

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/comms room and only requires less than 1m² of valuable office/floor space, allowing localised on premise computing in populated or more sensitive locations - especially where there might be a concern of server noise being a distraction or exceeding EEC working noise guidelines.

Capable of housing full depth high heat load servers, the EDGE-3 is easy to deploy, simple to set-up and most importantly, the EDGE-3 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 the working environment. The 42U cabinet removes up to 28.5dBA (99.9%) of IT noise, which is tech terms for saying that it will reduce server noise down to a whisper, the soundproof material used to achieve this is fire retardant and rated to class "0".

Edge Management System EMS controlling up to 2x EC Fans and the environmental status of the cabinet with up to 4 temperature and humidity sensors which report and alarm if over threshold is reached. Additional contact sensors to notify of door access. Displayed on a easy to view Webui with SNMP trap send, V1, 2 and 3 available to send out data and alarms. Up to 2 USB cameras working in conjunction with the contact sensors to trigger either photo or video capture is also available.

Advanced configurations are available for enhanced levels of security and redundancy.



Typical Applications

- Offices and Meeting Rooms
- Hallways and Cupboards
- Banks
- Hospitals and GP's
- Manufacturing Plants
- Laboratories
- Schools
- Hotels
- Studios
- Libraries

Save Money, Time and Space

- Cost Effective and Green
- No need for dedicated comms room
- Innovative air-flow design means you can dissipate up to 11.5kW of heat extraction with no special cooling requirements
- Easy to deploy
- With our exclusive ramp solution, delivery to site is as easy as plug and play
- Expandable
- Deploy another EDGE-3 when required
- Easy to relocate to another room or building

USystems
A brand of  **legrand**

EDGE-3				
General		12U	24U	42U
Order Code — 100 to 115v	Black	E3B-1211-15	E3B-2411-15	E3B-4211-15
Order Code — 200 to 240v	Black	E3B-1211-24	E3B-2411-24	E3B-4211-24
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 Castors)		
*inclusive of cabinet weight		1500/3307 (on Levelling Feet)		
**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 Centres—Max 750mm with Finger Managers or 865mm no Finger Managers		
19" Rail Depth (Extended 1400 Deep)	mm	720mm Centres—Max 750mm with Finger Managers or 865mm no Finger Managers		
		Max kit depth 1070mm with Finger Managers or 1185mm no Finger Managers		
Intelligence				
Monitoring Function		On touch		
Touch Screen LCD display		Colour 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 centre 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 and cladding

1.0mm, 1.2mm, 1.5mm and 2mm CR4 Steel

Mounting Angles

2.0mm CR4 Steel

Passive and active doors

1.2mm, 1.5mm and 2mm CR4 Steel

Standards

ANSI/EIA-310-E
IEC 60297-2
DIN EN 60297-3-100

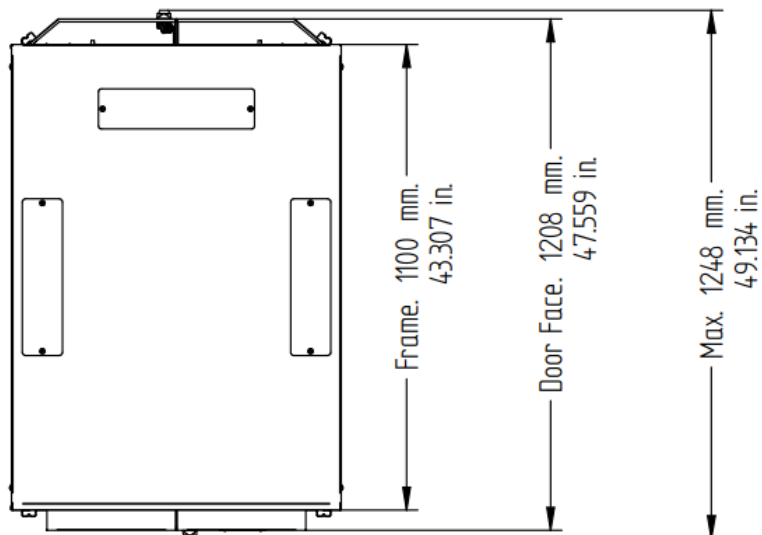
Foam
Class "O" Fire retardent



Black - Fine Structure
RAL 9005
Standard

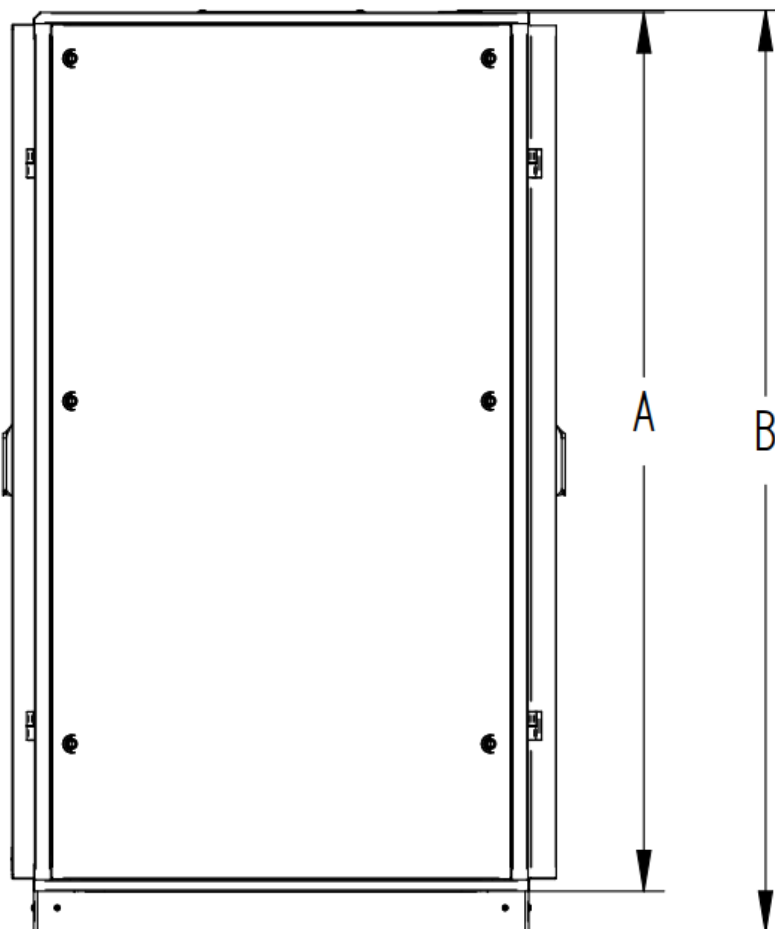
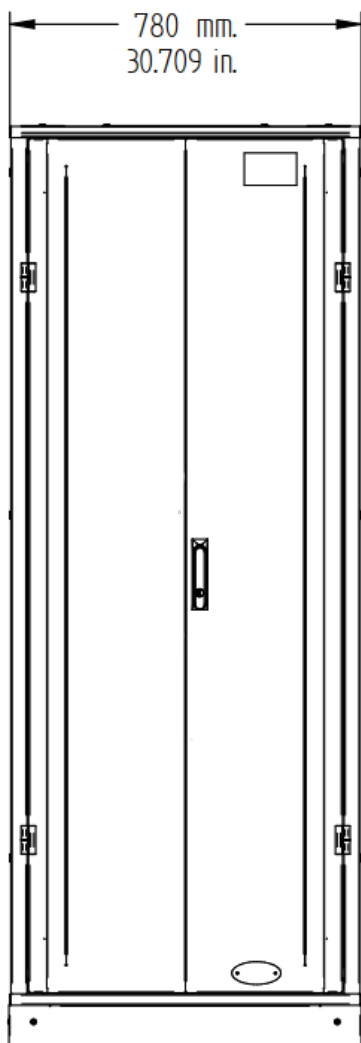
Textured - Fine Structure

(Other colour and texture options are available on request)



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





Contact Details

Europe

Systems House,
235 Ampthill Road
Bedford,
MK42 9QG, UK

T: +44 (0) 1234 761 720
E: uk-bed-sm-sales@legrand.com

North America

USystems Inc
260 East Main Street
Suite 6413, Rochester
NY 14604 USA

T: 585-432-0393
E: uk-bed-sm-sales@legrand.com

Further Documentation

For additional information, please refer to the below. Available through your USystems representative, or our central enquires line at sales@usystems.com

Complete Product Range
Operations and Maintenance Manual
Troubleshooting Guide
Product Brochure

Available at www.usystems.com
Please contact uk-bed-sm-sales@legrand.com
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