

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 1m² 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 

| 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 | | 1500/3307 (on Leveling Feet) | | |
| 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 "O" 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 retardant

Standards

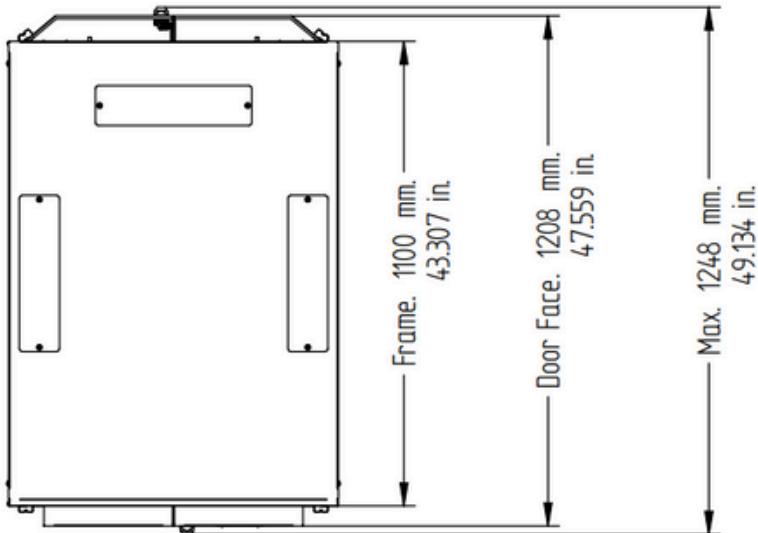
ANSI/EIA-310-E
IEC 60297-2
DIN EN 60297-3-100



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 |

