

# 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 server room and can be used in a variety of environments, including offices, reception areas, and hallways and closets, without concern for noise or temperature issues. The UCoustic Rack acts as a 1m<sup>2</sup> server room and allows for a safe and secure deployment of IT equipment whenever and wherever it is needed, saving space, cost, and time.

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

## 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**

UCoustic				
General		12U	24U	42U
Order Code — 100 to 115v	Black	110-UCU-12-15AF-BLK	110-UCU-24-15AF-BLK	110-UCU-42-15AF-BLK
Order Code — 200 to 240v	Black	110-UCU-12-24AF-BLK	110-UCU-24-24AF-BLK	110-UCU-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 (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 Casters)		
*inclusive of Rack weight		1500/3307 (on Leveling 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 (centers) - Max 750mm with Finger Managers/865mm without Finger Managers		
19” Rail Depth (Extended 1400 Deep)	mm	720mm (centers) - Max 750mm with Finger Managers/865mm without Finger Managers		
		Max kit depth: 1070mm with Finger Managers/1185mm without 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 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 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

## Standards

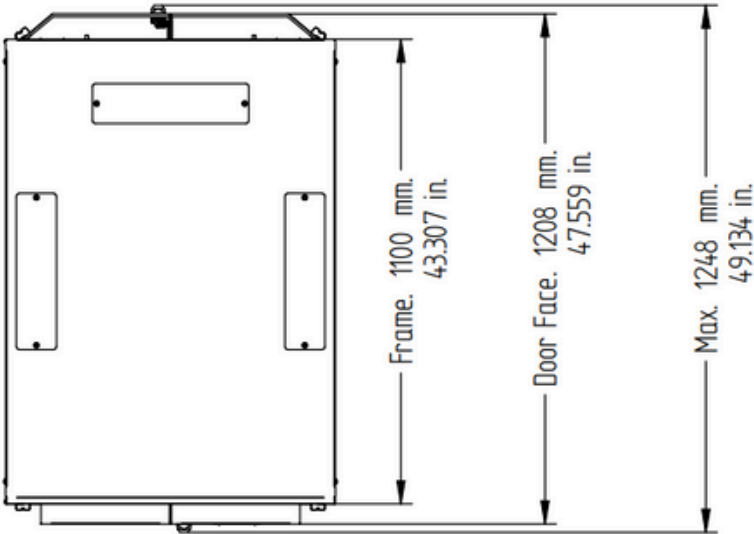
ANSI/EIA-310-E  
IEC 60297-2  
DIN EN 60297-3-100



Black - Fine Structure  
RAL 9005  
Standard Color

**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

