

# 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 room and only requires less than 1m<sup>2</sup> 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 breaching EEC working noise guidelines.

Capable of housing full depth high heat load servers, the EDGE-3 is easy to deploy and simple to set-up and most importantly, the EDGE-3 incorporates the latest technologies for real time environmental and security monitoring. The EDGE 3 effortlessly removes sound and heat, while stylishly blending into the working environment. The 42U cabinet effectively removes up to 28.5dBA (99.9%) of IT noise, which is tech speak 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".

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
- Cool
- Innovative air-flow design means you can dissipate up to 12kW of heat 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
- Portable
- Easy to relocate to another room or building

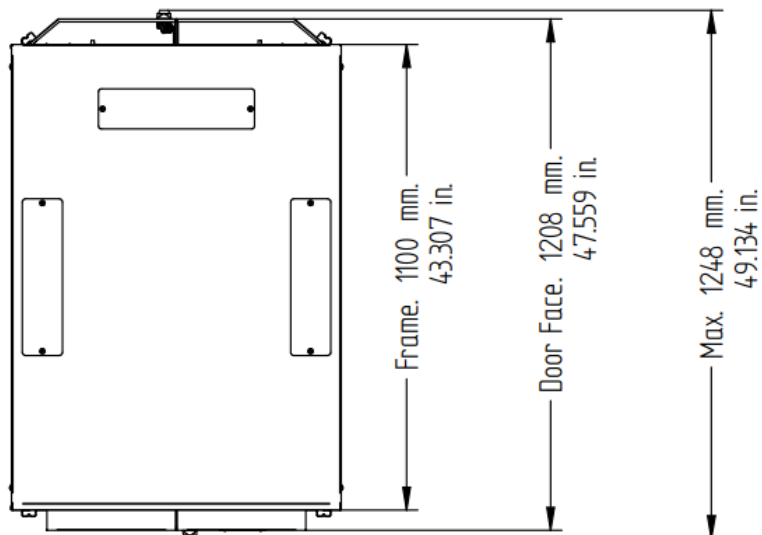
**USystems**  
A brand of  **legrand**

# Technical Data

EDGE-3				
General		12U	24U	42U
Order Code — 100 to 115v	Light Grey	E3G-1211-15	E3G-2411-15	E3G-4211-15
	Black	E3B-1211-15	E3B-2411-15	E3B-4211-15
Order Code — 200 to 240v	Light Grey	E3G-1211-24	E3G-2411-24	E3G-4211-24
	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	Light Grey	Semi Gloss powder coat - Light Grey RAL 7035		
	Black	Semi Gloss powder coat - Black RAL 9005		
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	12	12	12
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

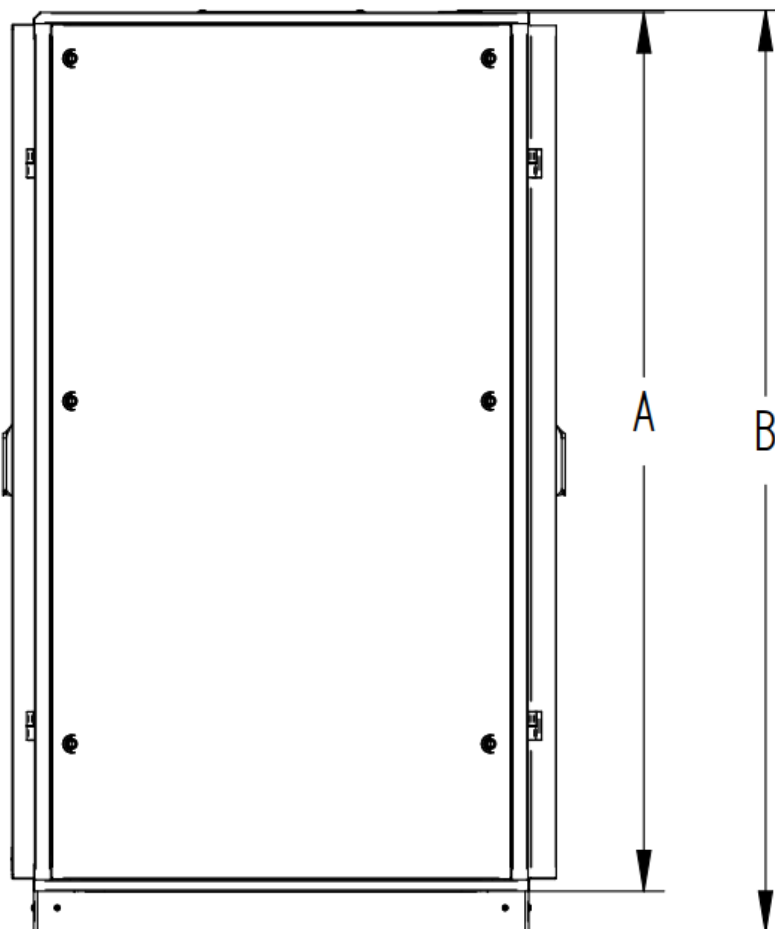
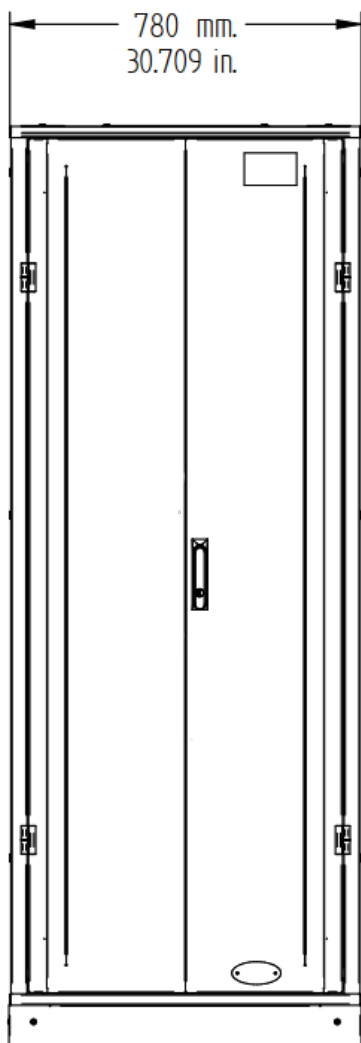
\*Dynamic Load Rating is the total rolling mass of the rack and includes the rack frame, cladding and any fitted equipment and accessories and is subject to the load being evenly distributed at 20U height and below. Dynamic load relates to the movement of a rack within the same data centre on a smooth 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



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





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## Further Documentation

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

Complete Product Range  
Operations and Maintenance Manual  
Troubleshooting Guide  
Product Brochure

Available at [www.usystems.com](http://www.usystems.com)  
Please contact [sales@usystems.com](mailto:sales@usystems.com)  
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