LCS³

TECHNICAL DATA SHEET
SERVER CABINET

DATA CENTER
LOCAL AREA NETWORK

THE GLOBAL SPECIALIST
IN ELECTRICAL AND DIGITAL BUILDING INFRASTRUCTURES

L⁊ legrand®

LCS³
3 DIMENSIONS OF EXCELLENCE
● PERFORMANCE ● SCALABILITY ● EFFICIENCY

The **LCS3 server cabinets** are perfectly suited for the installation of (blade) servers, switches, patch panels, routers and storage equipment. The cabinets are used to bring together IT equipment and the corresponding cables neatly in one place. The server cabinets have everything to facilitate this in the best energy efficient and modular way. The cabinets are widely applicable and modular in structure. What type of cabinet is most suitable depends highly on its application. The server cabinets can be configured in varying heights, widths and depths.

BENEFITS OF SERVER CABINETS
■ Premium quality cabinet system for on-premise, colocation and hyperscale datacenters
■ Demountable aluminum frame for reduced weight at maximum strength
■ Superb for (High Density) servers, storage and network equipment
■ Highly energy efficient due to best in class airflow management
■ Accessories compatible between server and cabling cabinets

The **LCS3 server cabinets** are available in various types. **A standard version or a version with airflow package.**

AIRFLOW MANAGEMENT
Airflow management is the efficient guidance of the various airflows in data centers to keep the cold and hot air separated optimally. To optimize that cooling process, air leakage and recirculation must be minimized by using an airflow management package. Airflow management packages consist of a plate on the bottom, top, left and right. The airflow management package enables an air tight adjustability in the depth direction of 150 mm.

GENERAL FEATURES		
General:		
	Server cabinets delivered without side panels	
	Server cabinets with airflow management are supplied with an airflow management package keeping the loss of air to a minimum, thus improving energy efficiency	
	Server cabinets with airflow management are supplied with side skirt with cutouts and panels.	
	all the cabinets are equipped with leveling feet	
Colour	RAL 9005 (black)	
Static load capacity	kg	1500
Earthing	Fully earthed with central earthing point	
IP grade	IP20	
Dimensions:		
Height	U	42 or 47
Height	mm	1978 or 2200
Width	mm	600 or 800
Depth	mm	1000 or 1200
Interior:		
19-inch profiles	pcs	4 • steel, powder coated
Adjustability (depth)	Stepless adjustability with depth marking	
Adjustability (width)	Stepless adjustability	
U marking	1st U at bottom	
Distance to the cabinet with airflow front	Set to 80 mm (pitch set to 100 mm)	
Distance to the cabinet front	Set to 175 mm (pitch set to 100 mm)	
Frame:		
Material	Aluminium extrusions	
Finishing	Powder coated	
Front/rear closure:		
Front door	80% perforated single front door	
Rear door	80% perforated double rear door	
Security	2-Points Fix-Easy swivel handle with an EK-333 cylinder lock	
Material	Steel	
Finishing	Powder coated	
Hinges	Easily reversable and fast placement • Max. rotation degree 260°	
Roof:		
Modularity	Modular inserts per 100 mm	
Inserts:	3 Cut outs: the left and right has blind plates and brushes. The center cut out has a blind plate.	

LCS3 19"
server cabinets
General features

TOP
- A solid platform for installing top-of-cabinet infrastructure.
- Cut-aways as wide as possible, left and right.
- Optimum accessibility for cabling.
- Optimum positioning for PDUs – suitable for plugs of up to 32A.
- Cable strain relief available.
- Roof panels in multiples of 100 mm.

FRAME
- Light but sturdy aluminium frame with a maximum static load capacity of 1500 kg.
- Offers a unique degree of flexibility: the unit is continuously adjustable in all three dimensions.
- Rails adjustable with screws to allow continuously variable depth, width and height (e.g. for cable management).
- Integrated T-slots allow continuously variable depth and height adjustment (e.g. adjustable vertical rail with screws).
- Upgrade the energy efficiency with an airflow package. (To be added at a later stage.)
- Easy to install because all the accessories and components are accessible from inside the cabinet.
- Vertical cable managers with PDU mounting capabilities.

80% PERFORATED DOOR
- Single front door and split back door with Fix Easy locking.
- Predefined position for identification. (Place serial numbers, barcodes or QR codes here to encode and personalise your cabinets.)
- Clean, minimalist design.
- The door is simple to fit.
- Suitable for various types of locks.
- Door can easily be switched round (opening from the left or right).
- Door opens to 165° when cabinets are connected together.
- Door opens to 260° when cabinets are stand-alone.
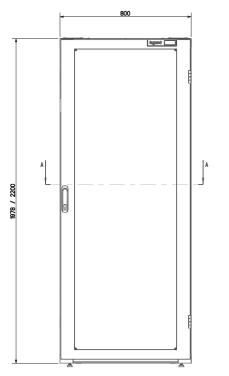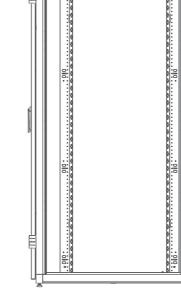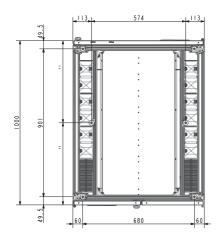- Complete integration of the locking mechanism and the cabling (when intelligent locks are used).
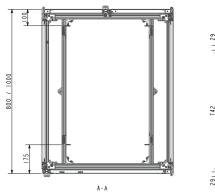
Depth marking placed on depth profiles
Stepless adjustability in depth direction

Standard server cabinets
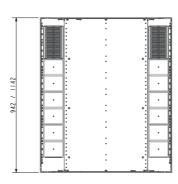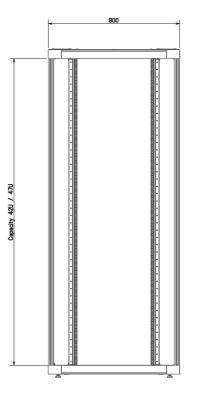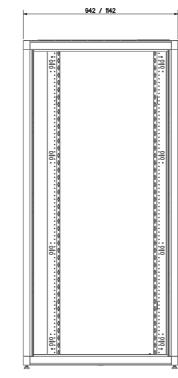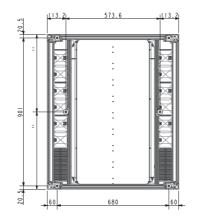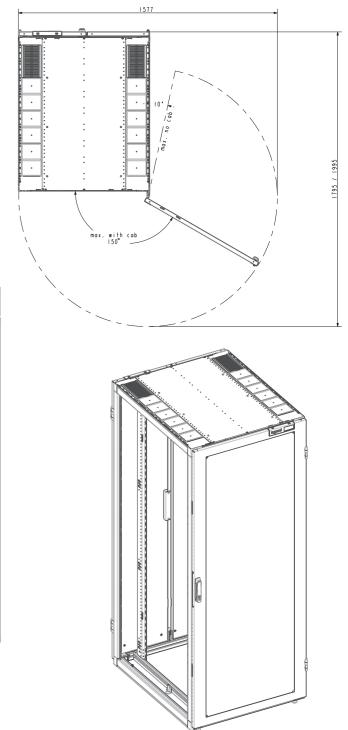
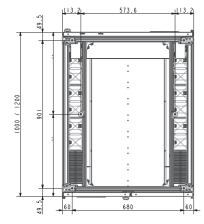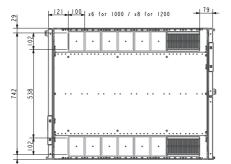| Height	Widht (mm)	Depth (mm)	Black (RAL 9005)
42 U	600	1000	446400
		1200	446401
	800	1000	446402
		1200	446403
47 U	600	1000	446404
		1200	446405
	800	1000	446406
		1200	446407
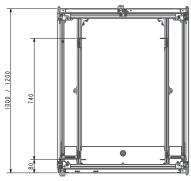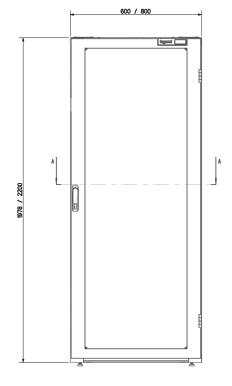
Server cabinets with airflow management
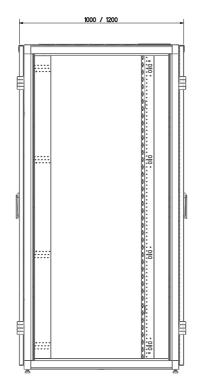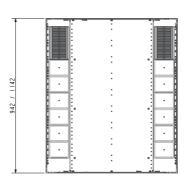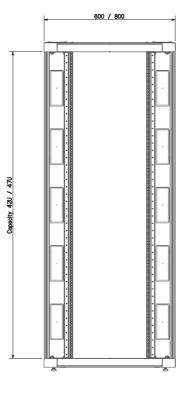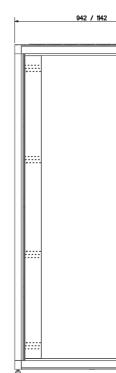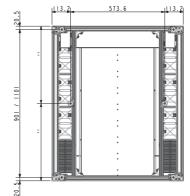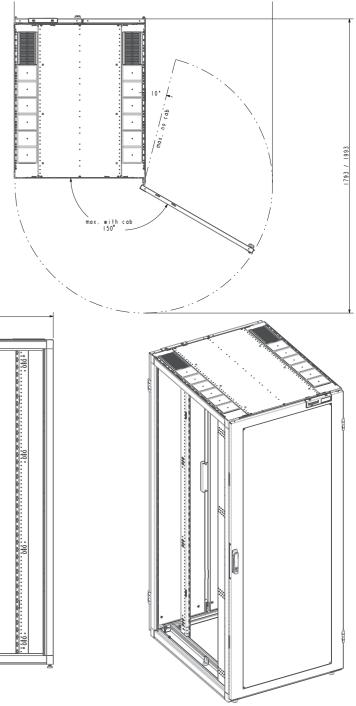
Height	Widht (mm)	Depth (mm)	Black (RAL 9005)
42 U	600	1000	446410
	600	1200	446411
	800	1000	446412
	800	1200	446413
47 U	600	1000	446414
	600	1200	446415
	800	1000	446416
	800	1200	446417

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