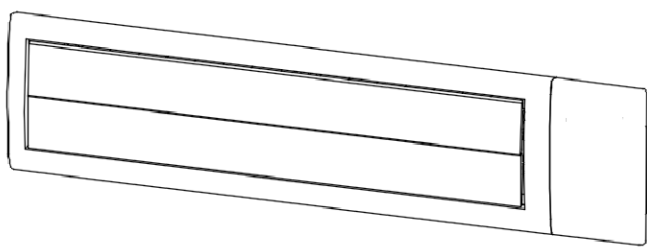


Hisense

Operation & Installation Manual

AIR OUTLET

Model: HP-DB-NA
HP-EB-NA



IMPORTANT:
READ AND UNDERSTAND THIS MANUAL BEFORE
USING THIS PANEL.KEEP THIS MANUAL FOR
FUTURE REFERENCE.

IMPORTANT NOTICE

- The standard utilization of this air pane is explained in these instructions. improper operation, or operation not made in accordance with these instructions, can result in unsatisfactory operation and/or dangerous conditions. in such cases, the warranty does not apply.
- Hisense's liability shall not cover defects arising from the alteration performed by a customer without Hisense's consent in a written form.
- Hisense's pursues a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice.
- No part of this manual may be reproduced without written permission.
- Signal words(DANGER,NOTE) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

WARNING : Immediate hazards which WILL result in severe personal injury or death.

NOTE : Useful information for operation and/or maintenance.

CHECKING PRODUCT RECEIVED

- Upon receiving this product, inspect it for any shipping damage. Claims for damage, either apparent or concealed, should be fled immediately with the shipping company.
- Check the model and quantity to determine if they are correct.

1.Before Installation

WARNING

When the air panel is unpacked, place it on insulation material etc. to protect the sealing insulation from scratches.

- Factory-Supplied Accessories

Check to ensure that the following accessories are packed with the air panel.

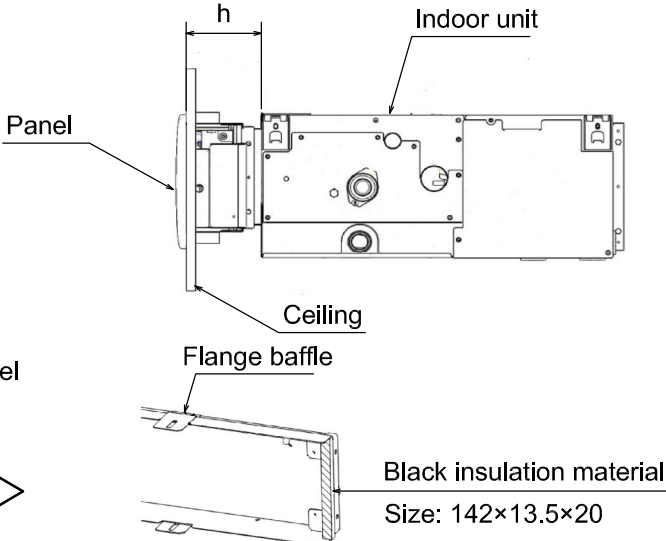
air panel	panel flange	insulation sponge	instructions
		142×13.5×20 black(two)	 (one)
		150×25×5 gray(two)	
		760(1030)×45×5 gray(two)	

If any of these accessories are not packed in the packing, please contact your contractor

2.Installation

2.1 Air panel Installation method

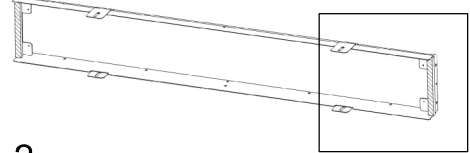
h(mm)	h<89	89shs99	h>99
installation method	no panel	direct installation	flexible connection installation



2.2 Direct installation

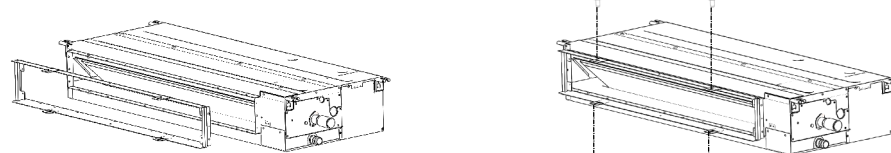
Step 1

Stick the two black insulation material on the two side of the panel flange



Step 2

Mount the panel flange onto the outlet flange of the indoor unit by using the factory supplied M4 screw(12 screws are used in the little panel,14 screws are used in the large one)



Step 3

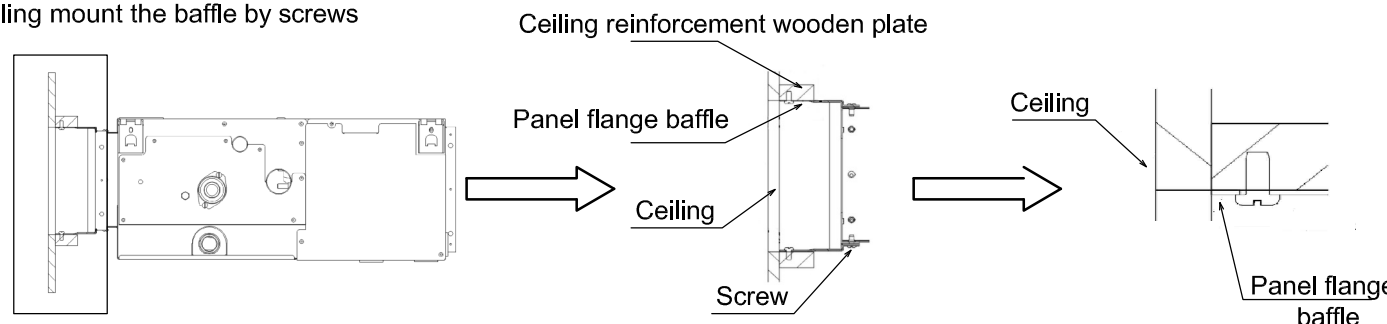
After fixing the screw, stick the gray insulation material on the 4 outside surface of flange, and ensure there is no exposure of the mental parts such as screw, flange,etc.

NOTE

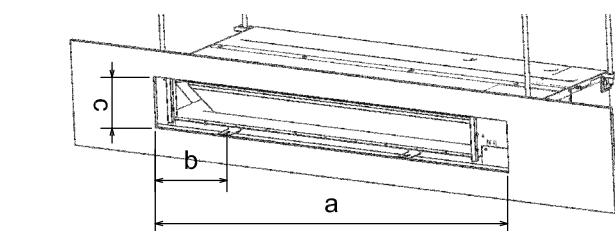
- Fix the panel flange at first,then suspend the indoor unit onto the roof.
- Use the panel flange to locate the installation hole on the ceiling.

Step 4

Locate the ceiling installation hole by the baffle ,which is fixed on the flange by spot welding, then cut out a hole on the ceiling mount the baffle by screws



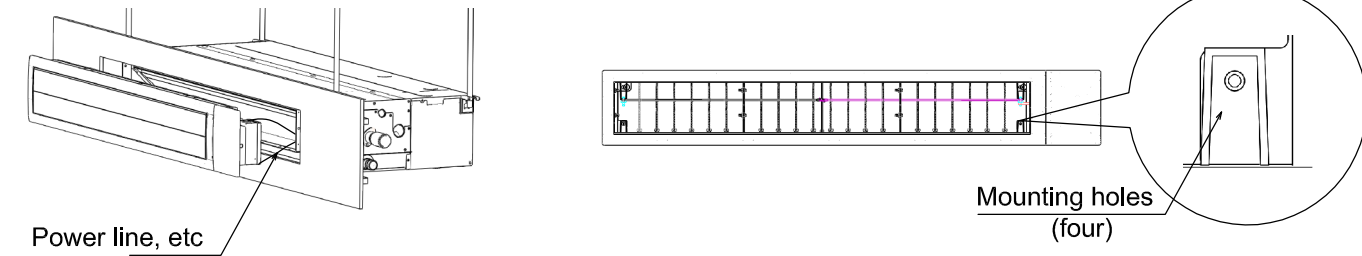
The hole size on the ceiling is shown as the following picture.



model	a	b	c
HP-DB-NA	910~920	42	150
HP-EB-NA	1180~1190	198	150

Step 5

Put the power line and the communication line into the ceiling hole, and push the panel into the flange, then rotate the horizontal wind deflector manually until the four screw holes on the air panel are visible, then make sure the panel and the flange hole are matched well and fix them with M4 screws , and the nailing should be stopped when there is no gap between the ceiling and the air panel.

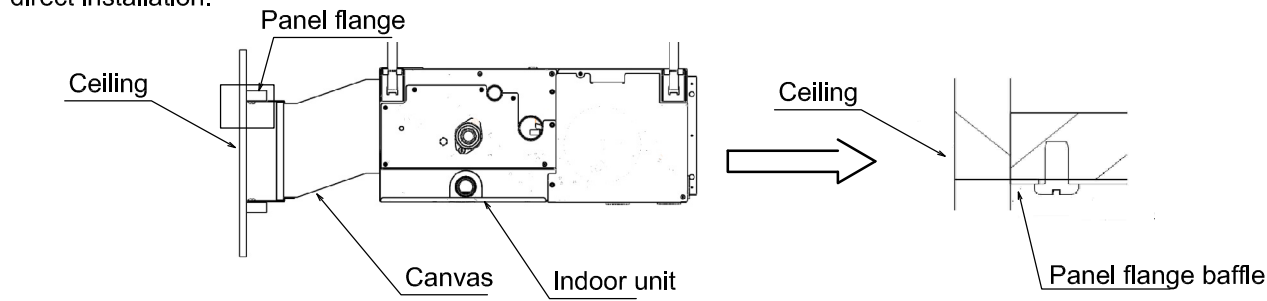


NOTE

- The exterior surface of the panel should not be put downside or on the hillock in case of the scratch.
- Make sure the horizontal wind deflector and the drive shaft are clamped,and tighten them if the fitting is loose.
- Check to ensure that the size of the installation hole and the distance between the air outlet and the hole is proper.
- Make sure the intensity of the ceiling is suitable. If the intensity is insufficient, reinforce the opening part to meet the requirement of intensity
- Make sure the indoor unit is parallel to the ceiling
- When using this panel by direct installation, make sure mount the panel flange directly onto the indoor unit at first, and then lift the indoor unit onto the ceiling, and the ceiling size follows the previous introduction. but if the distance between the indoor unit and the outside surface of the ceiling is less than 89 mm, the panel should not be chosen.

2.2 flexible connection installation

The flexible connection installation is suitable for the cases that the direct installation can not be used(the distance between the ceiling and indoor unit is larger than 99 mm).when suspending the indoor unit, the outlet flange is connected with one end of the canvas, and the panel flange is connected with the other end. and the black insulation material should be stick to the two sides of the panel flange, and the following installation method is the same as the direct installation.



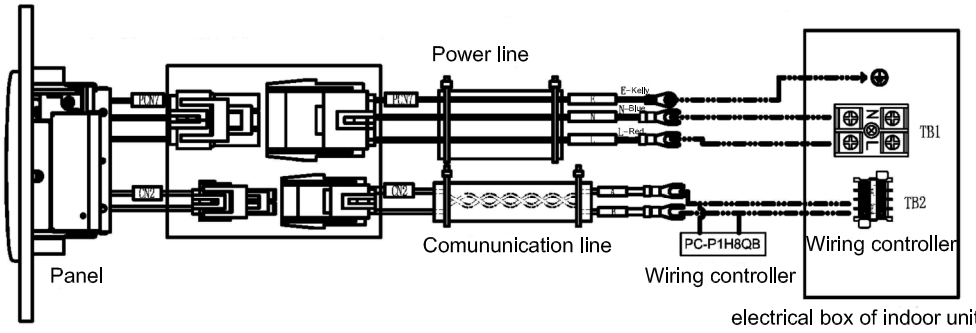
NOTE

- Check to ensure there is no gap around the contacting surface between the air panel and the indoor unit, and ensure there is no gap between the air panel and the ceiling.
- If there is a gap, please check if the screw is fastened sufficiently when we mount the panel onto the flange.
- If the gap can not be eliminated, please adjust the distance of the indoor unit to the ceiling, then mount the air panel.

3.Wiring connection for air panel

Through the connecting hole on the electrical box of the indoor unit, connect the power source line(firing line L-red, zero line R-blue) to the L terminal and R terminal on the terminal board(TB1), and the ground line(E-yellowish green) is connected to the ground screw on the electrical box.
Through the connecting hole on the electrical box of the indoor unit, connect the operation line(A,B-white) to the A terminal and B terminal on the terminal board(TB1)

The accurate wiring connection method is shown as follows:



NOTE

- When operating the wiring connecting, please connect the right wiring with the electrical box of the indoor unit at first, then connect them with the wiring of the panel by wiring port.
- Check to ensure the wiring port is tightened sufficiently, and wrap it with the insulating tape completely.

WARNING

Turn off the main power switch of the indoor unit for more than 3 minutes before electrical wiring work or a periodical check is performed.
Protect the wires, electrical parts, etc. if not, rat may gnaw at unprotected part and at the worst, a fire will occur.

WARNING

The number of line that is fixed at the L and N terminal on terminal board TB1 should be less than 2, and the serious connection of the power line is forbidden.
Avoid the panel operation line and the power line walking side by side.If not, a malfunction may occur.
The wiring connection should be operated as showed in the picture. if not, a damage of the PCB may occur. don not pull the line too hard in case of the detachment of the connecting terminal.
Wrap the wiring with adhesive tape, and seal the connection hole in case of the entrance of the condensate water and insect.

4.Installation qualification

Check to ensure if there is a gap around the contacting surface between the flange and the indoor unit
Check to ensure if there is a gap around the contacting surface between the flange and the air panel
Check to ensure if there is a gap around the contacting surface between the ceiling and the air panel
Check to ensure if the gap of the two horizontal louver is uniform. if not, please adjust the direction of the louver to make it uniform.

5.Cleaning and maintenance

Remove any dirt on the air panel with clean and soft dry cloth.
If the air panel is too dirty to be cleaned with dry cloth, please clean it by neutral detergent mixed with water.

INSTRUCTION

The phenomenon described as following is normal, not a type of malfunction:

- You may hear a sort of rubbing sound from the panel, this is caused by deformation of plastic parts due to the temperature change.
- You may see condensate water occurs on the air panel, this is because condensation will occur at air deflector and around air outlet after air conditioner has been in cooling operation or dehumidification operation for a long time in environment with high humidity (R.H higher than 80%).
- You may see the water vapor flowed out from the air panel, this is caused by the cold air with a large import and export temperature difference when the room temperature is high.

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