



# MS NOISE ACOUSTIC RACK

## MS045-8-8 & MS045-8-10

### 45U MS Noise Acoustic Rack

#### MS045-8-8 & MS045-8-10

##### Air-Cooled Acoustic Server Rack Enclosure

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

Additional attractions of the Ms Noise 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 Ms Noise range for a small additional charge.

All Ms Noise Acoustic Cabinets come with inbuilt quiet fans (4 fan units for 9U to 24U Racks; 6 fan units for racks of 27U+).

#### Specifications

**Physical Rack Capacity:** 45 x EIA 1 $\frac{3}{4}$ " / 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:** 2.5kW

**Ext. Dim. (HxWxD):** MS045-8-8 2289 x 800 x 800mm  
MS045-8-10 2289 x 800 x 1000mm

**Max. Equipment Weight:** 400 Kg

**Max. Dist. Betw. Mounting Profiles:** MS045-8-8 630mm  
MS045-8-10 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:** MS045-8-8 630mm  
MS045-8-10 830mm





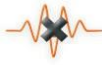



Measured from front blanking plate surface to inside of rear door



24U Rear View

Front View

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.

							
<b>Save Money</b> Removes need for dedicated server room	<b>Green</b> Efficient and energy responsible	<b>Cool</b> Air-flow maximizes thermal capacity	<b>Lockable</b> Prevent unauthorized access	<b>Soundproof</b> Acoustic design minimizes unwanted noise	<b>Easy to deploy</b> Simple plug and play installation	<b>Expandable</b> Add more racks for extra capacity	<b>Portable</b> Easy to move and relocate as required



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## MS045-8-8 & MS045-8-10

### Ms Noise Acoustic Rack 45U (MS045-8-8 and MS045-8-10) Air Cooled Acoustic Server Rack Enclosure

**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 2.5kW of thermal energy, with assisted cooling provided by 6 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.

**Color Options:** Black as Standard. Any standard RAL Color 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.

**Warranty:** All racks include 12 months full manufacturers' warranty against defective workmanship and faulty components.



Acoustic Front Baffle



Acoustic Rear Baffle



# MS NOISE ACOUSTIC RACK

## MS045-8-8 & MS045-8-10

### MS0 Range Accessories

**Description:**  
1U Adjustable Shelf (550-950mm)

**Product Code:**  
MSOETR



**Description:**  
Telescopic Shelf - 465x570mm

**Product Code:**  
MSOETT



**Description:**  
2U Cantilever Modem Shelf 400mm  
2U Cantilever Modem Shelf 300mm  
1U Cantilever Modem Shelf 300mm

**Product Code:**  
MSOETM1, MSOETM2,  
MSOETM3



**Description:**  
1U / 2U / 3U / 4U / 5U  
Blanking Panel

**Product Codes:**  
MSOCA1, MSOCA2, MSOCA3,  
MSOCA4, MSOCA5

