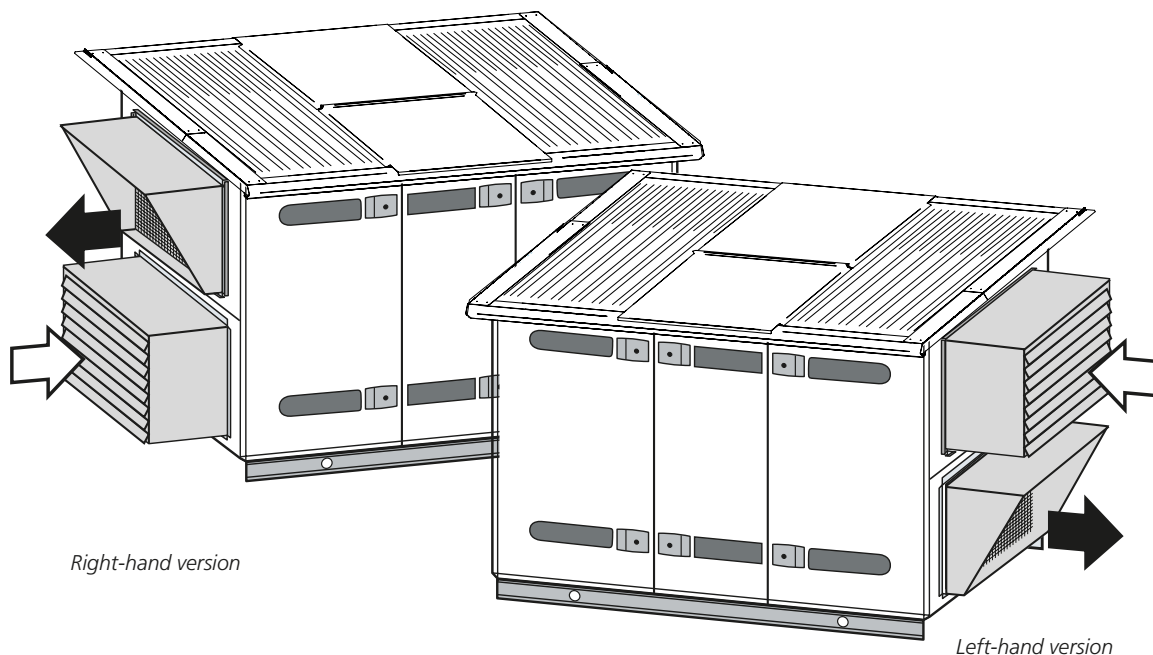


Instructions for the installation of the Roof TBTB

Supply section TBTA-2-XX-1

Extract air hood TBTA-2-XX-2



1. General

These instructions for installation supplement the assembly instructions that accompany the assembly parts.

CAUTION! Mount the roof before installing any electric wiring! When you have finished mounting the roof, install the electric wiring in an appropriate manner. Make sure that the cables are not blocking the inspection doors.

1.1 Where to install the unit

The GOLD air handling unit should be installed where it is most favourable weather-wise. It is especially important that rain or snow doesn't come into the unit through the intake section or the extract air hood.

The GOLD unit can be used for a right-hand or left-hand airflow arrangement. This flexibility can be utilised for locating the unit wherever it is most convenient.

1.2 Supply air and exhaust air ducts

Insulate the supply air and exhaust air ducting in accordance with applicable standards.

1.3 Complements and Accessories

1.3.1 Damper

Dampers can be installed outdoors provided that they are fitted with one of the following accessories: either a TBLZ-1-45 weather guard for the damper actuator or a TBTA-1-aa-02 protective casing for the outdoor damper (applicable to size 14–80 GOLD units only). See separate instructions. Another possibility is to install the damper inside the intake air section as described in Section 3.

1.3.2 Silencer

Silencers can be installed outdoors. However, for the size 14–80 units, the TBTA-1-aa-01 protective casing accessory for the outdoor silencer will have to be fitted. See separate instructions.

1.3.3 Other components

Complements and accessories equipped with an insulated casing can be positioned outdoors provided that a roof is mounted to protect them.

1.4 Hand-held terminal

The hand-held terminal of the GOLD air handling unit is sensitive to cold and shall always be kept inside a heated space. If needed, connect the terminal to the air handling unit across one or several extension cables (TBLZ-1-05) and across an extension set (TBLZ-2-13) as well.

2. Roof

The roof is supplied packaged in a carton as one complete assembly kit.

GOLD RX 04-40/GOLD PX04-30

There are pre-punched knockout openings on the underside of both of the roof gables for wiring cables to and from the junction hood (power supply, hand-held terminal, supply air sensor and control cables for possible accessories). Any opening that is not used can be sealed off with the plastic plugs supplied.

2. 1 Safety-isolating switch, GOLD RX 04-30/GOLD PX 04-30

The safety-isolating switch is to be moved from the junction hood to a spot where it will be accessible below the roof. A qualified electrician should carry out this work.

3. Air intake section

Centre the air intake section in relation to the duct connection of the unit. Secure it to the end wall of the unit by means of max 45 mm long self-tapping screws (the screws are not included in the supply).

The air intake section has adequate space inside for fitting an air intake damper, if specified, to the duct connection.

4. Extract air cowl

4.1 Mounting

Sizes 04-12: The extract air cowl is circular and is designed to be secured by means of screws to the duct connection of the air handling unit or in a duct having the same dimensions.

Sizes 14-80: The extract air cowl is rectangular and has a flange for slip-clamp jointing. The set of slip clamps is included in the supply.

The extract air cowl is designed to be secured by slip clamps to the duct connection of the air handling unit or to a duct having the same dimensions.

4.2 Risk for short-circuiting

Since extract air outlet and the outdoor air inlet are situated on the same end panel of the unit, extract air is likely to short-circuit over to the outdoor air entering the unit. See the illustration below.

This risk should be assessed with respect to wind conditions, temperatures and air currents and whether the unit is used for a right-hand or a left-hand flow arrangement. If there is risk of short-circuiting, the staff at Swegon recommends that the extract air cowl be moved out a bit away from the AHU across an appropriate length of ducting.

This length of ducting should be supported in an appropriate manner and should slightly slope away from the AHU to minimize the risk of water running into it.

If the extract air is likely to short-circuit to the outdoor air entering the cowl, the staff at Swegon recommends that the extract air cowl be moved out a bit away from the unit across an appropriate length of ducting.

