet energy consumption		✓
Outlet switching		✓
Delay setting for outlet sequential switching		✓

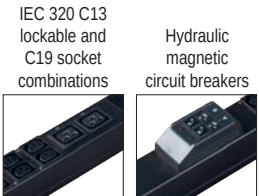


Data Center Cabinets

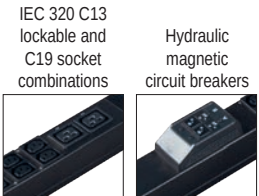
Power Distribution Units (PDU)



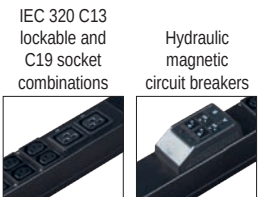
Product Code	Series	Product Description
LN-PRZ-AMP-DM24-IE	Multimeter Display PDU	24xIEC 320 (20xC13 + 4xC19) socket PDU with multimeter display, ZeroU, aluminium profile frame, 2x16A MCB, 8000 Watt, 250V AC, 3x6.0mm², 3m cord with IEC 60309 plug (32A 2P+E), CE mark, locking on sockets standard on both C13 and C19. Along with multimeter display other metering functions are added, V, A, W, kW, PF, temperature probe and sensing, total operating time.



Product Code	Series	Product Description
LN-PRZ-IZP-DM24-IE	Monitored PDU	24xIEC 320 (20xC13 + 4xC19) socket, monitored IP PDU with LCD Display, ZeroU, metal body, 2pcs 1P 16A hydraulic circuit breaker, 8000 Watt, 250V AC, 3x6.0mm², 3m cord with IEC 60309 plug (32A 2P+E), CE mark, daisy-chain function up to 1 master 4 slave units, remote monitoring port, PDU based monitoring.



Product Code	Series	Product Description
LN-PRZ-IZP-DM42-IE	Monitored PDU	42xIEC 320 (36xC13 + 6xC19) socket, monitored IP PDU with LCD Display, ZeroU, metal body, 2pcs 1P 16A hydraulic circuit breaker, 8000 Watt, 250V AC, 3x6.0mm², 3m cord with IEC 60309 plug (32A 2P+E), CE mark, daisy-chain function up to 1 master 4 slave units, remote monitoring port, PDU based monitoring.



Product Code	Series	Product Description
LN-PRZ-YNP-DM24-IE	Managed intelligent PDU	24xIEC 320 (20xC13 + 4xC19) socket, managed IP PDU with LCD Display, ZeroU, metal body, 2 pcs 1P 16A hydraulic circuit breaker, 8000 Watt, 250V AC, 3x6.0mm², 3m cord with IEC 60309 plug (32A 2P+E), CE mark, daisy-chain function up to 1 master 4 slave units, Remote Monitoring port, outlet based monitoring and remote switch on/off function per socket or group of sockets



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