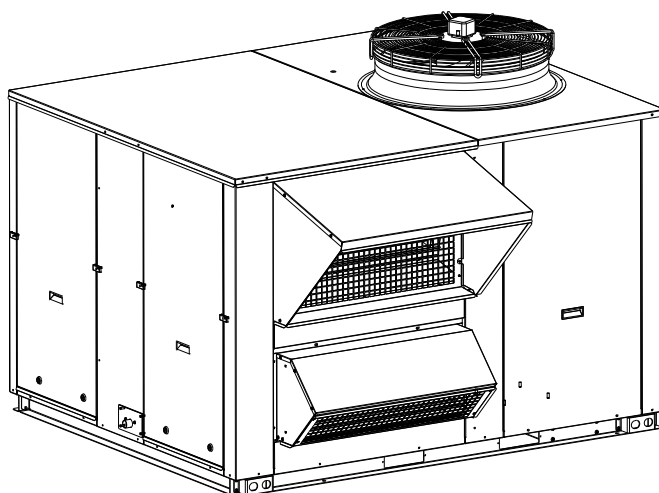




BY JOHNSON CONTROLS

Barometric damper for ROOF TOP ACTIVA 017/040 (Accessory)



Options and Accessories, Installation manual

Ref.: N-40396_EN 0911



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**Barometric damper for ROOF TOP
ACTIVA 017/040 (Accessory)**

1.1 General information

This accessory relieves the excess air pressure inside the building that may be generated through use of the economiser or the motorised damper.

It is the cheapest and most suitable extraction system for installation where the air return is duct-free and planned air exhaust is a maximum of 25% of the total supply air flow.

It is formed by an excess pressure damper and rain protection with a built-in bird protection grille.

When the outdoor air inlet opens and the return air flow is closed proportionally, the pressure inside the building increases. When the pressure is greater than atmospheric pressure, the damper is opened to release any excess pressure directly outdoors.

- Where the return duct connection to the unit is at the bottom, the barometric damper assembly and rain protection are installed on the side of the unit. See [Units with lower return duct](#), see on page 3.
- If the return duct connection to the unit is on the side, the barometric damper assembly and rain protection are installed as close to the unit as possible, directly on the front of the return duct. See [Units with side return duct](#), see on page 4.



NOTE

The assembly is supplied pre-assembled for on-site installation.

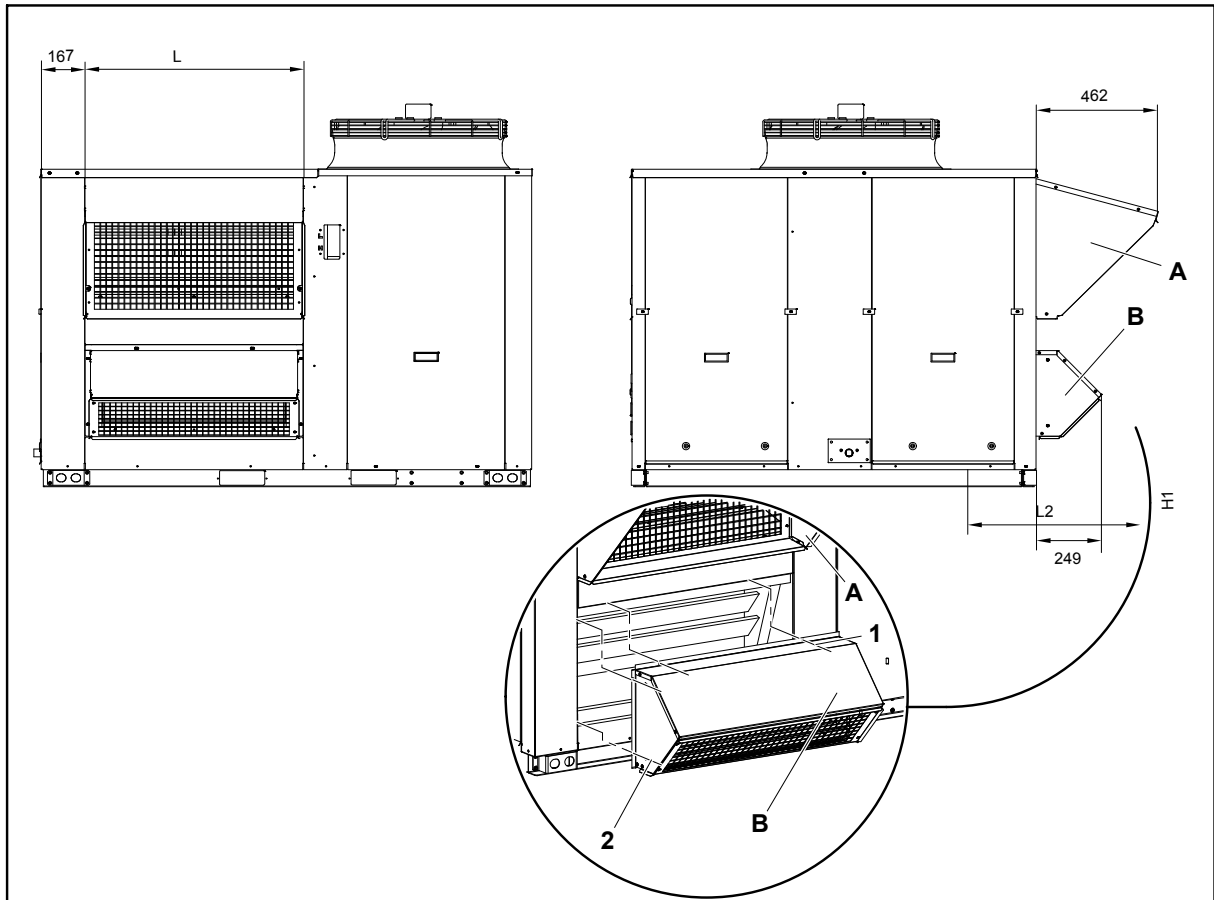
1.2 List of components

This accessory consists of the components indicated in the table.

Pos.	Description	Qty.
1.	Rain protection assembly (Rainhood)	1
2.	Overpressure damper	1
3.	Rubber sealing strip	3 m
4.	4.8x16 self-threading screws	6
5.	Seal washers	6
6.	M6x20 bolts	2
ROOF TOP barometric damper		

1.3 Installation

1.3.1 Units with lower return duct



- | | |
|---|--|
| A. Outdoor air inlet (Economiser) | 1. M6x20 bolts (x2) |
| B. Pre-assembled barometric damper assembly | 2. Self-threading screw with seal washer |

Model	L	L2
017 / 022	830	249
032 / 040	1080	290

1. Remove and dispose of the original side panel of the Roof Top.



ATTENTION

Dispose of the components in the appropriate places or take them to an appropriate collection centre. Respect the regulations in force for this type of waste in the country where the unit is being installed.

2. Place the barometric damper assembly in the opening on the side and fix it with self-threading screws on both sides (four screws in total) and with two M6x20 bolts on the top flange. Place the seal washer on the self-threading screws.
3. The fixing holes in the front flanges of the opening in the unit are hidden under the sealing strip.

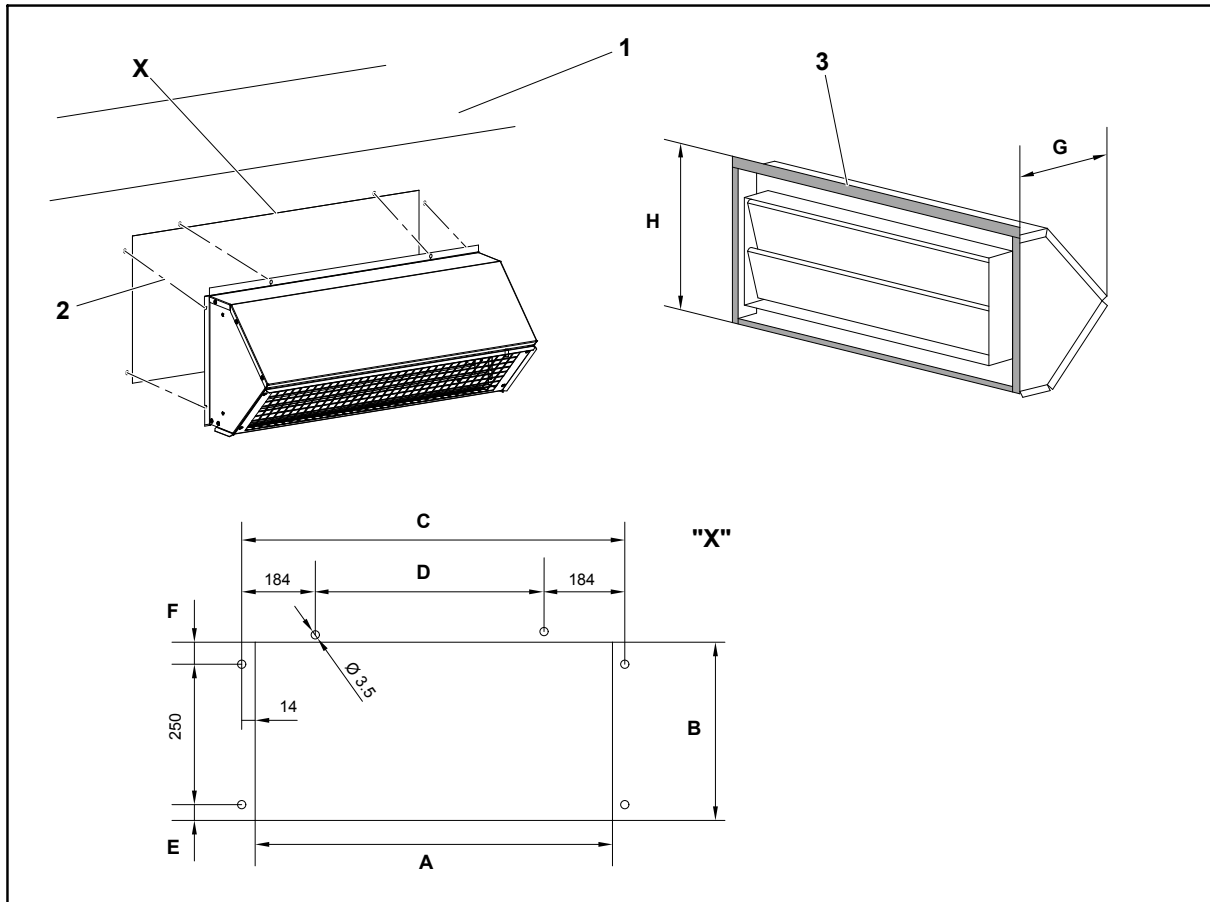


NOTE

In this case it is not necessary to add a sealing strip on the barometric damper assembly.

1.3 Installation

1.3.2 Units with side return duct



- 1 Side return duct
- 2 Self-threading screw with seal washer (x6)
- 3 Support perimeter on which the sealing strip should be placed
- X Detail of the cut on the front side of the return duct

Models	A	B	C	D	E	F	G	H	Weight [kg]
017 / 022	780	300	808	440	24	38	270	360	11
032 / 040	1030	390	1058	690	82	69	310	447	15

1. Make an opening and holes on the front side of the duct according to detail -X-.



NOTE

In order to make the holes, the damper assembly can be used as a template.



ATTENTION

There must not be any separation between the different sealing strips to ensure a correct sealing.

- 2. Place the sealing strip along the entire support perimeter of the barometric damper assembly -3-.
- 3. Place the barometric damper assembly on the duct opening -1- and fix it with six self-threading screws -2-.