idealair group

ONEAIR

METAL

High induction oval duct system

Installation Instructions

DHI

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ONEAIR DHI METAL

As part of our ongoing program of product development and improvement, Idealair Group reserves the right to make changes in design or specification to products without notice or obligation and to change or discontinue models.

GENERAL INFORMATION

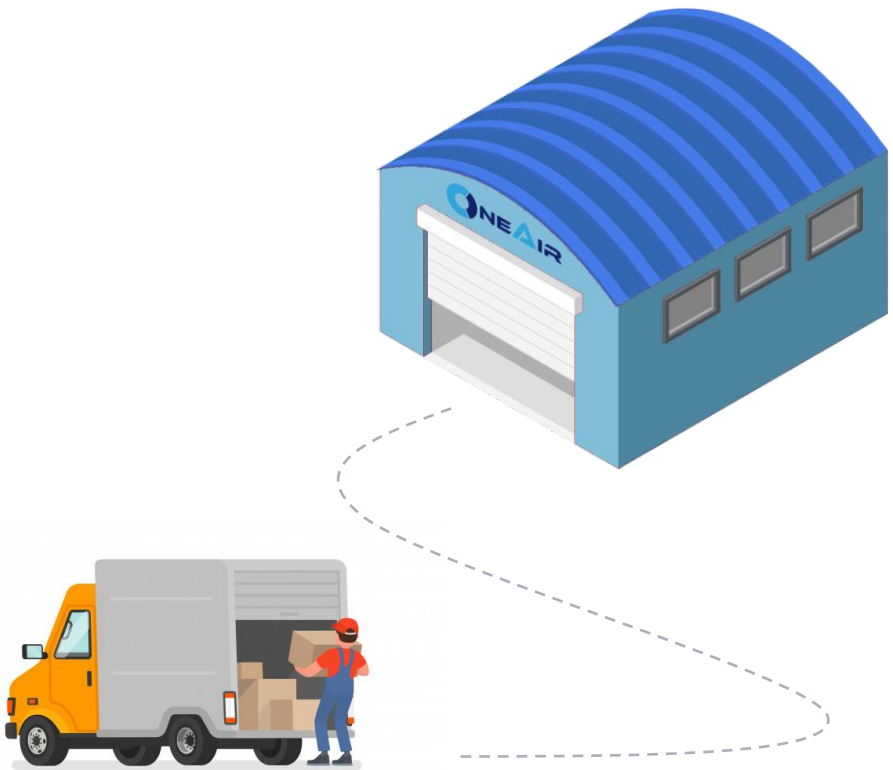
On the following pages, you will find instructions for mounting and installing the **ONEAIR DHI METAL OBLONGUES** diffusers.

DELIVERY AND RECEIPT

Before proceeding with the installation, the customer is asked to check the status of the goods received and the completeness of the correspondence with the delivery note.

We ask you to indicate the presence of any damaged parts at the time of receipt of the goods and, if necessary, to indicate in the delivery note of the carrier the acceptance subject to reservation, specifying exactly the type of damage observed.

In addition, please contact us as soon as possible at *amministrazione@oneair.it* and, if possible, send us photos of damaged parts.



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COMPOSITION OF PALLETS

The oval diffusers are supplied with a packaging system that reduces the volume required for shipping. The modules, in different numbers depending on the diameter and size of the pallet, are delivered to each other. Mounting accessories are supplied with a separate box.

Grouped sections

Duct packing

Position of accessories

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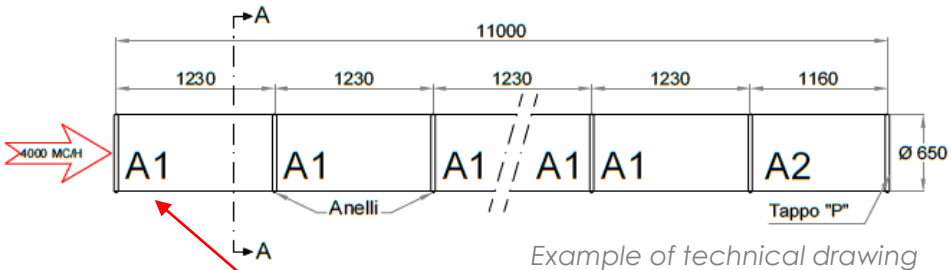
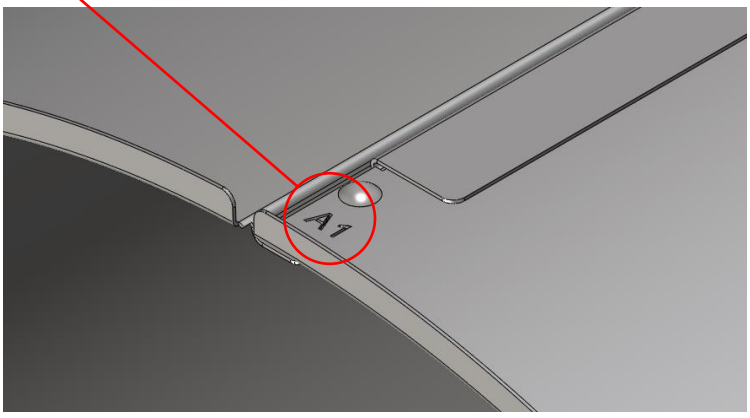
IDENTIFICATION OF SECTIONS

To identify the sections, refer to the technical drawings that are part of the documentation shipped with the equipment.

On each section are supplied, mechanically stamped (outside) or handwritten (inside), the letter and the number corresponding to the sections indicated in the technical drawing, approved before the manufacture of the ducts.



Example of technical drawing



Position of the code on the duct

Marking location of the code

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1. UNPACKING THE SECTIONS

The sections that make up the oval duct are delivered open on the upper side. To take the sections of the pallet:

1. Extract the calendered part of the most external section
2. Remove the section by following the flat part

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2. SECTION ASSEMBLY

To get a section that you can install, you must first assemble it in the order of these steps:

1. Insert the flat flap of the calendered part into the slot provided in "C" on the longitudinal edge of the plane part above the segment (see fig. below).

Blade insertion on slot «C»

2. Attach the resulting junction to one end with a Ø 4.8 mm self-tapping screw (not included). This will be the male side of the section.

Mounting with Ø 4.8 mm self-tapping screw

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3. At the opposite end of the section, position on the Ø 4 mm pre-holes and secure with screws/rivets (4.8 and 3.8 mm respectively) (not supplied) the provided lever closure. This will be the "female" side of the reach.

Positioning of the lever closure on the Ø4 mm pre-drilled holes and fixing with 4.8 mm screws or 3.8 mm rivets.

Once the preparation is complete, the section attached to one end and workable to the other will be obtained.

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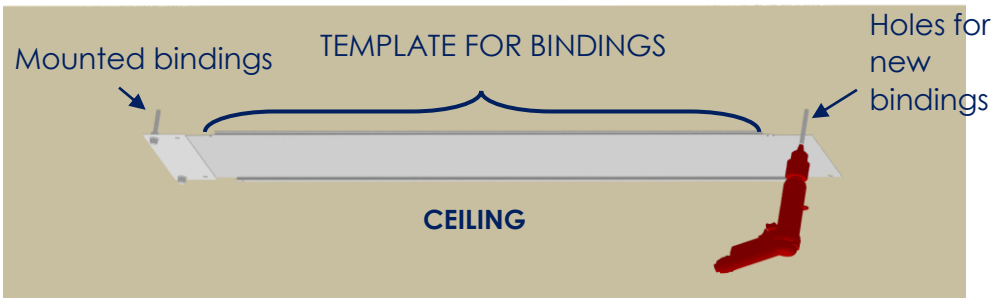
3. PREPARATION OF CEILING MOUNTING

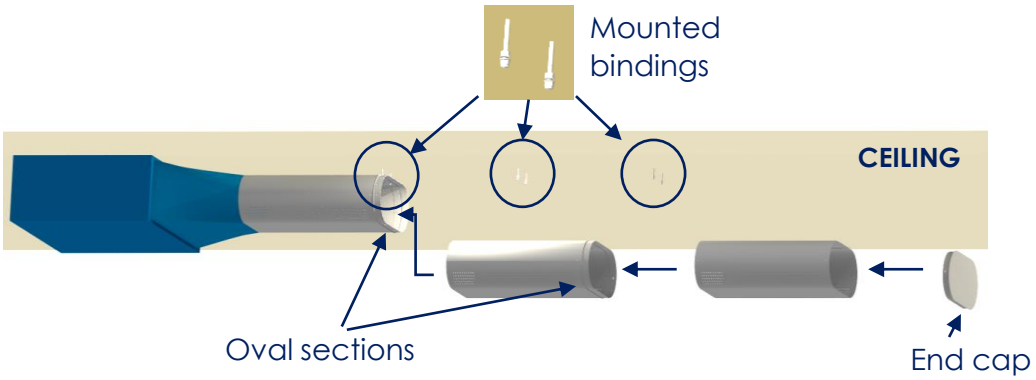
Place M8 threaded rods, bolts or studs (not supplied) on the ceiling of suitable length (minimum distance to the ceiling **70 mm**) for securing the sections, with a distance of **1220 mm** between one section and the other. To facilitate this, OneAir can provide, as an option, a specific template that allows you to prepare all bindings quickly and accurately.



4. CEILING DUCT MOUNTING

GENERAL DESCRIPTION

Connect the first assembled section to the ventilation unit by attaching the female side to the machine and the male to the ceiling supports. Continue with the other sections assembled by inserting the female end of the section on the male of the one already mounted on the ceiling. Once the lever closure on the female side is engaged, complete the connection of the sections with screws/rivets (4.8/ 3.8 mm) (not supplied) in the holes arranged laterally and in the underside of the sections. Once the installation is complete, insert the cap into the final section.



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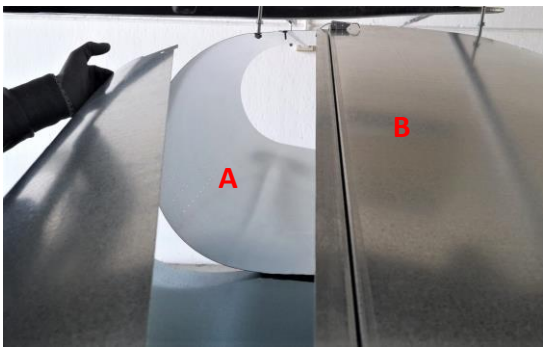
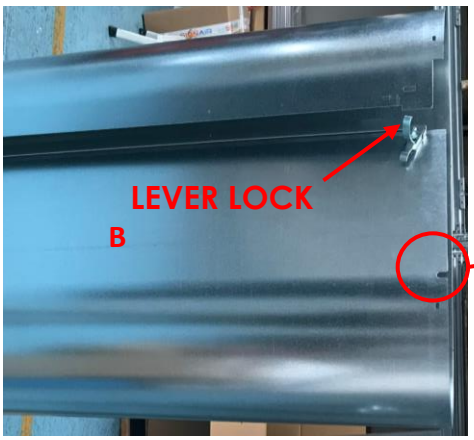
4.1 DETAILED MOUNTING PROCEDURE

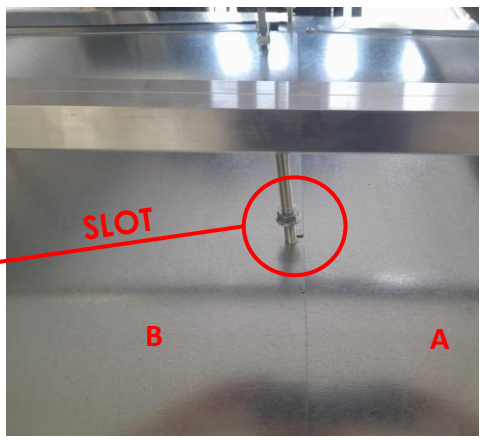
For installation, follow the procedure detailed above (for convenience, «**A**» indicates the module coming from the ventilation unit and «**B**» the following module):

1. Attach section "**A**" to the machine and supports threaded on the male side. Use the inside and outside nut for tightening of following sections.

2. Pass the female side of the next "**B**" segment on the male side of the "**A**" module. Opening the edge will facilitate the overflight operation. The upper edge of the female side has a groove, at the threaded supports, which is used for alignment and the end of section.







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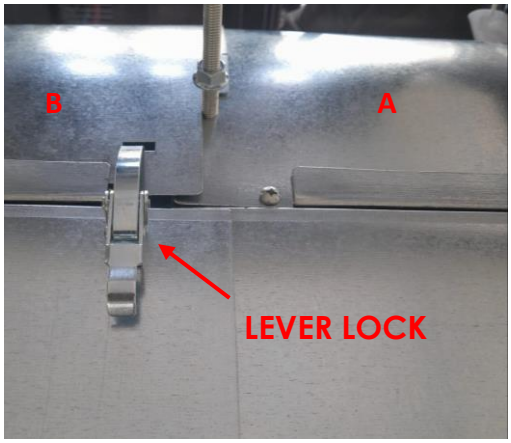
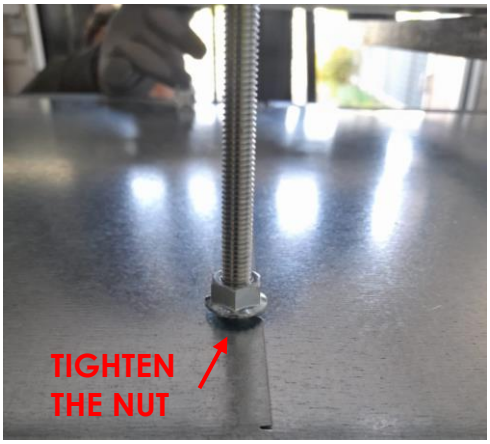
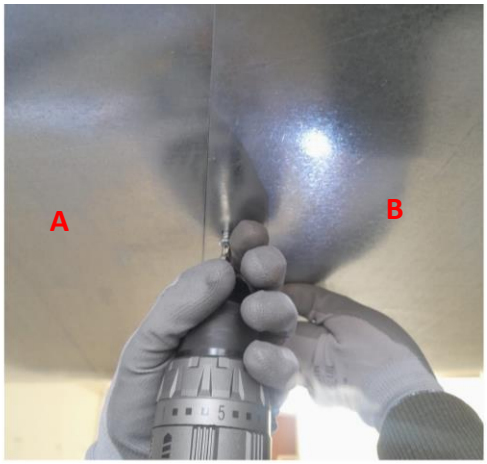
3. At the opposite end, attach the "**B**" module on the male side to the pre-installed threaded rods.

Hook the lever closure to secure the perimeter of section "**B**" to section "**A**". Use the nut on the threaded rod to lock the sections in the top edge.





4. Complete the clamping of the sections with screws/rivets (not supplied) in the side holes and on the bottom edge.



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