



MS Noise 9210 Active 12U Acoustic Rack

MSTCA-1292

Acoustic Comms Rack Enclosure with Assisted Cooling

The MSCT range of quiet rack enclosures has been designed to house noisy 19" rack-mounted equipment, such as servers, networking and audio equipment. By combining ultimate noise reduction with zero overheads and running costs, this range is a viable alternative to a costly dedicated comms room, by allowing the deployment of servers and network equipment directly in the office environment.

This range of quiet rack cabinets will reduce equipment noise to a level below that of background noise in an average office without talking, whilst providing a thermal load capacity of 1.75 to 2.75 kW (dependent upon model).

Also, the spacious internal dimensions provide ample room for orderly cable routing throughout the cabinets, with varied cable entry options to the bottom of the enclosure.

The inclusion of a washable dust-filter, promoting extended equipment life-span and reduced maintenance costs, is optional throughout the MSCT range.



Front View



Rear View

Specifications

Physical Rack Capacity: 12 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. 28 dB(A)

Max. Recomm. Thermal Load: Up to 7.2kW (24,580 BTU/hr)

Rack Weight: 118 Kg

External Dim (HxWxD): 716 x 780 x 1210mm

Max. Dist. Betw. Mounting Profiles: 750 mm

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: 850 mm

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
Removes need for dedicated server room



Green
Efficient and energy responsible



Cool
Air-flow maximizes thermal capacity



Lockable
Prevent unauthorized access



Soundproof
Acoustic design minimizes unwanted noise



Easy to deploy
Simple plug and play installation



Expandable
Add more racks for extra capacity



Portable
Easy to move and relocate as required



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Air Cooled Acoustic Server Rack Enclosure

Noise of cabinet itself: The cabinet cooling fans/blowers operate at a noise level between 44.9 and 51.7 dB(A). The thermostatically controlled co-axial fans will automatically adjust their rotation speed to remove the required level of heat from within the cabinet.

Noise Reduction: 28 dB(A) noise reduction.

Thermal Load: The cabinet can dissipate up to 7.2kW of thermal energy, with assisted cooling provided by two thermostatically controlled co-axial fans located in the rear doors. These maintain sufficient airflow through the enclosure, cooling the equipment, whilst optimizing the level of 'ambient' background noise the cabinet itself generates.

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: Acoustic foam FMVSS 302 – Pass. UL94: VO, Hf1.

Mobility: The cabinet is shipped with 4 x heavy duty castor-type wheels 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: All doors and both side panels are easily removed for installation and maintenance access.

Security: The front and rear doors each have one barrel lock and both side panels have two barrel locks each.

Cable Entry: Up to 6 cable entry points can be used. Cable entry dimensions are 330 x 75mm. 1 cable entry kit is supplied to be fitted where required. Up to 5 additional cable entry kits can be supplied. Please speak to us to arrange this.

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 dust-filter, made from a washable reticulated foam, is available as an optional accessory [Part code: UCDF12]. This is fixed to the air-intake.

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.





MSTC Range Accessories

Description:
12U / 24U / 42U
Dust Filter

Product Codes:
MSTC-DF12 / MSTC-DF24
/
MSTC-DF42



Description:
12U / 24U / 42U
Finger Cable Trunking

Product Codes:
MSTC-FCT12 / MSTC-
FCT24 /
MSTC-FCT42



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

Product Codes:
MSTC-BP-1U / MSTC-BP-
2U /
MSTC-BP-3U / MSTC-BP-
4U /
MSTC-BP-5U



Description:
266mm / 532mm
Tower Infill

Product Codes:
MSTC-TBP-266
MSTC-TBP-532



Description:
Plinth System

Product Code:
MSTC-PS



Description:
9210 Earthing Kit - 6
Leads

Product Code:
MSTC-EBK



Description:
Cable Entry Foam Block

Product Code:
MSTC-CEFB



Description:
Load Spreader 780 x
1100mm

Product Code:
MSTC-LSP

Awaiting Image

Description:
9210 Baying Kit

Product Code:
MSTC-BK



Description:
Heat Ducting Kit (Active
Only)

Product Code:
MSTC-HDK-RF (Retro Fit)
MSTC-HDK-FF (Factory
Fit)



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MS NOISE SOUNDPROOF CABINETS

MSTCA-1292



Description:
Foam Anti-Recirculation
Kit

Product Code:
MSTC-ARK



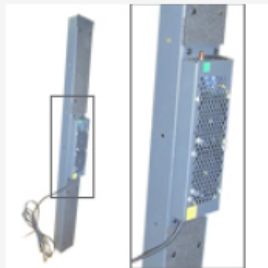
Description:
120mm Levelling Feet
(Set of Four)

Product Code:
MSTC-LF



Description:
12U / 24U / 42U Infill Side
Venting Kit

Product Codes:
MSTC-SVKI12 / MSTC-
SVKI24 /
MSTC-SVKI42



Description:
Fan Module for
Infill
Side Venting Kit

Product Code:
MSTC-SVKFM

Awaiting Image

Shelving:

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

Product Code:
MSTC-AS1U-B



Description:
Telescopic Shelf -
465x570mm

Product Code:
MSTC-TS465-570



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

Product Code:
MSTC2U-CS-400 / MSTC2U-CS-
300 / MSTC1U-CS-300



MS NOISE SOUNDPROOF CABINETS

MSTCA-1292



Static Support Rails :

Description:
Front Fixing - depth
740mm

Product Code:
MSTC-FFSSR-B



Description:
Side Fixing - depth
715mm

Product Code:
MSTC-SFSSR-B



Cable Management:

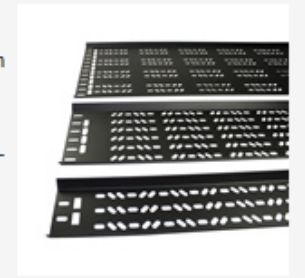
Description:
1U / 2U Horizontal 4 Ring
Cable Tidy

Product Code:
MSTC-CR1U-4 / MSTC-
CR2U-4



Description:
24U / 36U / 42U x 75mm
Cable Tidy

Product Code:
MSTC-CT24-75 / MSTC-
CT36-75 / MSTC-CT42-75



MS NOISE EUROPE & ASIA - MS NOISE - Building 4 ZAC des Vauguilletes - 1, bd () **12U, 24U & 42U Models**

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