

whitbybird

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American Church

Ventilation Statement

16th March 2007

whitbybird

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Ventilation of the Meetings Rooms

The meeting rooms shall be mechanically ventilated at rate of 10 litre/sec fresh air per person to comply with the Part F of NBR.

A combined supply and extract fan unit with a recuperator will provide tempered air in winter. A damper arrangement will allow air to by-pass the recuperator in summer to prevent heat transfer to supply air.

The ventilation unit will have attenuators fitted on inlet/outlet to reduce noise to acceptable levels.

The supply and extract ductwork system between the ventilation unit and the meeting rooms will have cross talk attenuators on connection to each room to prevent noise transfer between rooms.

Fax to Terry Pawson Arch's
attn Andy Summers

227.6

0208 543 8677.

Andy.

attached ~~are~~ are the
sketches of the air handling
plant for the Fellowship Rm.

I have asked Hannah Finning
of Swagon to confirm by
email direct to you the noise
breakout from the casing.

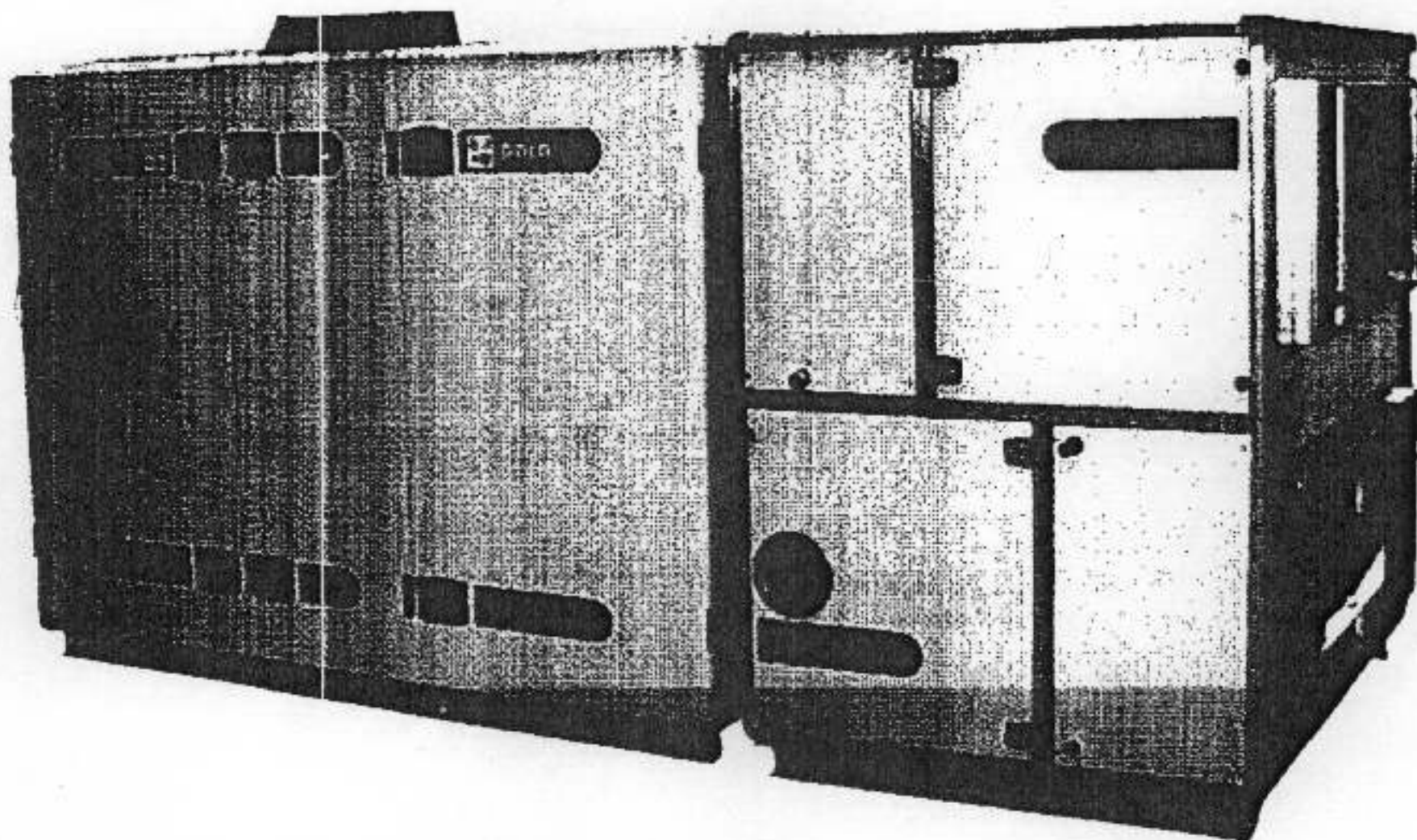
The attenuators on the fresh air
inlet + exhaust would be
selected to achieve same
background noise level.

Regards,

Terry Greatorex

Swegon CoolDX™

Plug and Play with CoolDX!



The new CoolDX cooling unit fits well into the GOLD air handling unit concept and really stands for Plug and Play.

All the equipment is housed within one and the same unit and is docked to the GOLD via ordinary duct connections.

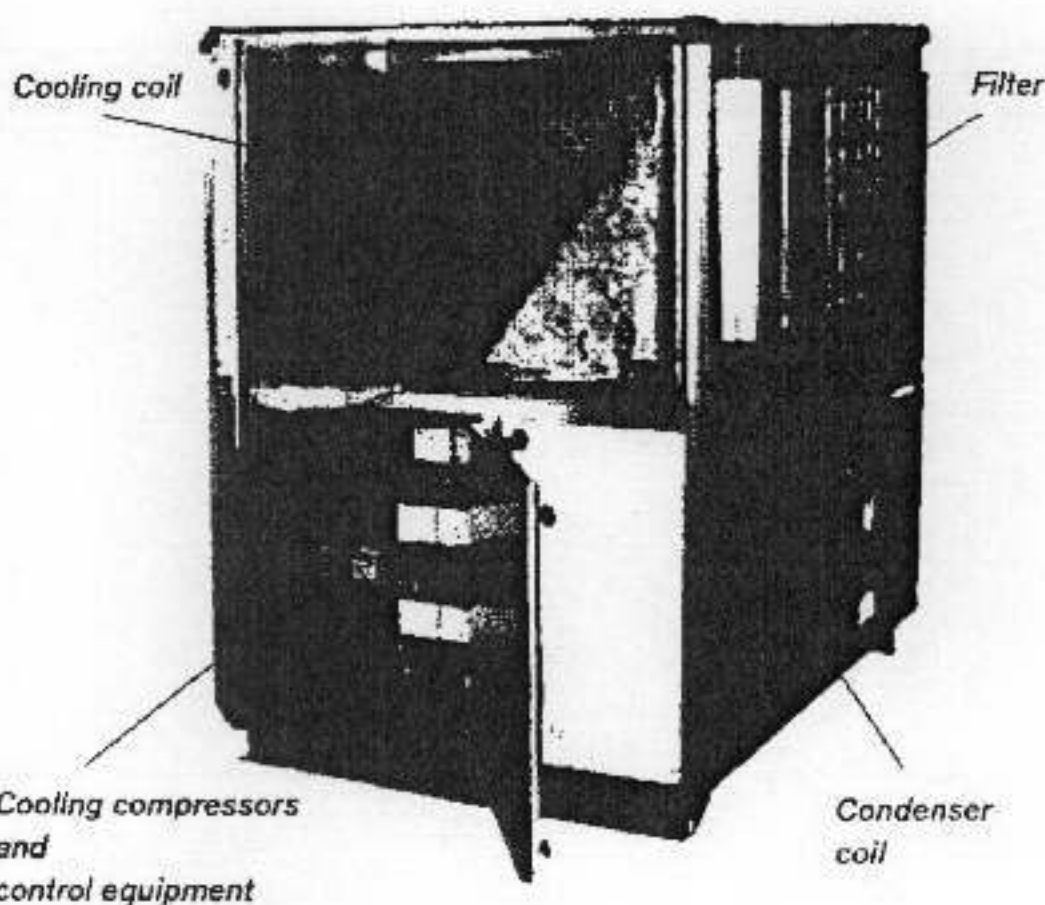
Besides this only an electric power supply and a communication cable (with quick connector, of course!) is needed between the CoolDX and the GOLD, as well as connection of a means for drainage and a safety drain.

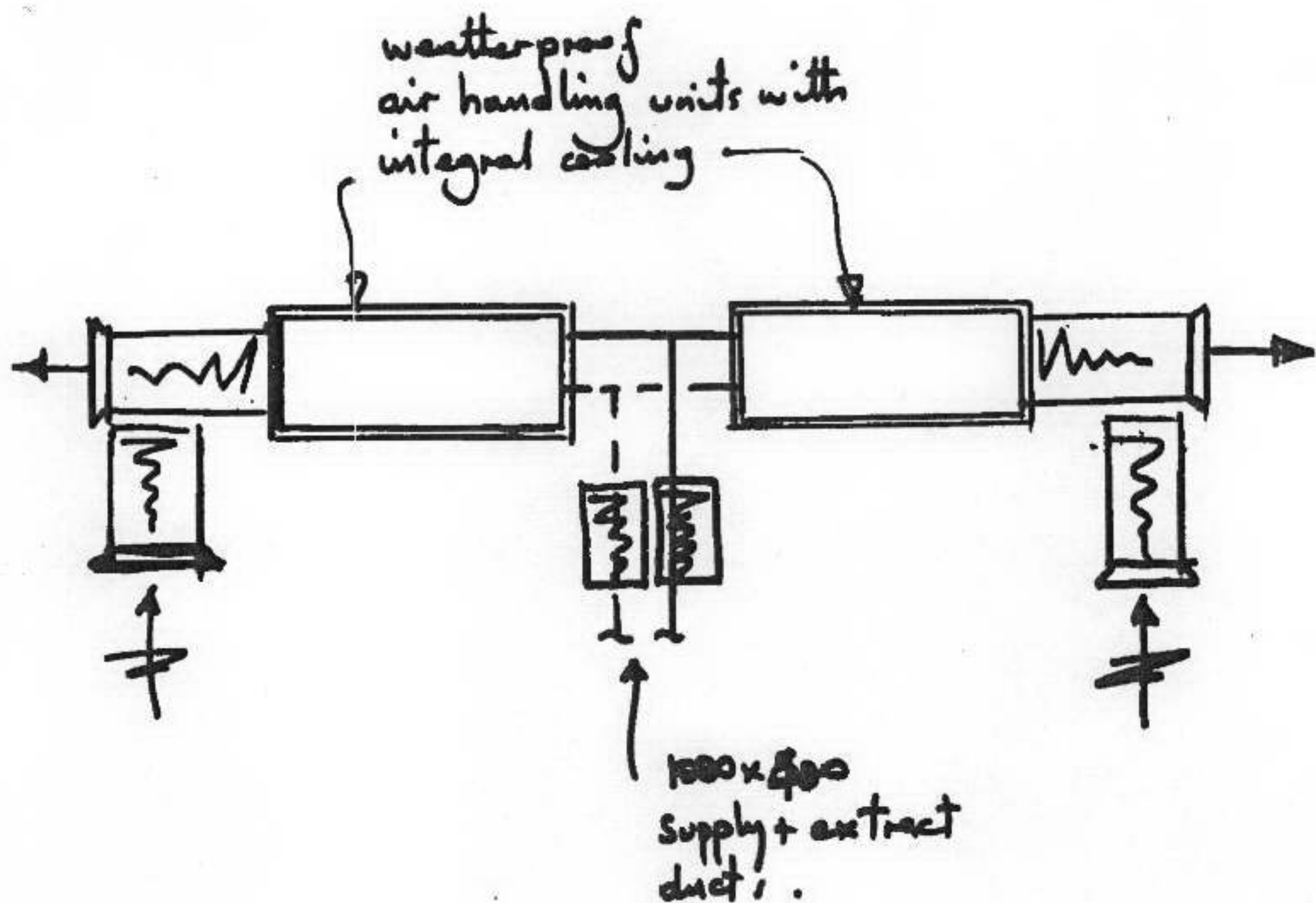
GOLD has ready-to-use cooling functions for controlling and regulating the CoolDX. This also includes provision for communication via the web or a traditional supervisory system.

CoolDX means minimal investment for project designing, purchases and installation!

Swegon CoolDX™

- ✓ **Very quick and simple Installation**
- ✓ **Built-in control equipment which is operated from the GOLD**
- ✓ **Ready for communication via the GOLD**
- ✓ **Stepless comfort control or economy control in 3 steps**
- ✓ **Interlace-connected sections in coils for maximal capacity**
- ✓ **Its location does not expose the extract air fan motor in the GOLD to high temperatures.**





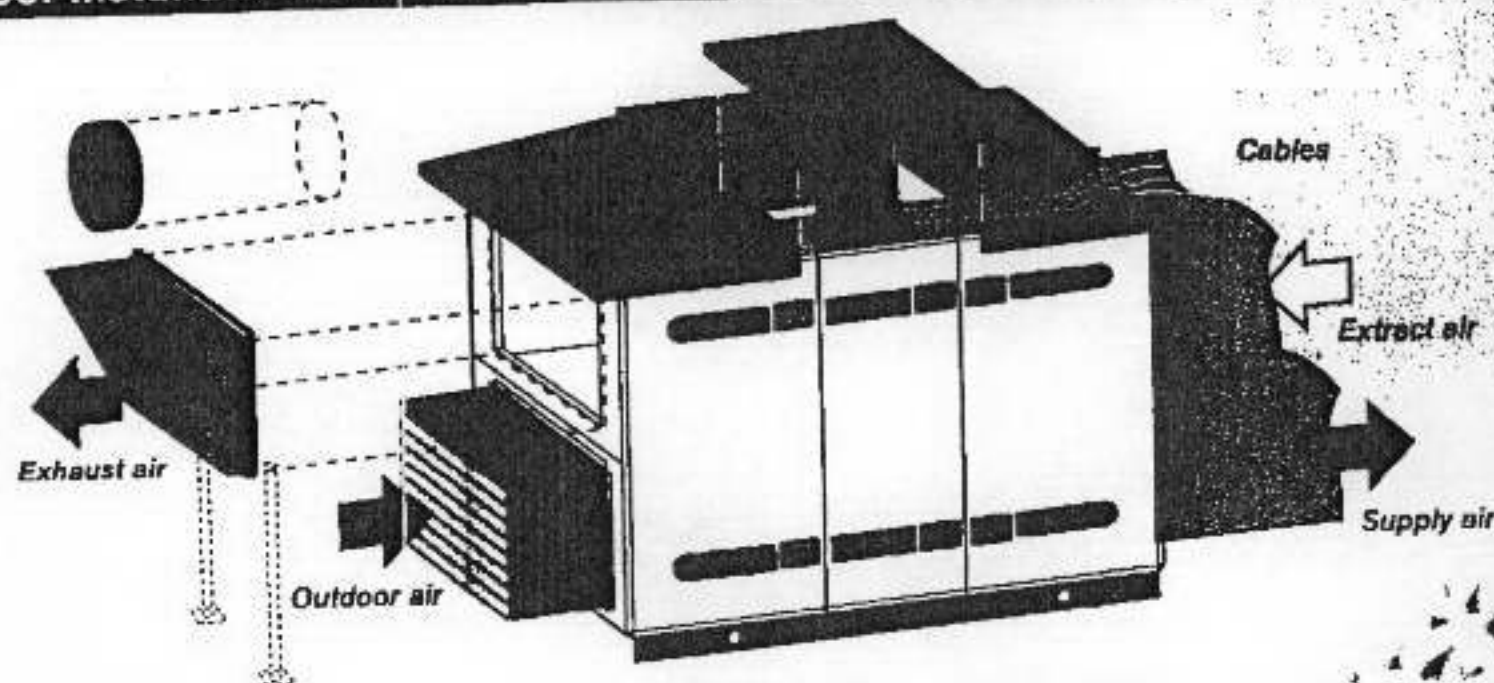
unit dimensions 1250L x 1300W x 1390h.

The American Church in London.

Swegon GOLD

Complements and Accessories

Outdoor installation



The GOLD air handling unit can be located outdoors if the roof, intake air section and exhaust air hood accessories are fitted. A roof panel cannot be fitted where it otherwise would cover the upper fan's top air discharge opening for upward air discharge.



On the size 50/60 and 70/80 GOLD units, the roof consists of corrugated sheet steel and it is also available for protecting coils and dampers.

TBTA Roof

The roof is available in kit form, complete with required assembly parts and sealing strips.

The GOLD size 04-40:

Visible parts are made of pre-painted sheet metal with a 30 µm coating of black polyester.

The GOLD size 50-80:

Visible parts are made of corrugated sheet metal painted in a beige tone, NCS S2005-G60Y.

TBTA Intake air section

Made of aluminium-zinc plated sheet steel. Has fixed louvres that effectively trap raindrops and is equipped with drain holes. The intake air section has rectangular dimensions for all the GOLD sizes and has space provided inside for accommodating an intake air damper, if required. Equipped with a flange with pre-drilled holes and is designed for a bolted connection to the end wall of the air handling unit.

TBTA Exhaust air hood

Made of aluminium-zinc plated sheet steel. Equipped with protective screen. Circular on the size 04/05 and 08 GOLD units and rectangular for slip-clamp connection on the other sizes (the slip clamps are included).

Duct accessories

Dampers

For all GOLD sizes, the dampers can be installed outdoors, on condition that the TBXZ-1-40 weather protection accessory for the damper actuator is fitted or that the damper is in the intake section.

Other

GOLD Sizes 04-40:

Accessories such as reheating coil and silencer should be located indoors

GOLD Sizes 50-80:

Accessories equipped with insulated casing can be installed outdoors on condition that a roof is mounted.

