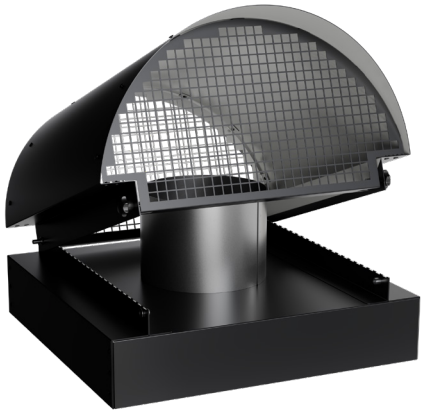
2026-11

ABC–TH1

EXHAUST- OR OUTDOOR AIR



NOTE!
When using a heat pump, the hood and ducts must be insulated against condensation.

USE

Exhaust air or outdoor air roof hood for residential buildings, intended for comfort ventilation or kitchen extract ducts.

DESIGN

The exhaust air or outdoor air section is protected beneath the roof hood's weather cover and fitted with a perforated mesh to prevent small animals from entering. ABC-TH1 has one inner coupling connection in standard spiro dimensions. The roof hood can be opened for cleaning and can be custom-sized to fit an existing roof duct. ABC-TH1 is normally manufactured from patented colour-coated steel in standard building-sheet colours. It is also available in the following materials:

- Colour-coated sheet steel in standard colours
- Zinc-magnesium ZM310
- Zinc-magnesium ZM120
- Stainless steel
- Acid-resistant stainless steel
- Titanium zinc
- Copper
- Aluminium

CARE/MAINTENANCE

Check the need for cleaning once a year. Carry-over of aerosols and powder snow, or the formation of ice, cannot be ruled out under adverse conditions.

EXAMPLE SPECIFICATION TEXT

VVS AMA
QMB.2/QMF.2

ABC-TH1 exhaust air/outdoor air roof hood, manufactured by Swegon. Size 160. Made of patented colour-coated steel.

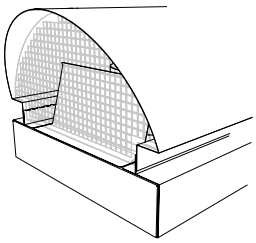
ACCESSORIES



Roof duct ABC-TGTH1



Backdraft damper ABC-BSi

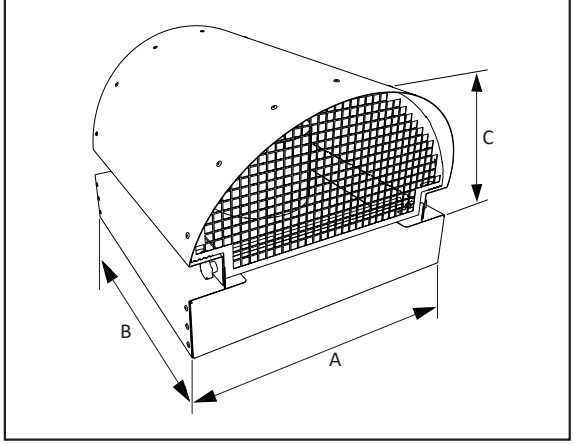


A wind shield is recommended when the roof hood is used for outdoor air, particularly in wind-exposed locations.

SIZE

SIZE ABC-TH1 Ø d inner coupling	A mm	B mm	C mm	Weight[1]
125	400	400	225	4,0
160	400	400	225	4,7
200	400	400	225	4,1

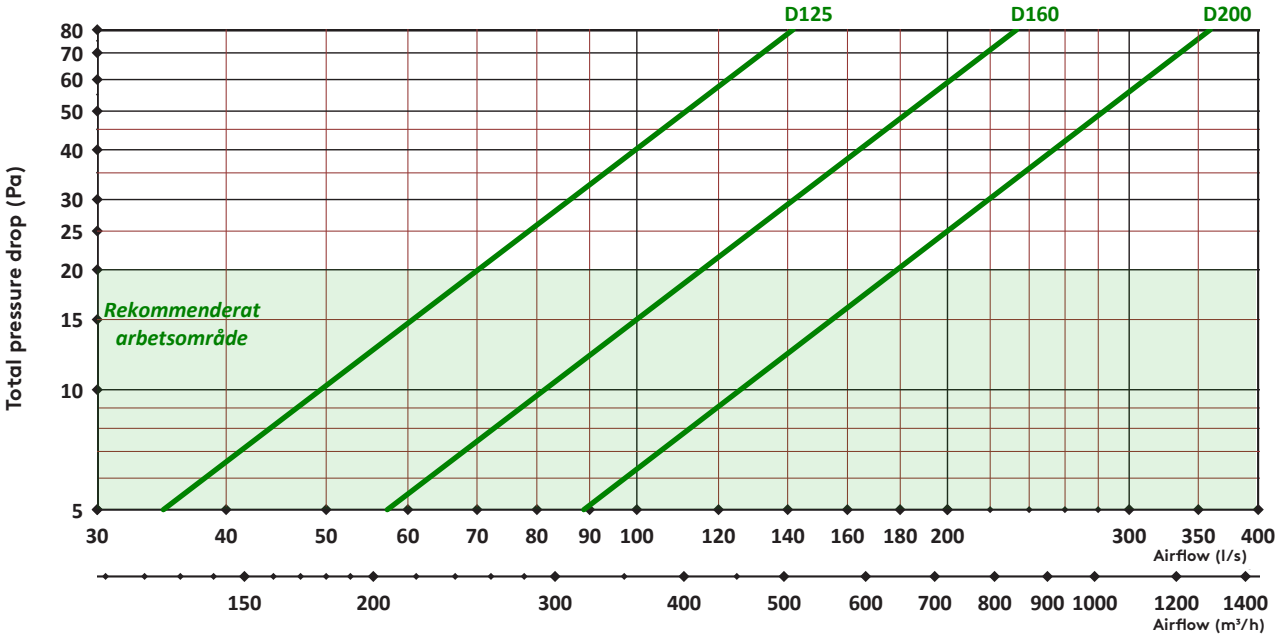
[1] Weight applies to the colour-coated steel version.



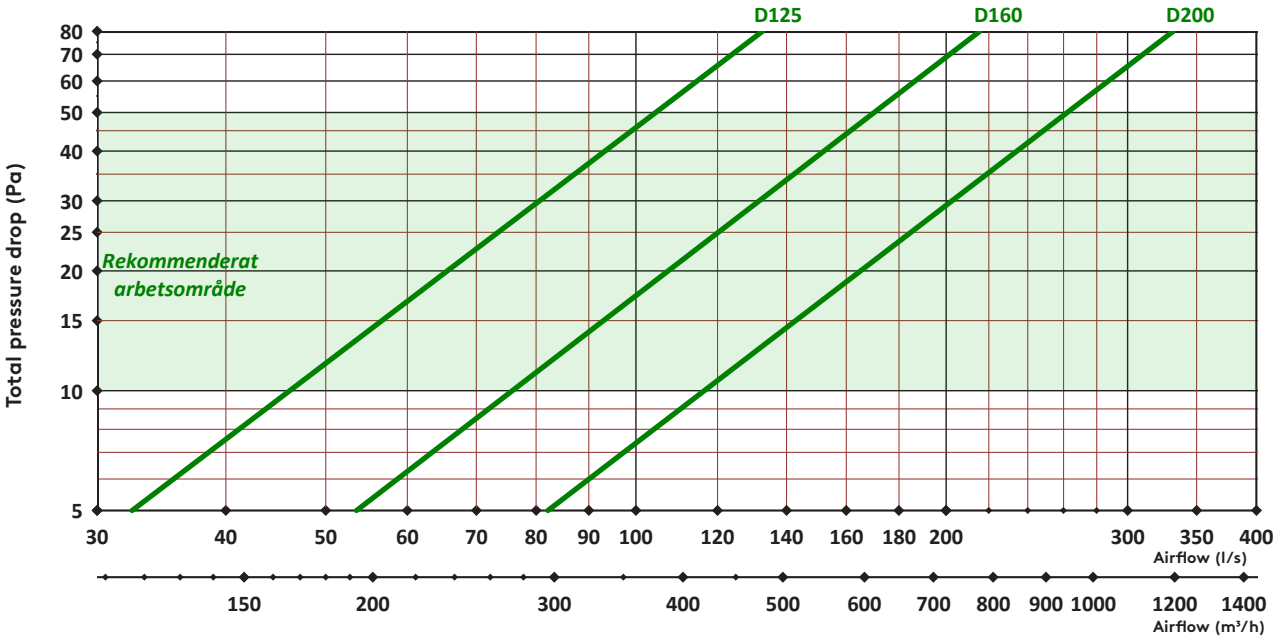
DIMENSIONS

Specified data are guide values.

OUTDOOR AIR



EXHAUST AIR



The green marked area
are a good energy choice

Installation ABC-TH

On a roof duct

1. ABC-TH is designed for installation on an ABC-TGTH roof duct or on an existing roof duct/curb. An ABC-BS backdraught damper is available as an accessory for ABC-TH and is installed inside the duct.

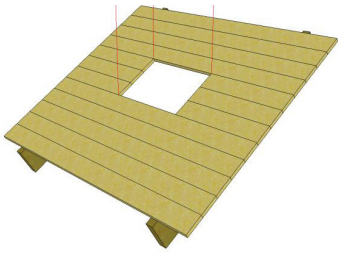
2. ABC-TH is designed with an edge that fits over the outside of the roof duct. When installing combination roof hoods, ensure that the roof hood is positioned correctly, with the exhaust air and outdoor air sections aligned with their respective ducts in the roof duct.

3. Once the roof hood is positioned so that its edge covers the roof duct, secure it in place using suitable screws.

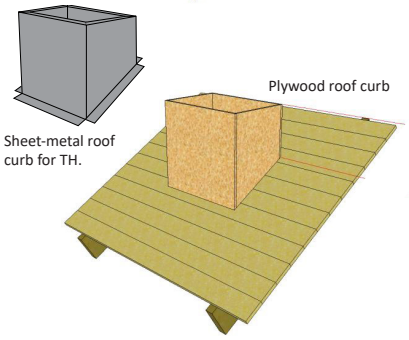


Installation ABC-TH

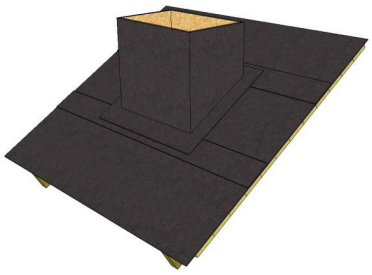
On a roof curb



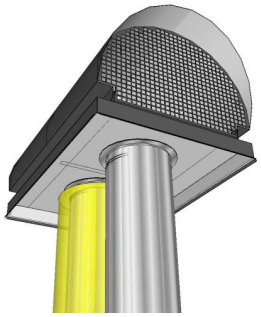
1. First, ensure that the opening in the new or existing roof is not made above any load-bearing elements.
The required opening dimensions may vary depending on the roof pitch. Refer to the dimensions specified for the relevant TH model. The installation procedure is the same for both new and existing roofs, regardless of the roofing



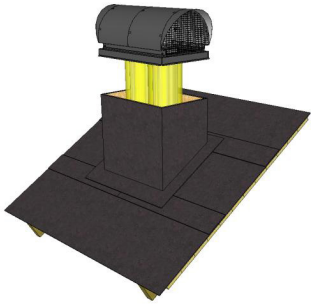
2. Secure a sheet-metal or plywood roof curb for the TH with screws (see illustration).
The roof curb must be 300–350 mm high at the rear, towards the roof ridge, and may be reinforced internally at the corners and along the top edge if required.
A suitable plywood thickness is approximately 18 mm.
Ensure that sufficient space is allowed for roofing felt, standing-seam metal roofing or other roofing material.



3. The plywood roof curb is then fully covered up to the top edge using the same type of roofing material as the rest of the roof, for example roofing felt, as shown in the illustration. For standing-seam metal roofing, the sheet metal is folded up to the top edge of the roof curb.
For tiled roofs, it is recommended that the roof curb is first covered with roofing felt, as shown in the illustration, and then fitted with flashing adapted to the roof tiles.



4. Connect any ventilation ducts to the spigot connections at the bottom of the roof hood, then insulate them against condensation. Ensure that the insulation extends all the way up to the roof hood.
Please note that BOTH ducts must be insulated.

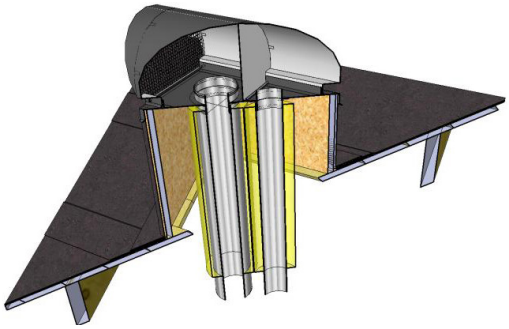


5. Then lower the ducts through the roof curb and the opening in the roof.



6. Secure the roof hood horizontally to the roof curb using self-drilling roofing screws. Select the fixing method as appropriate for the roofing material.

7. If required, the space inside the roof curb, between the roof hood and the roof, can be filled with loose-fill insulation.



8. ABC-TH has a hinged design to facilitate cleaning and maintenance of the ventilation system.

