

UCoustic Soundproof Rack

The UCoustic Soundproof Rack delivers the ultimate combination of noise reduction and air-cooled thermal performance. It removes the needs for a costly comms room and can be used in any area including; offices, receptions, hallways, and cupboards, without concern for noise or temperature issues. The UCoustic Rack acts as a 1m² server room and allows for a safe and secure deployment of IT equipment whenever and wherever it is needed, saving space, cost, and deployment time.

The UCoustic Soundproof Rack is available in 3 different heights, 780mm wide and 1100mm deep with the ability to increase the depth by 300mm with the extension frame. The active rack has two EC fans in the rear doors to deal with higher heat loads and to ensure maximum energy efficiency, they are controlled with variable fan speed controllers with a dedicated fan curve.



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 11.5kW 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 UCoustic when required
- Easy to relocate to another room or building

Technical Data

UCoustic				
General		12U	24U	42U
Order Code — 100 to 115v	Black	UCB-1211-15	UCB-2411-15	UCB-4211-15
Order Code — 200 to 240v	Black	UCB-1211-24	UCB-2411-24	UCB-4211-24
H x W x D	mm	720 x 780 x 1100	1254 x 780 x 1100	2054 x 780 x 1100
Weight (Rack)	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 Rack weight				
Static load	kg/lbs	750/1653 (on Castors)		
*inclusive of Rack weight		1500/3307 (on Levelling Feet)		
**Index of Protection		IP44 - Upgrade to IP54 available		
Noise reduction of IT noise	dB	28.5dB (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		
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

Passive and active doors

1.2mm, 1.5mm and 2mm CR4 Steel

Foam

Class "O" Fire retardent

Mounting Angles

2.0mm CR4 Steel

Standards

ANSI/EIA-310-E

IEC 60297-2

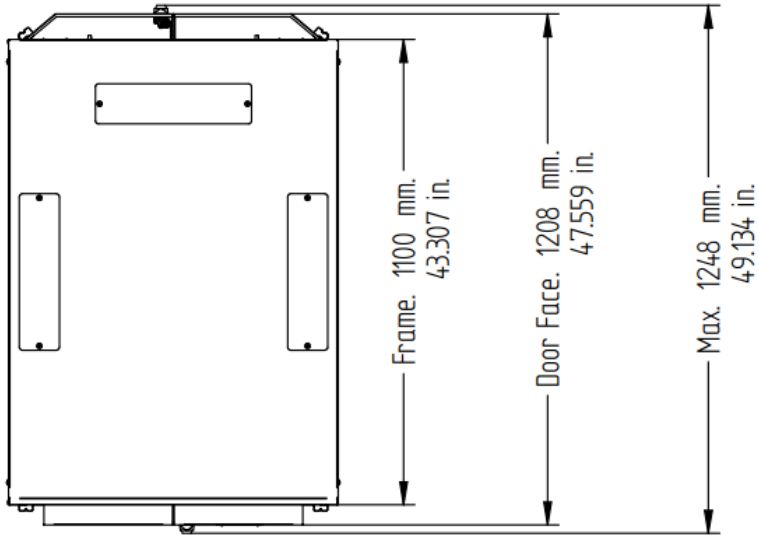
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Black - Fine Structure
RAL 9005
Standard

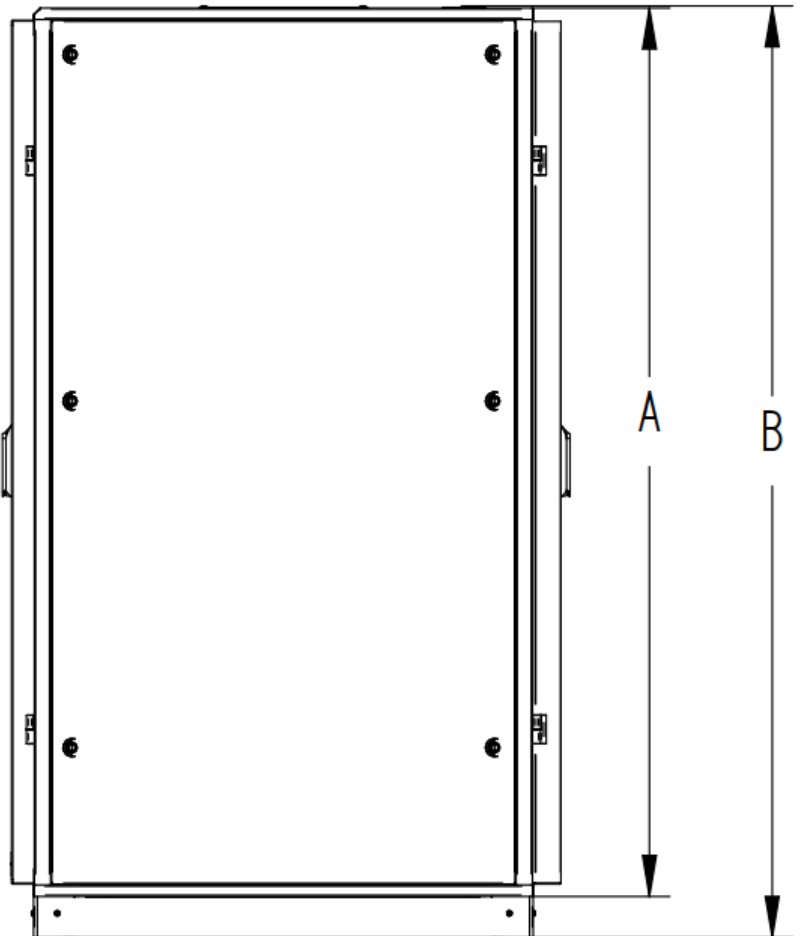
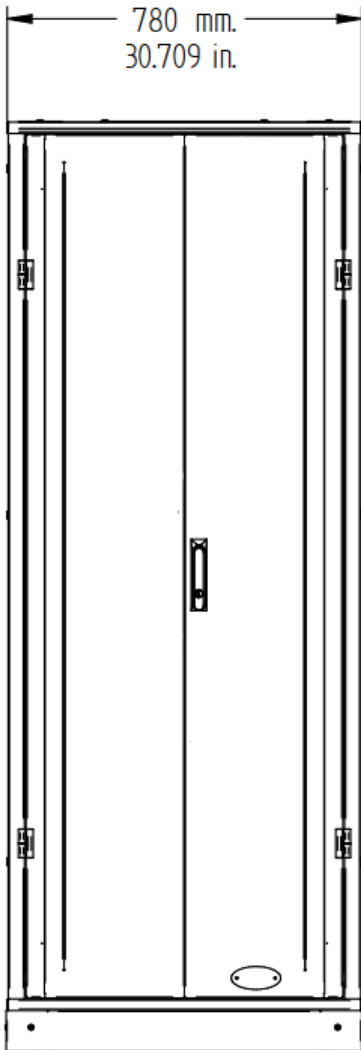
Textured - Fine Structure

(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





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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

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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