

ZEN AT THE WORKPLACE



NC CABINET
*Available from
MFB & Authorised
Distributors*

Reduce the noise and make for a more comfortable working environment



www.mfb.com.au

NC CABINET (NOISE CONTROL)

This application is ideal in office environments with people working in close proximity to cabinets populated with servers, fans and UPS. The MFB NCC will reduce the noise and make for a more comfortable working environment.

This cabinet is not designed to be a sound proof booth.

It also is designed to remove excess heat generated by IT equipment within the cabinet. The dissipation of heat via fans also increases the level of sound within the cabinet, which needs to be managed.

Fan panels fitted to the 'sound attenuated' cabinet will be controlled via thermostats and speed controllers. This will allow the user to set the start temperature and speed of the fan panels, which also helps manage the noise level of the fan panels.

AUSTRALIAN MADE MADE IN AUSTRALIA



**VIC
NSW**

**P (03) 9801 1044
P (02) 9749 1922**

**F (03) 9801 1176
F (02) 9749 1987**

**E sales@mfb.com.au
E sydney@mfb.com.au**

**f Find us on
Facebook**

NC CABINET - FEATURES



Air Management

The prototype 'sound attenuated' cabinet only has a 3-fan panel. It is expected a 6-fan panel will also be created.

The air flow pathway is controlled eg. all air enters via the rear intake at floor level and all air exits via the fan box at the upper rear of the cabinet. The intake manifold in the base frame directs all air via the front of the 19" racking allowing the most efficient cooling of equipment.

The rear panel is fixed, as all cables enter the cabinet via the foam cable portal at rear of the cabinet.

For this reason the sides are removable. All panels, door etc close against a foam seal to reduce noise leakage.

The air intake manifold & fan box are also lined with foam & baffles to reduce sound leakage from within the cabinet.

With a three fan, fan unit the air flow is rated at 200CFM

Sound Attenuation Achieved

We tested an average sound attenuation of 20dB across the audible sound spectrum.

Equipment fans create most noise primarily within the 800 – 8kHz range. This is the range where the 'sound attenuated' cabinet performs best eg up to 30dB sound attenuation within that range.

Cabinet Available Sizes (Height x Width x Depth)

27RU x 800mm x 800mm
27RU x 800mm x 1000mm
42RU x 800mm x 800mm
42RU x 800mm x 1000mm

