

EDGE-3 Soundproof MDC

Arguably the best all round performing air-cooled soundproof MDC ready in the world, the EDGE-3 replaces the need for a dedicated server/communications room. Only requiring less than 1m² of valuable office/floor space, the EDGE-3 allows localized, on premise computing in populated or more sensitive locations, especially ones where there might be a concern of server noise being a distraction or exceeding safety guidelines.

Capable of housing full depth, high heat load servers, the EDGE-3 is easy to deploy and simple to set-up. Most importantly, it incorporates the latest technologies for real time environmental and security monitoring using the EMS (Edge Management System). The EDGE-3 effortlessly removes sound and heat, while stylishly blending into office and working environments. The 42U cabinet removes up to 28.5dBA (99.9%) of IT noise, essentially reducing server noise down to a whisper. The soundproof material used to achieve this sound dampening is fire retardant and rated to class "0".

The Edge Management System EMS controls up to 2x EC Fans, and monitors the environmental status of the cabinet with up to 4 temperature and humidity sensors which can report and alarm if over threshold is reached. Additional contact sensors can be used to notify of door access. Alerts are displayed on a easy to view Webui, with SNMP trap send (v1, v2 and v3) available to send out data and alarms. The EDGE-3 can also support up to 2 USB cameras (sold separately), working in conjunction with the contact sensors to trigger either photo or video capture. Advanced configurations are available for enhanced levels of security and redundancy.



Typical Applications Include:

- Offices and Meeting Rooms
- Hallways and Closets
- Banks
- Hospitals and Medical Offices
- Manufacturing Plants
- Laboratories
- Schools
- Hotels
- Studios
- Libraries

Save Money, Time and Space:

- Cost-effective and Green
- No need for a dedicated server room
- Innovative airflow design means you can dissipate up to 11.5kW of heat with no special cooling requirements
- Easy to deploy
- Delivery to site is as easy as plug-and-play
- Easily relocatable to another room or building



USystems
A brand of **legrand**

EDGE-3				
General		12U	24U	42U
Order Code — 100 to 115v	Black	110-E3U-12-15AF-BLK	110-E3U-24-15AF-BLK	110-E3U-42-15AF-BLK
Order Code — 200 to 240v	Black	110-E3U-12-24AF-BLK	110-E3U-24-24AF-BLK	110-E3U-42-24AF-BLK
H x W x D	mm	720 x 780 x 1100	1254 x 780 x 1100	2054 x 780 x 1100
Weight (Cabinet)	kg/lbs	140 / 308	204 / 449	328 / 723
Weight (300mm Extension Frame)	kg/lbs	23 / 51	33 / 73	47 / 104
Dynamic load	kg/lbs	750/1653		
*inclusive of cabinet weight				
Static load	kg/lbs	750/1653 (on Casters)		
*inclusive of cabinet weight				
**Index of Protection		IP44 - Upgrade to IP54 available		
Noise reduction of IT noise	dBA	28.5dBA (99%)		
Paint finish	Black	Black RAL 9005 - Textured - Fine Structure		
Frame material	mm	1.5mm CR4 steel		
Passive and active doors material	mm	1.0mm, 1.2 & 2.0 mm CR4 steel		
Top Cover material	mm	1.2mm CR4 steel		
Mounting angles material	mm	2.0mm CR4 steel		
Foam	mm	Fire Retardant (Class "0" rated)		
19" Rail Depth (Standard 1100 Deep)	mm	720mm (centers) - Max 750mm with Finger Managers/865mm without Finger Managers		
19" Rail Depth (with 300mm depth extension kit installed)	mm	720mm (centers) - Max 750mm with Finger Managers/865mm without Finger Managers		
		Max kit depth: 1070mm with Finger Managers/1185mm without Finger Managers		
Intelligence				
Monitoring Function	On touch			
Touch Screen LCD display	Color Alarm - Shows temperature & humidity, contact sensors			
EC Fan Control	Up to 2 - 2 set fan curves and custom option			
Temp + Humidity	Up to 4 sensors			
Door Status	Up to 6 dry contacts			
Alarming	SMTP & LCD Display alarms			
Reporting	Local reporting - Alarms, Fan Speed, Temperature/Humidity , Contact sensor and Camera			
Alerts	Notify when service or filter is due			
Connectivity	SNMP V1 , V2 & V3 out			
Cooling Capacity		12U	24U	42U
Max. Thermal Load	kW	11.5	11.5	11.5
Fan Type / Duty		Backward curve EC Fan / Min speed 7% 20watts—Max speed 100% 340watts		
Cooling Type		Air Cooled		
Air cooling capacity 230V	kW	6.2	10.5	11.5
Air cooling capacity 115V	kW	6	9	10

*Dynamic Load Rating is the total rolling mass of the rack and includes the rack frame, cladding and any fitted equipment and accessories and is subject to the load being evenly distributed at 20U height and below. Dynamic load relates to the movement of a rack within the same data center on a smooth floor clear of any obstacles. Not suitable for transportation on a vehicle when loaded to this weight. **This figure will be affected if the filter is not fitted/regularly maintained

Materials and finish

Frame

Extruded aluminium

AirTech, Airtach Wardrobe and V Doors

1.0mm, 1.2 & 2.0mm CR4 steel

Side Panels

1.0mm & 1.2mm CR4 Steel

Top Cover

1.2mm CR4 Steel

Mounting Angles

2.0mm CR4 Steel

Infills for 800w

1.5mm CR4 Steel

Standards

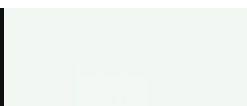
ANSI/EIA-310-E

IEC 60297-2

DIN EN 60297-3-100



Black - Fine Structure
RAL 9005
Standard Color

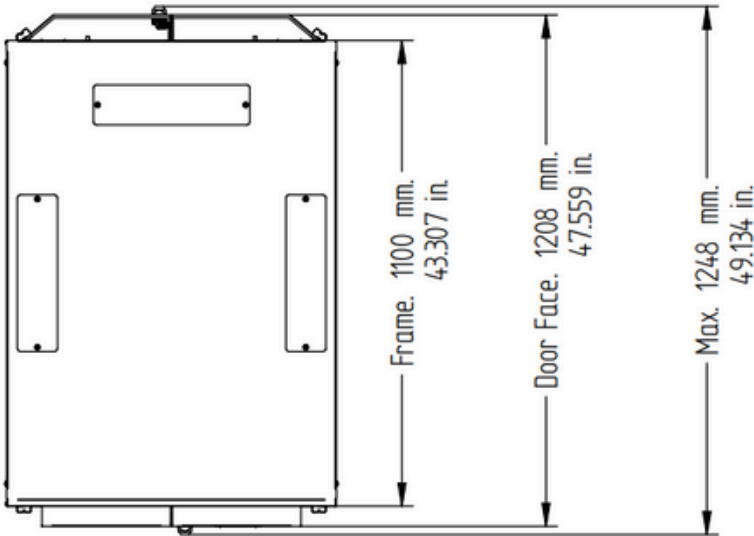


White - Fine Structure
RAL 9003
Optional color,
extended lead time

Textured - Fine Structure

(Other colour and texture options are available on request)

Drawing



Frame Height	12u	24u	42u
A (mm.)	619	1153	1953
A (in.)	24.370	45.394	76.890

Max. Height	12u	24u	42u
B (mm.)	720	1254	2054
B (in.)	28.346	49.370	80.866

