



ACOUSTIC SOLUTION SYSTEM

For Wall/Cupboard Mounted MRXBOX95-WHI MVHR Units

Installation and Maintenance

CE The EMC Directive 2004/108/EC
The Low Voltage Directive 2006/95/EC

INDOOR USE ONLY

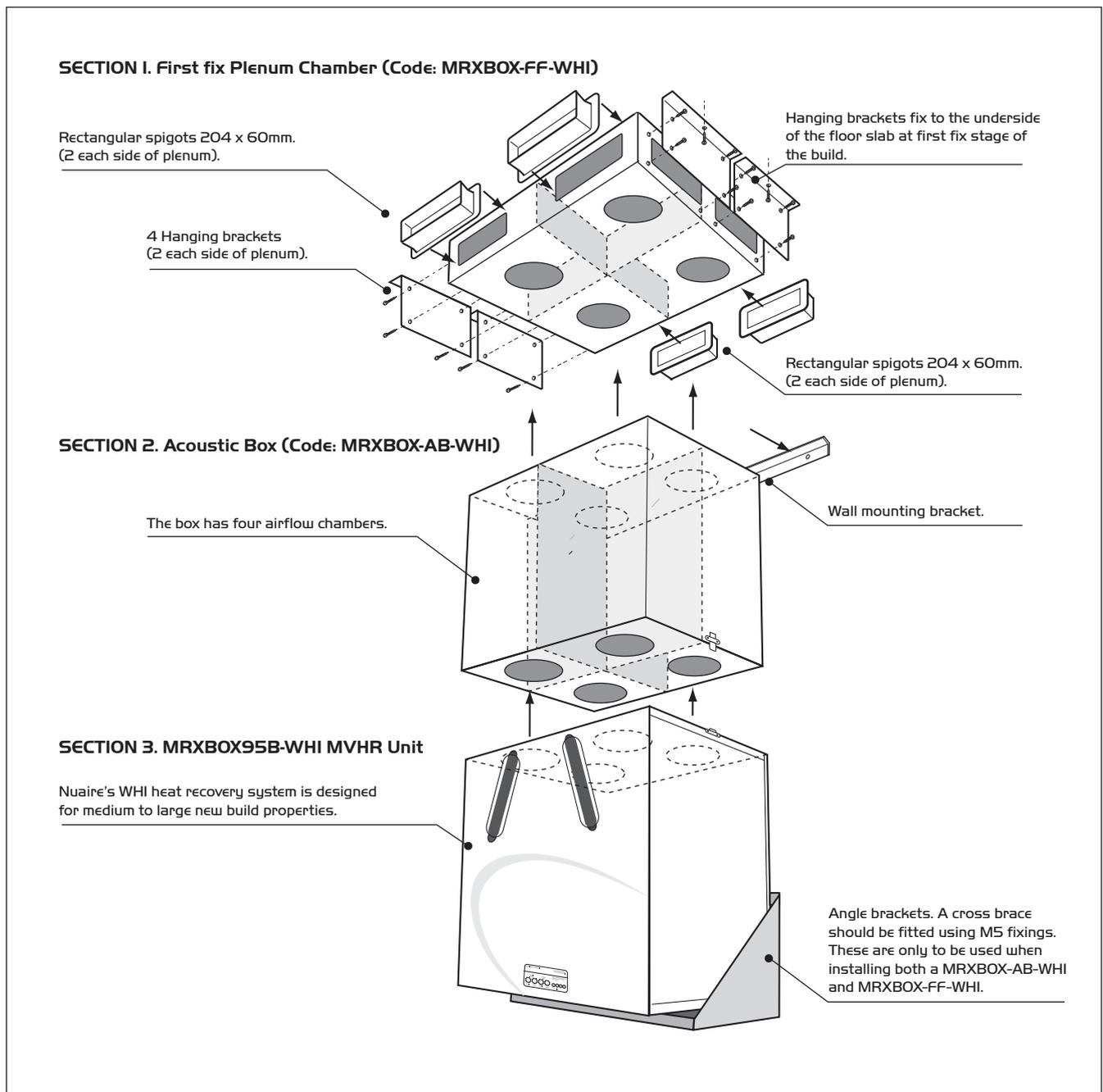
I.O Introduction

Nuair's First Fix and Acoustic Solution system is designed to not only significantly reduce noise but to improve the installation when wall or cupboard mounting the MRXBOX95-WHI MVHR Units. Offering the only complete MVHR acoustic and first fix solution to overcome both noise and ease the installation of heat recovery units.

Nuair's system addresses both duct and breakout noise; provides an aesthetically pleasing cupboard installation for the home occupant and reduces installation errors and time.

Note: Information shown refers to complete system, not all parts will be relevant if part of system is fitted.

Fig 1: Units and components required to create the Acoustic Enclosure and Ducting for Wall Mounted MRXBOX95-WHI MVHR Units.



2.0 General Installation

Installation must be carried out by competent personnel in accordance with the appropriate authority and conforming to all statutory governing regulations.

No boarding should take place until after the full system installation has been completed.

Please note a clear working space is required around the MRXBOX95-WHI installed unit to allow the cover to be removed and provide sufficient access for maintenance such as filter change. Please allow a minimum of 250mm in front of the unit.

The fan must be installed indoors, on a suitable wall away from direct sources of frost, heat, water spray or moisture generation.

For a vibration-free result the unit must be mounted to a solid wall.

(For further installation information for the MRXBOX95-WHI unit please refer to installation document supplied with the MVHR unit).

2.1 Installation (Sealing)

MRXBOX-FF-WHI (Plenum Chamber)

Fit rectangular spigots to required positions, the remaining cut outs should be covered by the 4 hanging brackets supplied. All components should be fitted with self-tapping screws provided and sealed with silicone.

When fitting the spigots to the foam lined chamber of the plenum, the foam should be cut away in the openings where the spigots are to be fitted.

If MRXBOX-AB-WHI is not being used 150mm diameter spigots should be fitted with self-tapping screws provided and sealed with silicone.

MRXBOX-AB-WHI

Remove 4 x 150mm spigots from MRXBOX95-WHI and fit a length self-adhesive seal around the perimeter of each spigot covering the screw heads, see fig. 2.

If MRXBOX-FF-WHI is not being used, the spigots removed from the MRXBOX95-WHI can be re-fitted to the top panel of MRXBOX-AB-WHI using the same fixings and sealed with silicone.

Otherwise fit the remaining length of self-adhesive seal to the top surface of the MRXBOX-AB-WHI to form a sealed perimeter around each circular cut out, see fig. 3.

Ensure all joins are mated neatly to prevent leakage.

Fig 2: MRXBOX95-WHI viewed from above.

Remove 4 x 150mm spigots from MRXBOX95-WHI and fit a length of self-adhesive seal around the perimeter of each covering the screw heads.

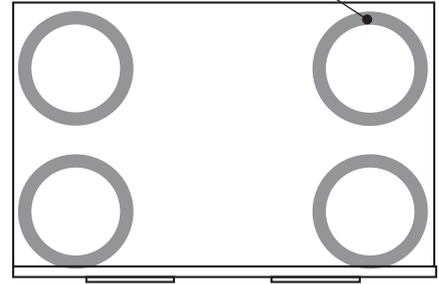
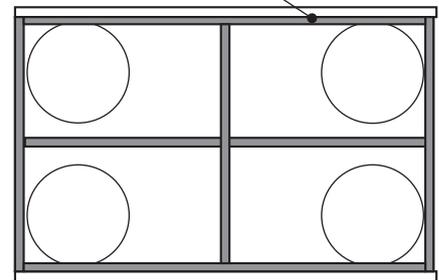


Fig 3: MRXBOX95-AB-WHI viewed from above.

Self-adhesive seal around top surfaces of the MRXBOX-AB-WHI airflow chambers to form a sealed perimeter.



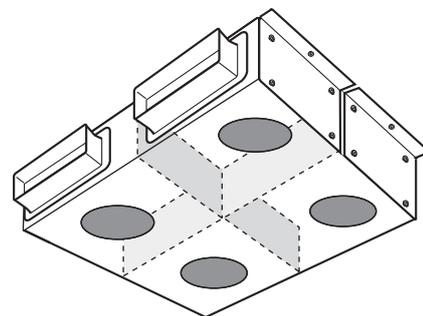
2.2 Installation (First Fix)

MRXBOX-FF-WHI (Plenum Chamber)

The first fix plenum chamber should be fixed (fixings supplied by others) with the off centre cylindrical cutouts nearest to the wall the MRXBOX95-WHI is to be installed on. A 30mm clearance between the wall and the rear face of the plenum chamber is required. see fig. 1 and 10.

The ceiling of the property will require an appropriate size cut out to allow the connection to be made when the secondary items are to be fitted.

Fig 4: MRXBOX95-FF-WHI.



2.3 Installation

MRXBOX-AB-WHI (Acoustic Box)

The unit is designed for wall mounting using a 19mm pattress, this should span the width and height of installation and be fixed to a minimum of two studs.

Please note that a clear working space is required around the installed MRXBOX95-WHI unit to allow the cover to be removed and provide sufficient access for maintenance such as a filter change. Please allow a minimum of 250mm in front of the unit. (continued overleaf).

2.3 Installation (cont.)

MRXBOX-AB-WHI (Acoustic Box)

The below information regarding the angle brackets is only relevant when the installation includes both a MRXBOX-AB-WHI and MRXBOX-FF-WHI, if this is not the case MRXBOX95-WHI should be fitted using the standard installation instructions supplied with that product. If only fitting an MRXBOX-AB-WHI this should then be sat on top of the MVHR unit and clamped in place as detailed later in this section.

The wall mounting brackets and angle brackets should now be fitted (fixings supplied by others) according to the installed position of the plenum and the measurements shown in fig 9.

MRXBOX-AB-WHI to be hung on the wall mounting bracket supplied loose in the MRXBOX95-WHI packaging, see below.

Fig 5: Wall mounting bracket.

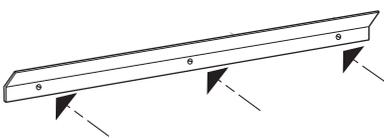
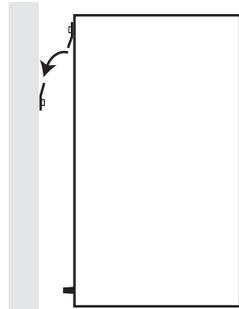


Fig 6: Mounting the unit on the wall mounting bracket.



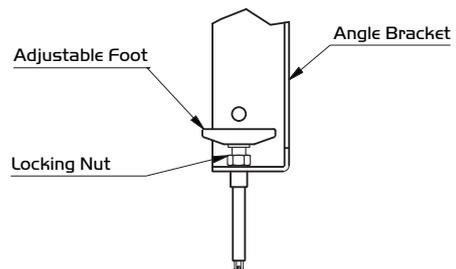
The MRXBOX95-WHI unit can then be sat on the angle brackets, and the cross brace should be fitted using the M5 fixings provided once the MRXBOX95-WHI is in position.

Raise the units using the adjustment feet provided until the MRXBOX-AB-WHI is lifted off its angle bracket, ensuring the two sections are correctly aligned and fasten the toggle clamps on the sides of the units. The safety pins supplied should be fitted to secure the clamps in place.

Continue to raise the units using the adjustment feet again checking for good alignment to form a seal against the MRXBOX-FF-WHI and ensure installation is level.

When positioning is complete the adjustment feet should be secured in position using the four locking nuts. (see fig. 7).

Fig 7: View of locking nut.



3.0 Dimensions

Fig 8: MRXBOX95-AB-WHI.

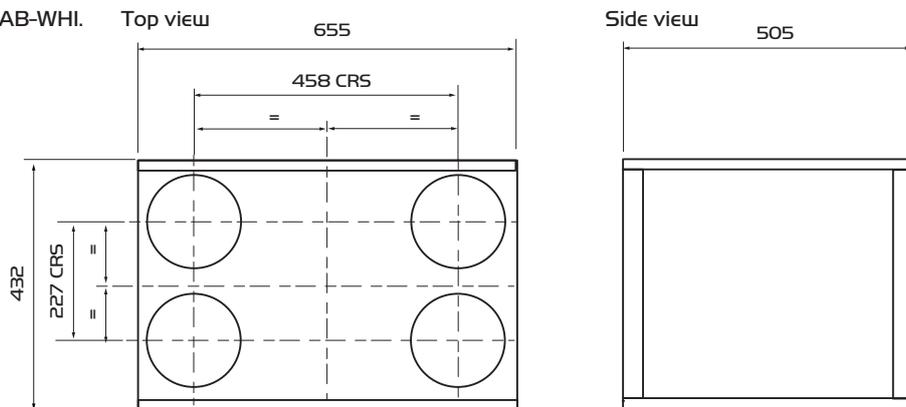
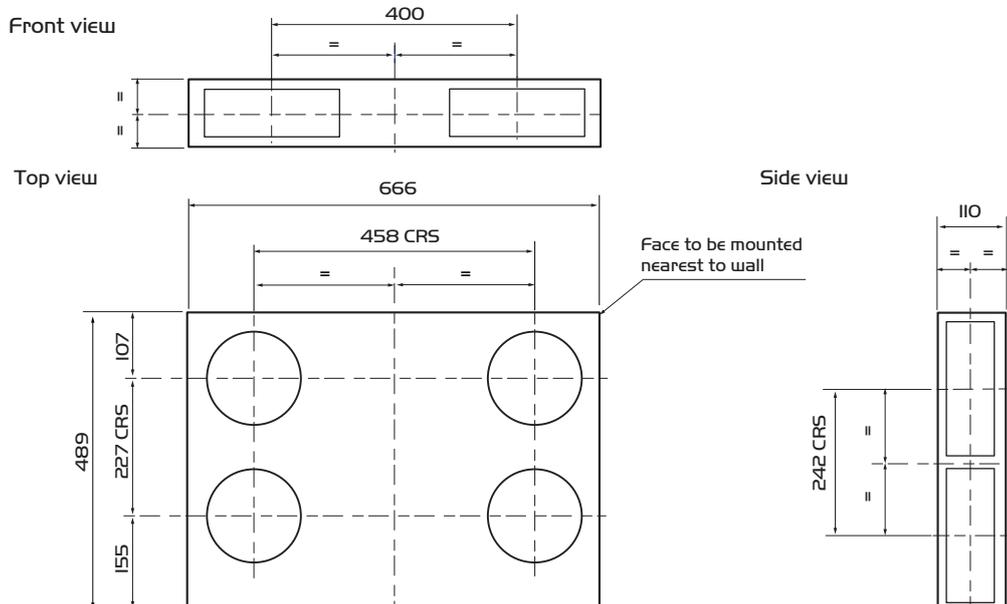


Fig 9: MRXBOX95-FF-WHI



3.0 Dimensions

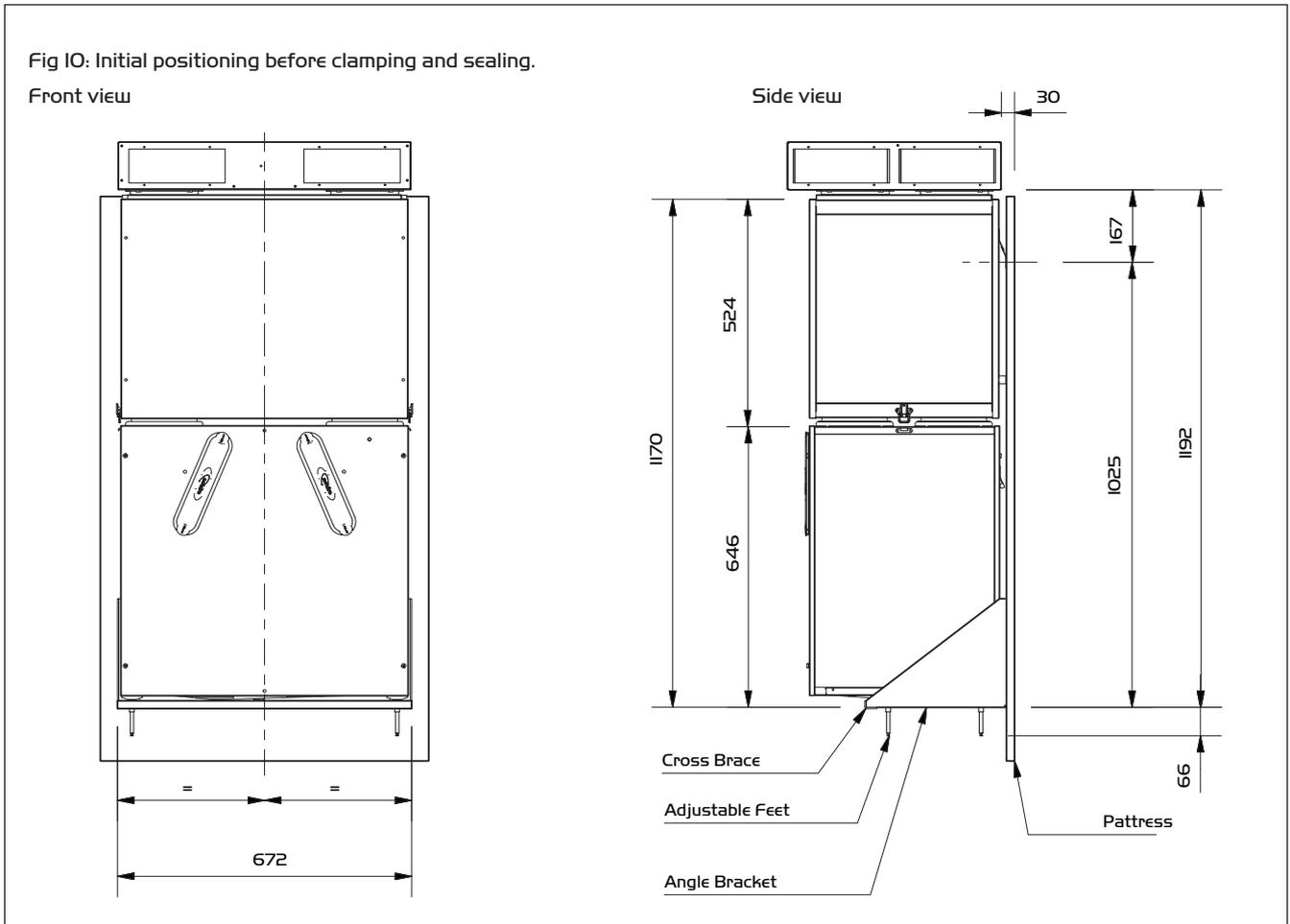
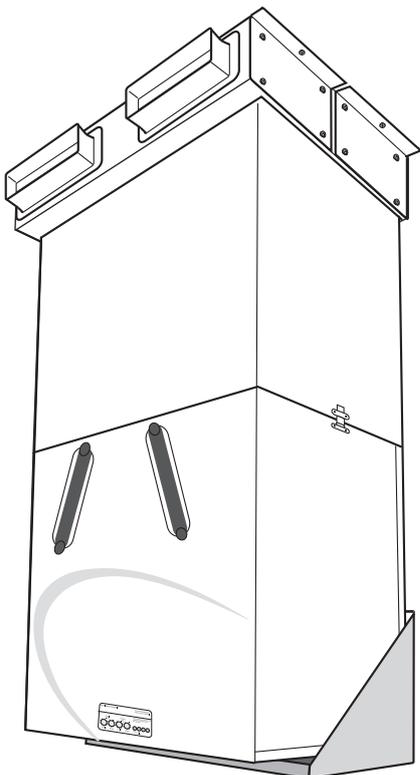


Fig 11: View of completed system.



4.0 Replacement of Parts

Should any component need replacing Nuair keep extensive stocks for quick delivery. Ensure that the unit is electrically isolated, before carrying out any work.

When ordering spare parts, please quote the serial number of the unit and the ARC number of the purchase if possible. **(This information will be available on the fan label).**

5.0 Warranty

The 5 year warranty starts from the day of delivery and includes parts and labour for the first year and parts only for the remaining 4 years. This warranty is conditional on planned maintenance being undertaken.

6.0 Service Enquiries

Nuair can assist you in all aspects of service. Our Technical Support department will be happy to provide any assistance required.

**Technical Support Department
on 029 2085 8400**

Technical or commercial considerations may, from time to time, make it necessary to alter the design, performance and dimensions of equipment and the right is reserved to make such changes without prior notice.