

EUROLAN

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Eurolan Data Center Cabinet Solutions



Copper




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Home



19" cabinets



Eurolan Data Center Cabinet Solutions are your choice to optimize the data center. This innovative and proven design allows you to achieve all of your data center objectives. Eurolan's solutions allow you to achieve utilization of space within your data center. Eurolan thermal management technologies allows you to isolate hot and cold air aisle to meet the needs of any data center projects.



Rackcenter Floor Standing Cabinets



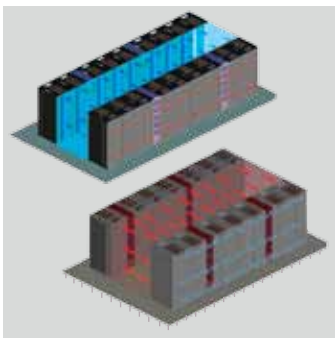
Eurolan Rackcenter cabinets are an ideal solution for DPCs: load up to 1200 kg, welded frame, perforation 80 %.



Side-panel closed-cycle cooling systems enable the removal of up to 30 kW of heat energy from the cabinet space.



Welded cabinet frame: essential for reliability and high operational performance.



In-row conditioning systems are used both directly for cooling and to increase cooling capacity provided through cool corridor insulation. They can manage a heat load of up to 30 kW.

Rackcenter cabinet coding								
60	X	-	XX	-	XX	-	XX	XX
60	Patch cabinets							
	X	Product type						
			Floor standing cabinet					F
			Accessories					A
		XX	Cabinet height (U)					
			42U					42
			47U					47
			XX	Dimensions in plan				
				600 × 1000 mm				6A
				600 × 1200 mm				6C
				800 × 1000 mm				8B
				800 × 1200 mm				8C
				XX	Cabinet design features			
					Cabinet IP55 with base 100 mm			95
					Cabinet IP55 without base			96
					Cabinet IP20 with base 100 mm			98
					Cabinet IP20 without base			99
					XX	Case Case Colour		
						Light grey RAL 7035		GY
						Black RAL 9005		BL
60	X	-	XX	-	XX	-	XX	XX



GY – light grey RAL 7035



BL – black RAL 9005

Rackcenter Floor Standing Cabinets



60F-42-6A-99BL



60F-42-6A-95GY

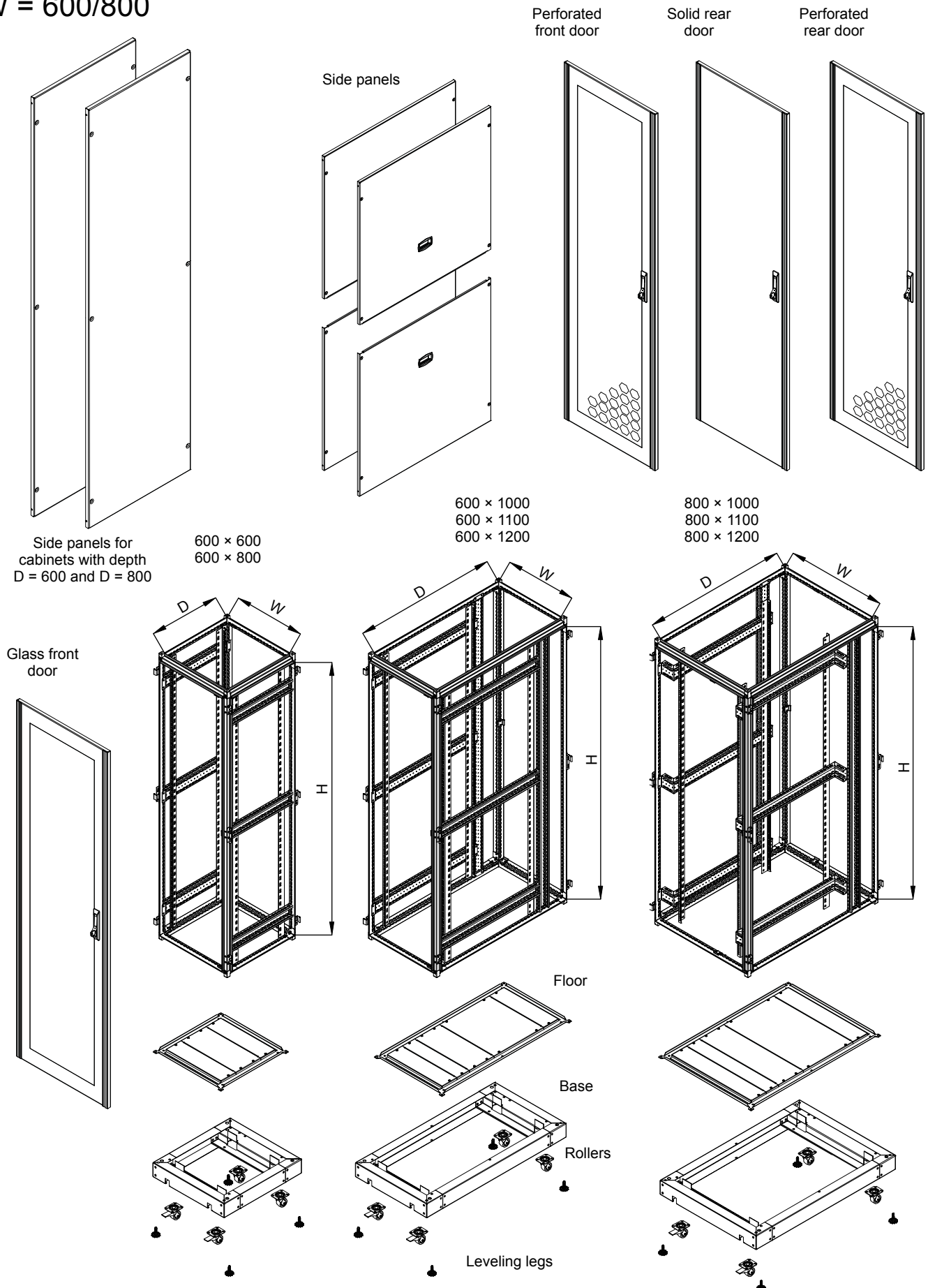
Specification

- Base dimensions (W × D)
600 × 1000 mm
600 × 1200 mm
800 × 1000 mm
800 × 1200 mm
- Height, U
42U
47U
- Load up to 1200 kg
- Protection degree (IP codes) IP20, IP55
- Front door
For IP20 – perforated (63 % or 80 %) metal, three-point lock
For IP55 – glass, with sealing
Door hinge 130°
The door is reversible for left or right opening and can be easily removed if necessary
- Side panels all-metal, removable, fixed by latching and lock
- Rear door
For IP20 – perforated (63 % or 80 %) metal, three-point lock
For IP55 – all-metal, with sealing
Door hinge 130°
- Upper panel perforated, fan modules are mounted at the inner side of the cover
- Base 100 mm is provided together with the cabinet or separately
- 19" rails Zinc-coated steel, two pairs, easily depth-adjustable, numbered units
- Cable entry
From below through detachable panels in cabinet bottom
From above 5 entries
- Frame and all removable components are provided with grounding clamp
Grounding cords are included in the standard delivery set
- Coating powder paint over phosphate primed surface
- Colour Light grey RAL 7035, Black RAL 9005
- Delivery: assembled, in a cardboard box
- Delivery set
1 welded frame
2 pairs of 19" guiding rails
1 forward door with perforation 63 % (glass door with sealing for IP55)
1 rear door with perforation 63 % (all-metal door with sealing for IP55)
2 locks with three-point closure
2 side panels
1 upper panel
4 detachable panels at cabinet base, grounding contacts at each panel
4 leveling legs
- Cabinet case materials 1.5 mm
19" mounting rails 1.5 mm
doors 2.0 mm
perforated panels 1.2 mm
side panels 1.5 mm
upper panel 1.5 mm
base 2.0 mm
detachable panels in cabinet base 1.2 mm
glass 4.0 mm for IP55
- Warranty 5 years

Rackcenter Floor Standing Cabinets

D = 600/800/1000/1100/1200

W = 600/800



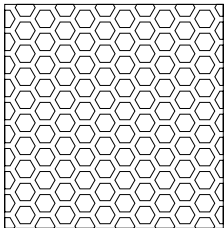
Rackcenter Floor Standing Cabinets



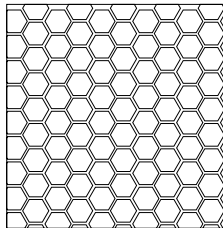
View of frame element



View of cabinet base with detachable panels



Perforation 63 %



Perforation 80 %

Order example

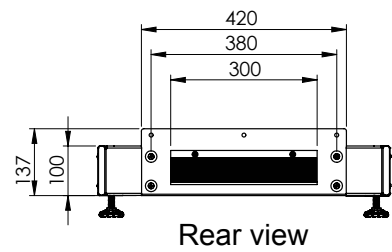
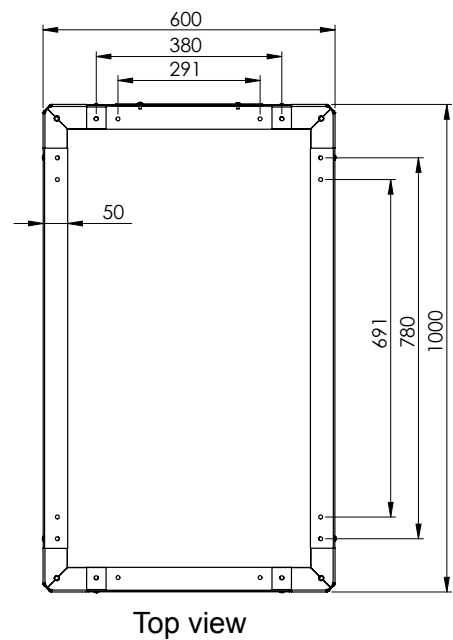
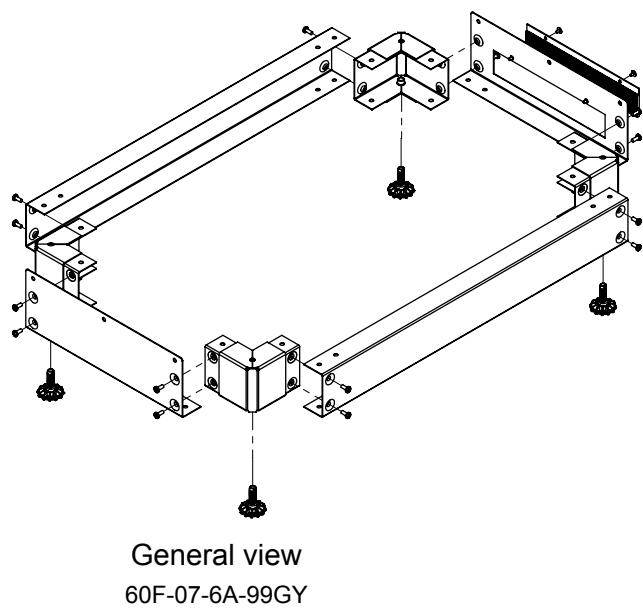
Product Code		Description
Cabinets IP20		
1	60F-42-6A-99GY	Eurolan Rackcenter cabinet 600 × 1000 × 42U
2	60F-42-6C-99GY	Eurolan Rackcenter cabinet, 600 × 1200 × 42U
3	60F-47-6A-99GY	Eurolan Rackcenter cabinet, 600 × 1000 × 47U
4	60F-47-6C-99GY	Eurolan Rackcenter cabinet, 600 × 1200 × 47U
5	60F-42-8A-99GY	Eurolan Rackcenter cabinet, 800 × 1000 × 42U
6	60F-42-8C-99GY	Eurolan Rackcenter cabinet, 800 × 1200 × 42U
7	60F-47-8A-99GY	Eurolan Rackcenter cabinet, 800 × 1000 × 47U
8	60F-47-8C-99GY	Eurolan Rackcenter cabinet, 800 × 1200 × 47U
Cabinets IP55		
	60F-42-6A-96GY	Eurolan Rackcenter cabinet, 600 × 1000 × 42U, IP55
	60F-42-6C-96GY	Eurolan Rackcenter cabinet, 600 × 1200 × 42U, IP55
	60F-47-6A-96GY	Eurolan Rackcenter cabinet, 600 × 1000 × 47U, IP55
	60F-47-6C-96GY	Eurolan Rackcenter cabinet, 600 × 1200 × 47U, IP55
	60F-42-8A-96GY	Eurolan Rackcenter cabinet, 800 × 1000 × 42U, IP55
	60F-42-8C-96GY	Eurolan Rackcenter cabinet, 800 × 1200 × 42U, IP55
	60F-47-8A-96GY	Eurolan Rackcenter cabinet, 800 × 1000 × 47U, IP55
	60F-47-8C-96GY	Eurolan Rackcenter cabinet, 800 × 1200 × 47U, IP55

Rackcenter Floor Standing Cabinets

Base

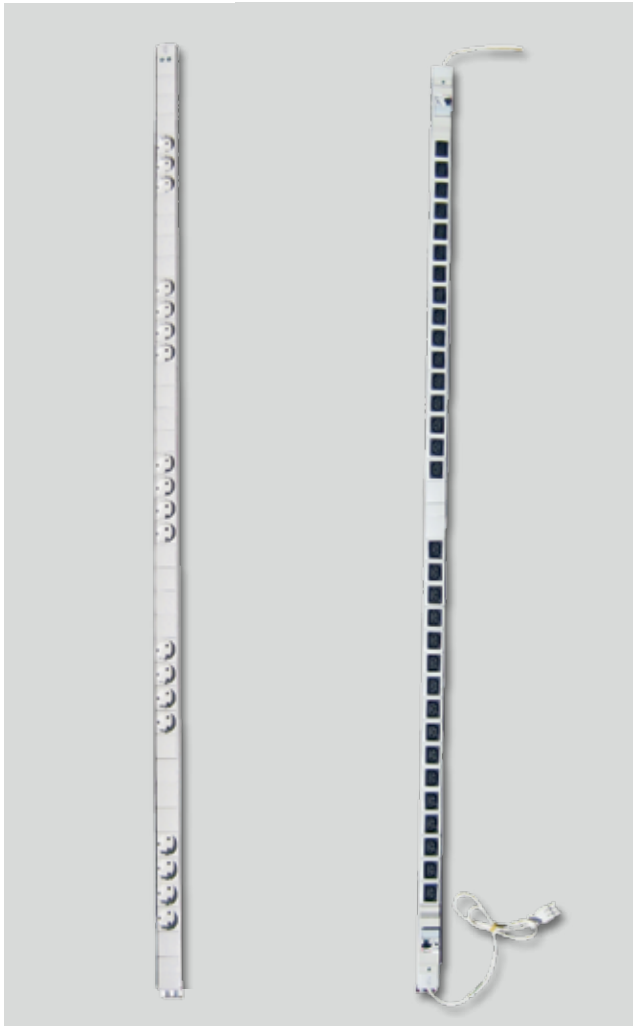
- Specification**
- Height 100 mm
 - Material: steel 2.0 mm
 - Delivery: with kit of 4 rollers

Product Code		Description
1	60F-07-6A-99GY	Eurolan Rackcenter base, 600 × 1000, with 4 rollers kit
2	60F-07-6C-99GY	Eurolan Rackcenter base, 600 × 1200, with 4 rollers kit
3	60F-07-8A-99GY	Eurolan Rackcenter base, 800 × 1000, with 4 rollers kit
4	60F-07-8C-99GY	Eurolan Rackcenter base, 800 × 1200, with 4 rollers kit



Rackcenter Floor Standing Cabinets

Vertical Power Outlet Panels



60A-63-41-18GY
60A-63-44-18GY



View of two power outlet panels from the cabinet rear side

Specification

- Height
42U
47U
- Width 1U
- Rated output voltage 250 V
- Maximum total current load per phase 16 A
- Number of circles 2×16 A
- Outlet types Europlug Shuko, IEC 320 C13
- Outlets electrical connection IEC 320 C13 is made with IDC technology
- Number of outlets 18 or 32 (in two groups by 9 or 16)
- Input connection type connector IEC 320 C20
- Power cord 2.0 m, $3 \times 1.5 \text{ mm}^2$
- Material: Aluminium and plastic of flammability classification V0
- Colour light grey RAL 7032
- Delivery: Individual package

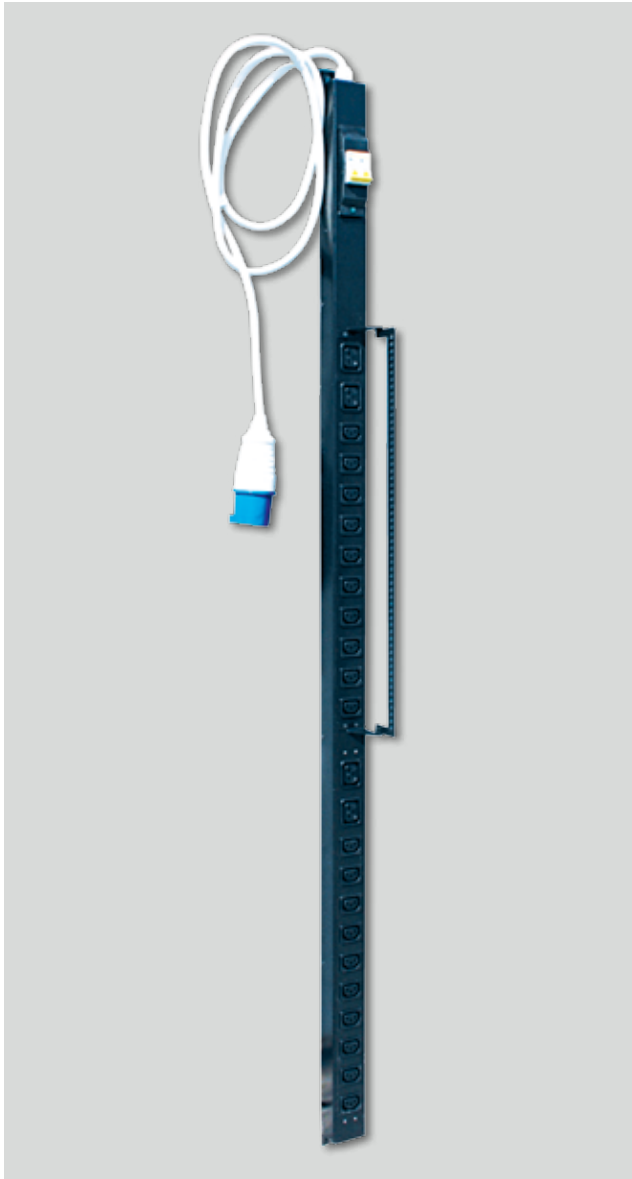
Delivery set variants

- Power and connection polarity indication
- Overcurrent protection Legrand automatic circuit breaker
- Leak current protection and Legrand current protective cutout device
- Power cords with connectors IEC 309 16A 2P+E
- Power cords with connectors Gezis GST18i3 Wieland, plug and socket

	Product Code	Description
1	60A-63-41-18GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 18 outlets Shuko with power indication
2	60A-63-42-18GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 18 outlets Shuko with overcurrent protection
3	60A-63-44-18GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 18 outlets IEC320 C13 with power indication
4	60A-63-45-18GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 18 outlets IEC320 C13 with overcurrent protection
5	60A-63-41-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets Shuko with power indication
6	60A-63-42-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets Shuko with overcurrent protection
7	60A-63-43-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets Shuko with leak current and overcurrent protection
8	60A-63-44-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets IEC320 C13 with power indication
9	60A-63-45-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets IEC320 C13 with overcurrent protection
10	60A-63-46-32GY	Eurolan power outlet panel, 2 circuits, 2×16 A, 32 outlets IEC320 C13 with leak current and overcurrent protection

Rackcenter Floor Standing Cabinets

Power Outlet Panel, 24 outlets, 32 A



60A-63-15-24BL

Specification

- Dimensions (W × D × H) 44 × 80 × 1592 mm (36U)
- Fixing point dimension 1620 mm
- Rated output voltage 230 V
- Maximum total current load per phase 32 A
- Circuit number 1 × 32 A
- Number of outlets 24
- Outlet types
20 pcs IEC 320 C13
4 pcs IEC320 C19
- Type of input connector IEC 309 32 A 2P+E (it is possible to supply power cord without connector)
- Power cord 3 × 2.5 mm²
- Power cord length 3.0 m
- Brackets in the delivery kit
- Material: Aluminium and plastic of flammability classification V0
- Colour light grey RAL 7032 or black RAL 9005
- Delivery: Individual package

Product Code		Description
1	60A-63-15-24GY	Eurolan outlet panels 1 × 32A, 24 outlets, IEC 320 C13 20 pcs and IEC 320 C19 4 pcs
2	60A-63-15-24BL	Eurolan outlet panels 1 × 32A, 24 outlets, IEC 320 C13 20 pcs and IEC 320 C19 4 pcs



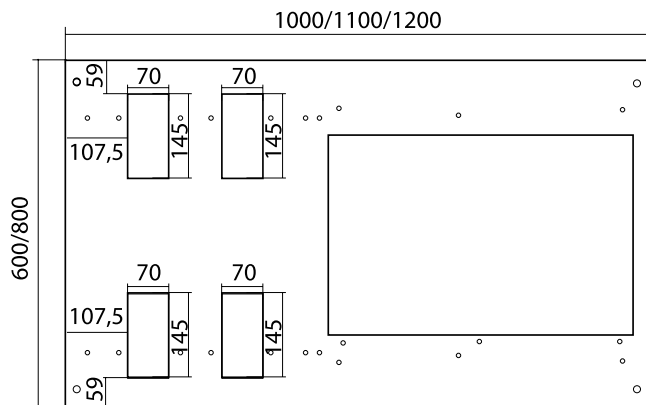
60A-63-15-24BL

Rackcenter Floor Standing Cabinets

Cable Trays



View of upper panel with cable trays and front panel



Drawing of cabinet upper panel with holes for cable entries and fan panel

They are intended to lay cables from above along cabinet rows.

Specification

- Mounting on the upper panel
- Material Zinc-coated steel
- Separated laying of information and power cables
- Useful space of cable tray 600 × 200 mm for cable laying width 600 mm, depth 150 mm, height 80 mm
- Useful space of cable tray 800 × 200 mm for cable laying width 800 mm, depth 150 mm, height 80 mm

Product Code		Description	Dimensions (W × H), mm
1	60A-20-61-01GY	Eurolan cable tray for upper panel 600 × 120	600 × 120
2	60A-20-81-01GY	Eurolan cable tray for upper panel 800 × 120	800 × 120
3	60A-20-62-01GY	Eurolan cable tray for upper panel 600 × 200	600 × 200
4	60A-20-82-01GY	Eurolan cable tray for upper panel 800 × 200	800 × 200
5	60A-20-61-02GY	Eurolan front panel 600 × 120	600 × 120
6	60A-20-82-02GY	Eurolan front panel 800 × 120	800 × 120

Rackcenter Floor Standing Cabinets

Plastic Cable Management Ring for Rackcenter Cabinets



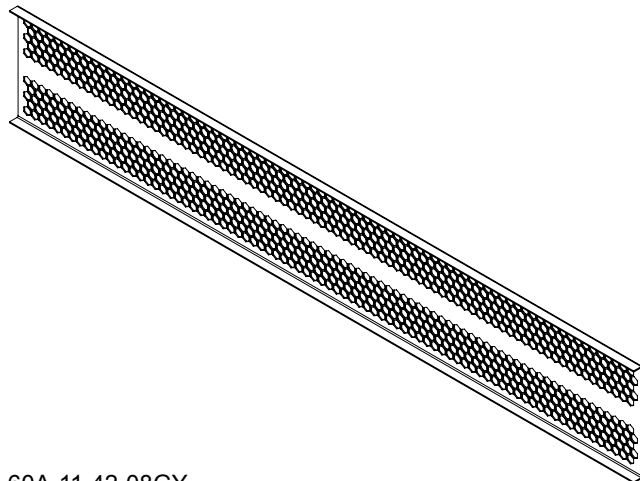
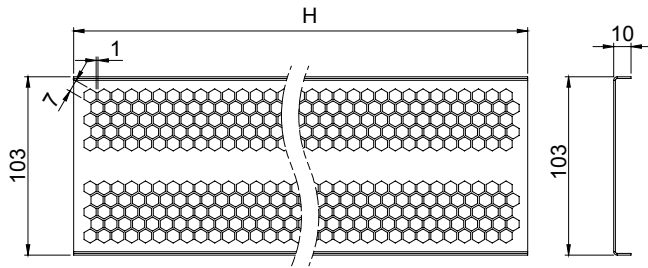
60A-19-02BL

Specification

- It is intended to organise vertical and horizontal sections of cables and patch cords in Rackcenter cabinets
- Material: plastic
- Colour Black
- Mounting Fixing in perforation elements of Rackcenter cabinet case frame
- Screws are not required
- Dimensions (W × H) 100 × 46 mm
- Capacity 40 4-pair UTP cables

Product Code		Description
1	1 60A-19-03BL	Plastic cable management ring for Rackcenter cabinets

Vertical Trays



60A-11-42-08GY

They are intended to organise cables along cabinet.

Specification

- Material: Zinc-coated steel
- Perforation for ventilation and easy cable attachment
- Location along all cabinet length

Product Code		Description	Dimensions (W × D × H), mm
1	60A-11-42-08GY	Eurolan vertical tray, 42U	10 × 103 × 1813
2	60A-11-47-08GY	Eurolan vertical tray, 47U	10 × 103 × 2000

Rackcenter Floor Standing Cabinets

In-row Conditioning Systems



60F-95-42-xxBL
and 60F-42-6A-99BL

Operating principle of in-row conditioning systems. In-row conditioning systems are used both directly for cooling and to increase cooling capacity provided to the cool corridor. Variant with water cooling increases total cooling effectiveness and can easily manage a heat load up to 30 kW.

Specification

- Dimensions (W × D × H) 300 × 1200 × 42U
- Located between racks
- Heat interception right at hot corridor and cool air distribution along cold corridor
- Water cooling
- Cooling capacity 12 kW, 20 kW, 30 kW
- Modular design enables an increase of cooling capacity as the need arises
- Easy to mount and maintain
- May be integrated with control system

Product Code		Description
1	60F-95-42-12BL	Eurolan Rackcenter water-air in-row open-loop conditioning system, 12 kW, 230/1/50-60, 42U 300 × 1200 RAL 9005
2	60F-95-42-20BL	Eurolan Rackcenter water-air in-row open-loop conditioning system, 20 kW, 230/1/50-60, 42U 300 × 1200 RAL 9005
3	60F-95-42-30BL	Eurolan Rackcenter water-air in-row open-loop conditioning system, 30 kW, 230/1/50-60, 42U 300 × 1200 RAL 9005

Rackcenter Floor Standing Cabinets

“Hot” Corridor Isolation Systems



“Hot” Corridor System

View of Hot Corridor Isolation System.

The system enables the isolation of hot air exhausted from equipment within “hot” corridor. In this case hot air does not mix with cold air. Hot air is cooled by in-row conditioning systems and then is supplied into “cold” corridor.

Specification

- Prevents hot and cold air mixing
- Increased cooling efficiency
- Consists of roof and door system
- Roof dimensions (W × D) 1200 × 600 or 1200 × 800 mm
- Door system dimensions (W × H) 1200 × 2000 mm
- Automatic or manual door opening
- May be integrated with control system

Materials

- Roof: transparent polycarbonate in metal frame
- Door system: impact resistant glass in metal frame

Product Code		Description
1	60A-51-6C-99BL	Eurolan Rackcenter “hot” corridor roof 1200 × 600 mm
2	60A-51-8C-99BL	Eurolan Rackcenter “hot” corridor roof 1200 × 800 mm
3	60A-52-01-99BL	Eurolan Rackcenter “hot” corridor door system 1200 × 2000 mm, automatic, combination lock from outside, button from inside
4	60A-52-02-99BL	Eurolan Rackcenter “hot” corridor door system 1200 × 2000 mm, automatic, button from outside, button from inside
5	60A-52-03-99BL	Eurolan Rackcenter “hot” corridor door system 1200 × 2000 mm, manual

Rackcenter Floor Standing Cabinets

Side Closed-Loop Conditioning Systems

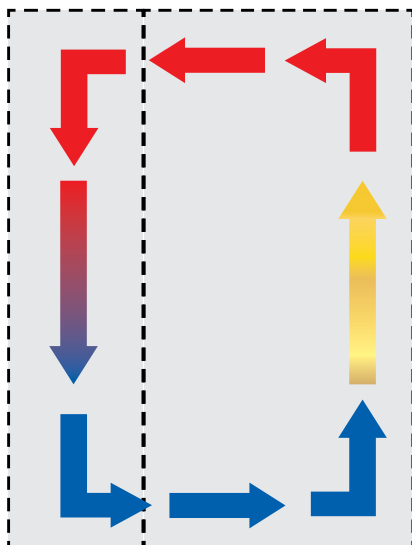


60F-42-6C-98BL with side cooler
60F-96-42-12BL

Used where compact blade servers with high heat release result in hot areas which cannot be cooled by standard means or the use of special measures such as "cold" corridors. The ideal solution for such hot areas is cooling right in the rack with the use of Eurolan in-row water-air close-loop conditioning systems.

Specification

- Dimensions (W × D × H) 300 × 1200 × 42U
- Located between racks
- Closed system IP55 preventing mixing of rack hot air with outside cold air
- Water cooling
- Complete prevention of heat build up
- Cooling capacity 12 kW, 20 kW, 30 kW
- Modular design enables an increase of cooling capacity as the need arises
- Easy to mount and maintain
- May be integrated with control system

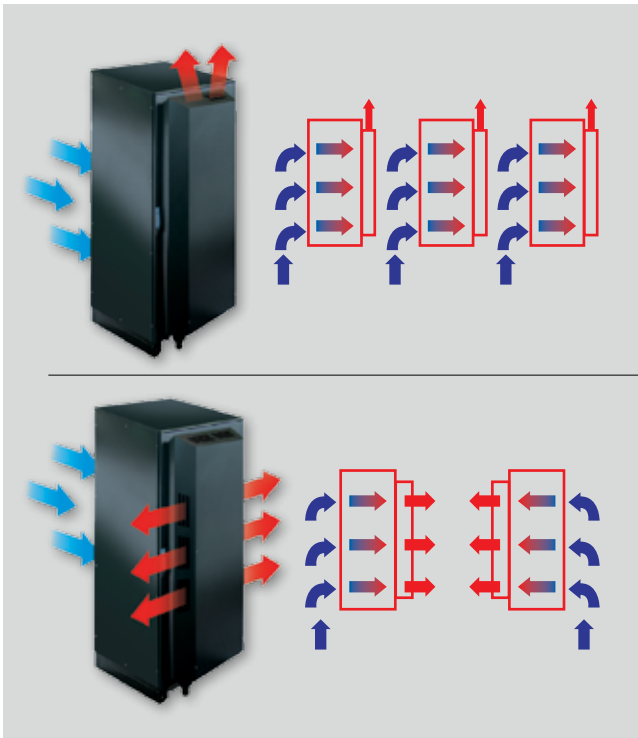


Operational principle of side closed-loop conditioning system

Product Code		Description
1	60F-96-42-12BL	Eurolan Rackcenter water-air in-row close-loop conditioning system, 12 kW, 230/1/50-60, 42U 300 × 1200, colour RAL 9005
2	60F-96-42-20BL	Eurolan Rackcenter water-air in-row close-loop conditioning system, 20 kW, 230/1/50-60, 42U 300 × 1200, colour RAL 9005
3	60F-96-42-30BL	Eurolan Rackcenter water-air in-row close-loop conditioning system, 30 kW, 230/1/50-60, 42U 300 × 1200, colour RAL 9005

Rackcenter Floor Standing Cabinets

Hot Air Removal System



Operating principle of hot air removal system

The hot air removal system is a compact device increasing air flow and is intended to be mounted at the rear panel of a Rackcenter server cabinet. It guarantees optimal air flow through the servers in volumes up to 3000 m³/h.

The device is available in two versions depending on the features of the mounting device in the DPCs. If there are “hot” and “cold” air corridors, hot air from the servers is directed backward, into the “hot” corridor; but in DPCs where the servers are mounted side by side hot air is directed upwards. In this case it prevents dangerous hot and cold air mixing around the installed servers. In turn this enables a significant increase in efficiency and reliability of the DPC cooling system.

Specification

- Mounting on rear door, does not occupy additional U
- Cooling capacity 10 kW
- Provided air flow 3000 m³/h
- Fan speed is selected on the basis of required cooling
- Air flow direction backward or upward

Product Code		Description
1	60F-92-42-99GY	Eurolan Rackcenter rear door hot air removal device, 10 kW, 230/1/50-60, 3000 m³/h

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