15U Orion Acoustic Rack
AR15U-6 and AR15U-8

Air-Cooled Acoustic Server Rack Enclosure

Orion's Acoustic Rack provides a cost effective solution for noisy servers and network equipment in a wide range of heights and depths. These Orion Quiet Racks are competitively priced and deliver a surprisingly effective noise reduction performance.

Additional attractions of the Orion range are dust filtering as standard (IP54) as well as the wide choice of sizes. Optional glass 'window' in the front door is also available across the Orion range for a small additional charge.

All Orion Acoustic Cabinets come with inbuilt quiet fans (4 fan unit for 9U to 24U Racks, 6 fan unit for racks of 27U+).

24U Rear View

Front View

Specifications

Physical Rack Capacity: 15 x EIA 1¾"/ 44.5 mm rack spaces; 4-post rack, fully EIA-compliant, with adjustable front & rear mounting profiles

Noise Reduction: Approx. 16 dB(A)

Max. Recomm. Thermal Load: 2kW

Max. Equipment Weight: 400 Kg

External Dim. (HxWxD)**:** AR15U-6-8 920 x 600 x 800mm
AR15U-6-10 920 x 600 x 1000mm
AR15U-8-8 920 x 800 x 800mm
AR15U-8-10 920 x 800 x 1000mm

Max. Dist. Betw. Mounting Profiles: 630mm or 830mm
This dimension allows a minimum 50mm gap between the front blanking plate / equipment surface and the inner front door surface. This is recommended to allow for sufficient air-intake and, therefore, maximum cooling efficiency.

Max. Cabinet Depth: 630mm or 830mm
Measured from front blanking plate surface to inside of rear door

Thermal efficiency and acoustic performance is further improved by filling all gaps between equipment at the front of the cabinet with acoustically treated blanking plates as these reduce the re-circulation of warm air inside the cabinet.

Save Money	Green	Cool	Lockable	Soundproof	Easy to Deploy	Expandable	Portable
Removes need for dedicated server room	Efficient and energy responsible	Air-flow maximises thermal capacity	Prevent unauthorised access	Acoustic design minimises unwanted noise	Simple plug and play installation	Add more racks for extra capacity	Easy to move and relocate as required

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Noise of Cabinet Itself: The cabinet cooling fans operate at a noise level of 43.6 dB(A)

Noise Reduction: 16 dB(A) noise reduction

Thermal Load: The cabinet can dissipate up to 2kW of thermal energy, with assisted cooling provided by 4 x ultra quiet cooling fans. Wherever possible, we recommend that all gaps between equipment, at the front of the cabinet, are filled using sound-proofed blanking plates. This will reduce the re-circulation of warm air inside the cabinet, improving thermal performance, and further enhancing noise reduction. Acoustically treated blanking plates can be purchased, in 1, 2, 3, 4 and 5U sizes, as an optional accessory. Please ensure sufficient space is left at the point the air exits the cabinet to allow sufficient dissipation of heat. If you are unsure of how to do this please contact us for advice.

Fire Rating: Cabinet Acoustic Lining – BS 476, Part 7: Class 1, BS 476, Part 6 I<12, I(1) <6 (Class 'O' to Building Regulations)

Mobility: 4 x heavy duty castor-type wheels are supplied as standard. Both the front and rear wheels have 360° rotation for maximum mobility and the front wheels are lockable for securing in location.

Rear and Side Access: The front and rear doors and both side panels are easily removed for installation and maintenance access.

Security: The front and rear doors each have a barrel lock and both side panels are also fully lockable.

Cable Entry: Cables enter from the floor of the cabinet. The cable entry dimensions are 75 x 300mm. Brush Strip to reduce sound leakage.

Fan Unit Power: Power is supplied to the integrated exhaust fans by a standard UK 3-pin plug.

Grounding/Earthing: All equipment installed within the cabinet should have conventional grounding/earthing via power cables. The cabinet will also require additional grounding/earthing which we can supply as an extra accessory.

Dust-Filtering: A cleanable IP54 rated dust filter is included as standard.

Colour Options: Black as Standard. Any standard RAL Colour available at additional cost.

Cabinet Weight: Acoustic cabinets can be very heavy and you may need to check the load capacity of the floor before installation. We can supply a "Load Spreader Mat" as an optional accessory which may help if floor capacity is an issue.

Delivery: The cabinets are delivered assembled and ready to use. The cabinet will be delivered to the kerbside only. However additional levels of delivery are available upon request. Please speak to us for advice on the most suitable delivery option.

Warranty: All racks include 12 months full manufacturers' warranty against defective workmanship & faulty components. We can provide an extended warranty as part of our ProTECHt™ offer. Please ask us about taking advantage of this.

Best Advice	Best Choice	Price/Purchase Guarantee	Free Demonstration	Great Service
Free consultation with the independent experts - we cut through maufacturers' jargon because we have comparatively tested all of the racks we sell	We supply the widest range of racks from the leading quiet rack manufacturers	We always offer best price, plus, in the unlikely event you are unhappy with a rack bought from us based on our advice, you can upgrade to the next more powerful solution*	Acoustic racks are not just about decibels. We explain how each cabinet performs, or you can visit our demo room and hear for yourself	We supply and deliver your quiet cabinet in a smooth fashion and provide outstanding ongoing support for your quiet cabinet needs