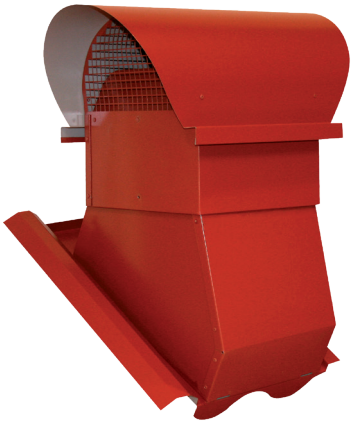
2026-11

ABC–VHS

EXHAUST AIR / OUTDOOR AIR

Tip!
Before the ventilation system is commissioned, the roof hood should be covered to prevent condensation problems.



USE
Exhaust air/outdoor air roof hood for residential buildings, designed for comfort ventilation or kitchen extract air. The bottom section is installed to match the pitch of the roof.

DESIGN
The exhaust air/outdoor air section is protected beneath the roof cover of the roof hood and fitted with a wire mesh screen to prevent small animals from entering.
The top section is installed vertically and can be adjusted to roof pitches between 11–40°. For roof pitches of 41–50°, see the tunnel top illustration below. The standard version is designed for double-lap concrete roof tiles. The duct is insulated inside the hood with 30 mm stone wool. The roof hood is supplied complete with an under-roof flashing. ABC-VHS is normally manufactured from patented colour-coated steel and is available in standard roofing sheet colours, as well as in other materials:

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

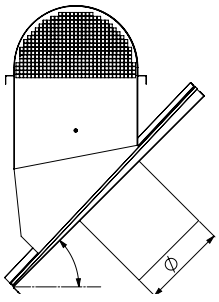
ALSO AVAILABLE FOR:
- Clay roof tiles
- Alternative top section for roof pitches of 41–50°
- Single-lap tile configuration

CARE/MAINTENANCE
Under unfavourable conditions, carry-over of aerosols and powder snow, as well as ice formation, cannot be ruled out.

EXAMPLE SPECIFICATION TEXT
VVS AMA
QMB.2/QMF.2

ABC-VHS exhaust air/outdoor air roof hood by Swegon. Size 125. Manufactured from patented colour-coated steel.

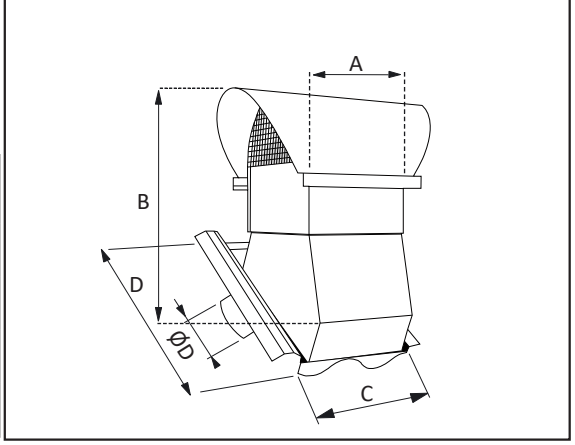
Alternative top section for roof pitches of 40–51°



Distance corrected sound level dB(A)	
Distance m	Correction dB(A)
5	-22
10	-28
15	-32
20	-34
30	-38
40	-40
50	-42
60	-44

SIZE

Size ABC-VHS	A mm	B mm	C+D	Ø D	Weight
125*	230	ca 500	Replaces one concrete roof tile	125	11,0
160	230	ca 500	Replaces one concrete roof tile	160	11,0
200	360	ca 600	Replaces four concrete roof tiles	200	12,0
250	360	ca 600	Replaces four concrete roof tiles	250	15,0

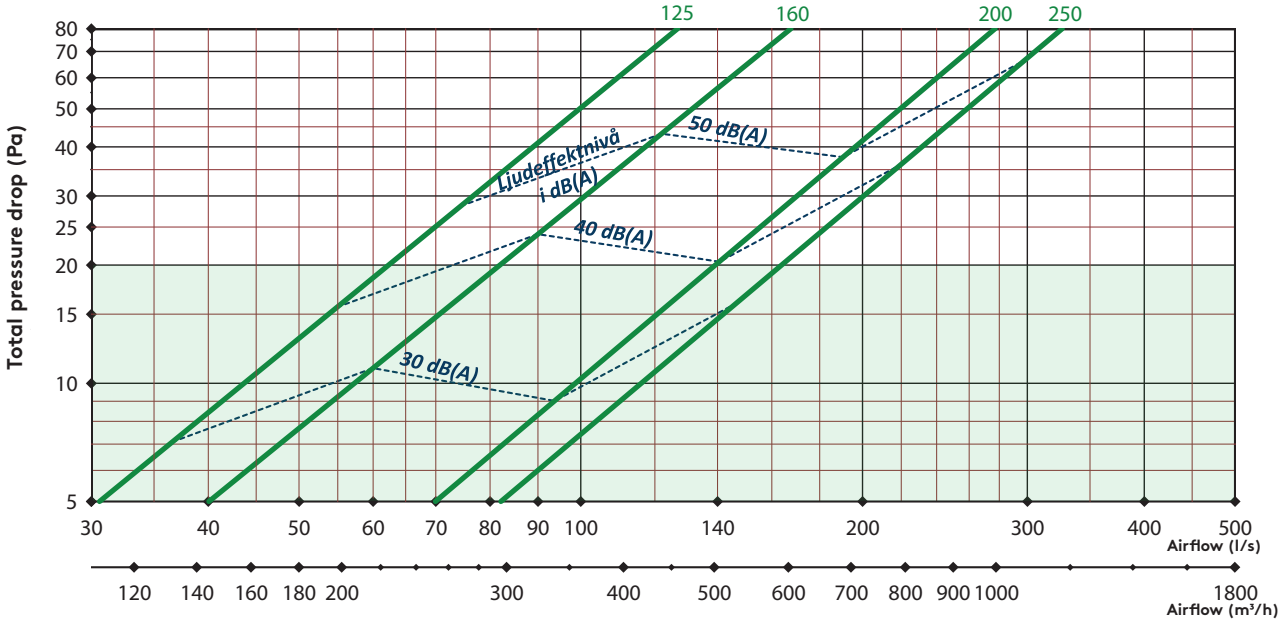


For size Ø125, Ø160 is used with a reducer.

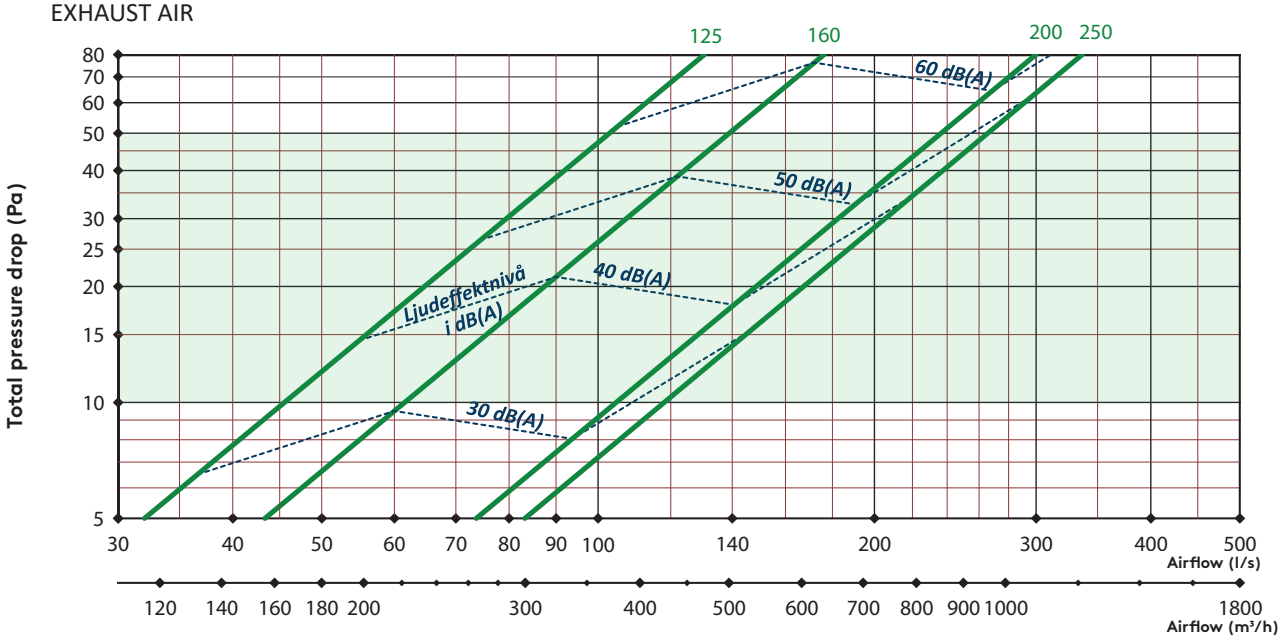
DIMENSIONS

Specified data are guide values.

OUTDOOR AIR



EXHAUST AIR



The green marked area
are a good energy choice

Sound and pressure measurements performed by RISE

Installation ABC-VHS



VHS (1 connection)

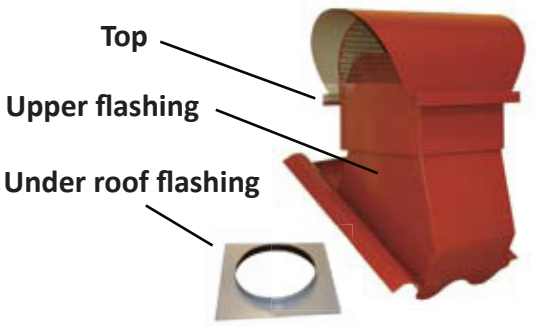
VHS Ø125–160 replaces 1 roof tile
VHS Ø200–250 replaces 4 roof tiles

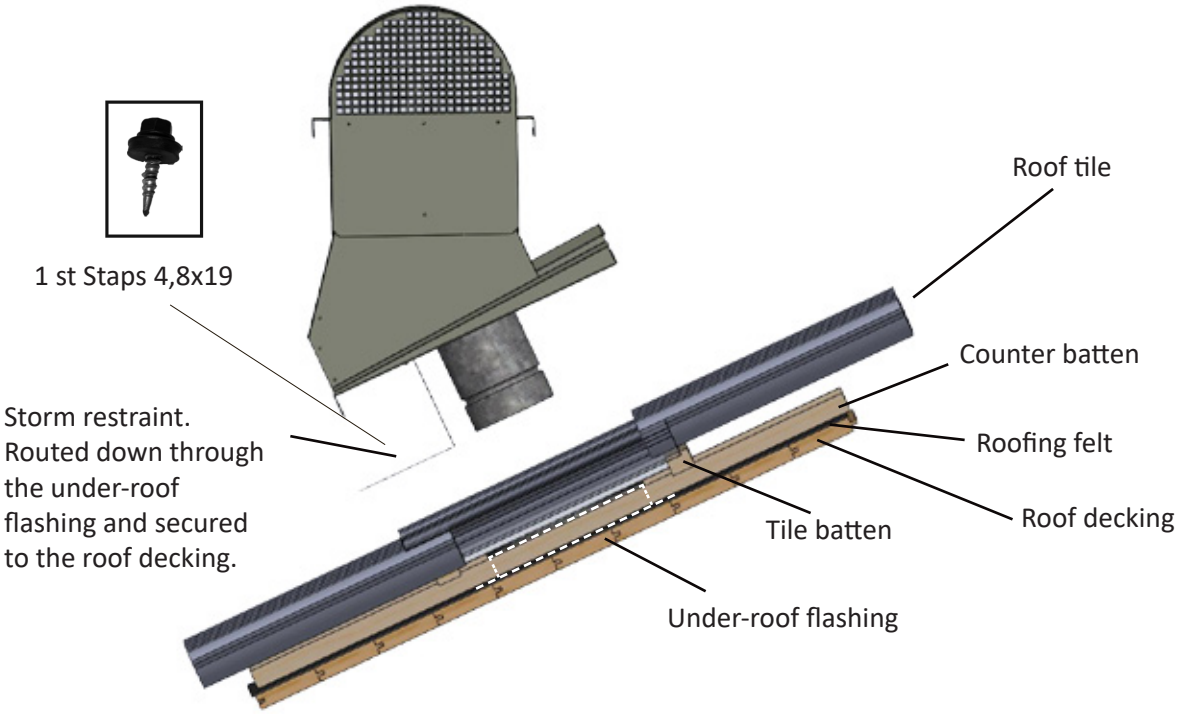
Applies to standard double-lap concrete roof tiles.

INCLUDED COMPONENTS
2 + 1 pcs. STAPS 4.8 × 19 – 2 for top section, 1 for storm protection

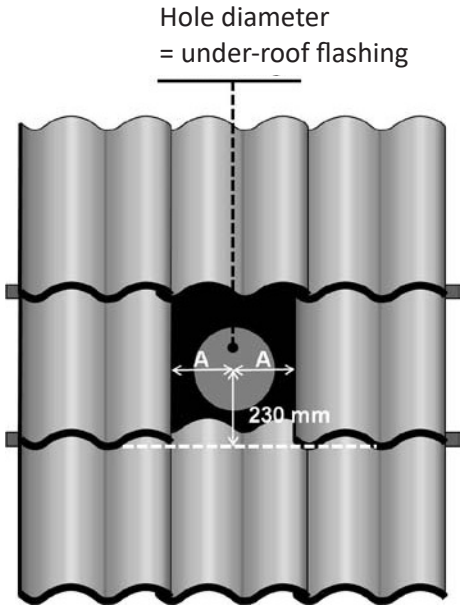
2 pcs. STAPS 4.8 × 35 – Upper flashing

4 pcs. PKM 4.8 × 19 – Under-roof flashing





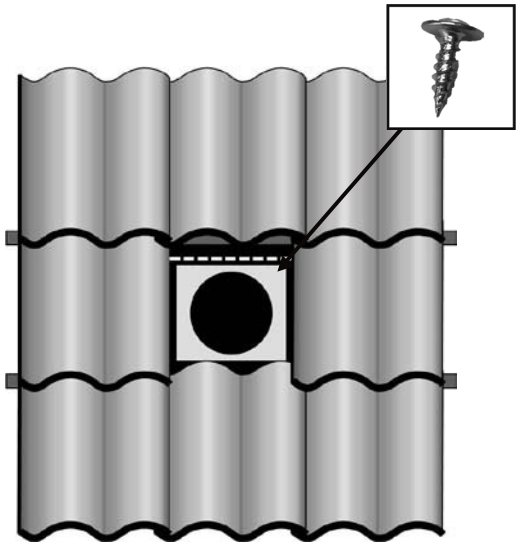
Installation ABC-VHS



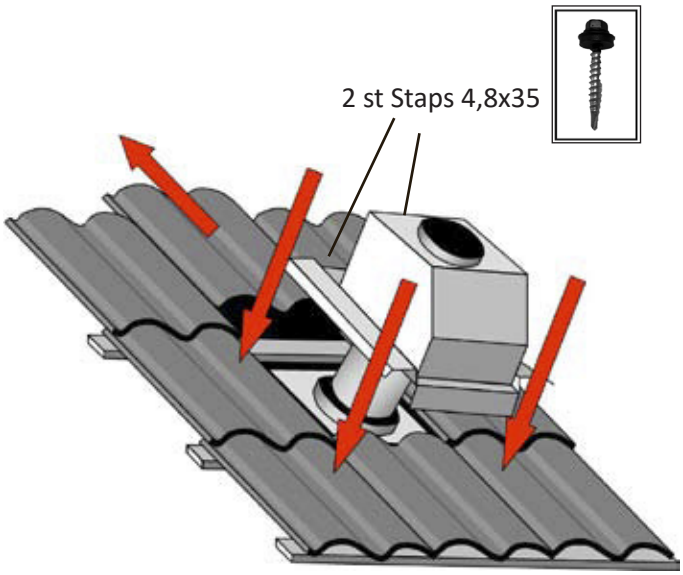
1. INSTALLATION
Mark the position where the roof hood is to be installed. Remove the required number of roof tiles. Make sure that the opening will not be located directly above a roof truss or in another unsuitable position. The opening must be cut perpendicular to the roof surface.

Installation of sizes 125/160:
Vertically, the centre of the opening must be located 230 mm from the front edge of the roof tiles.
Horizontally, the opening must be centred so that dimension A is equal on both sides.

Installation of sizes 200 and 250:
The centre of the opening must be located 400 mm from the lower edge.

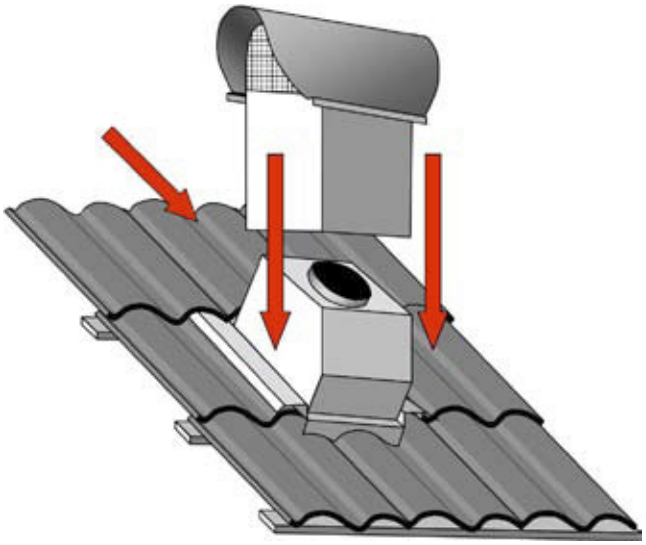


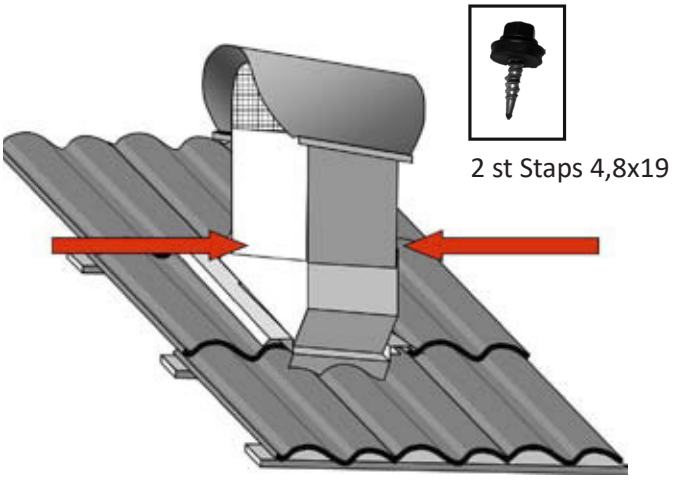
2. Cut a slit in the roofing underlay and slide 20 mm of the under-roof flashing underneath it.
Secure the flashing using the supplied PKM screws.
Seal all joints and screw heads with a water-repellent sealant.





3. Slide the roof tiles above the installation area upwards towards the ridge to facilitate installation of the upper flashing. Fit the upper flashing to the hood at the same pitch as the roof. To do this, insert the insulated duct down through the under-roof flashing.
Then secure the upper flashing to the roof structure by screwing it into the existing battens/roof decking.





4. Install the top section vertically. Secure it to the upper flashing using the supplied screws.
After installation, slide the roof tile(s) above the roof hood back into position.