

ABC-CHZ

COMBINATION ROOF HOOD



For higher exhaust airflow rates, we recommend version B of our standard exhaust air roof hoods. This version is intended for higher airflow rates and a total pressure drop of at least 20 Pa.

USE

ABC-CHZ is a combined exhaust and outdoor air roof hood with upward exhaust discharge, designed for comfort ventilation.

DESIGN

The outdoor air intake is protected beneath the roof hood's top cover and fitted with wire mesh to prevent small animals from entering. Lifting eyes are standard from size 800 upwards. ABC-CHZ is usually manufactured from patented colour-coated steel in standard building steel colours, but is also available in other materials:

- Colour-coated sheet steel in standard colours
- Zinc-magnesium ZM310
- Zinc-magnesium ZM120
- Aluzinc
- Stainless steel
- Acid-resistant stainless steel

- Titanium zinc
- Copper
- Aluminium

CARE AND MAINTENANCE

Check whether cleaning is required once a year. Under adverse conditions, ingress of aerosols and powder snow, or ice formation, cannot be ruled out.

EXAMPLE SPECIFICATION TEXT

VVS AMA

QMB.2/QMF.2

Combined exhaust and outdoor air roof hood ABC-CHZ, manufactured by Swegon. Size 800.

ACCESSORIES

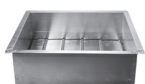


Roof duct ABC-TGC with internal mineral wool insulation, 50 or 100 mm, with high density and a cleanable surface layer. Standard length is 800 mm.



Sound attenuating roof duct ABC-TGCLD with internal mineral wool insulation, 50 or 100 mm, with high density and a cleanable surface layer. Standard length is 800 mm

Distance correction for 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



Backdraft ABC-BSC



Bottom connection circular ABC-ÖGC



Bottom connection rectangular ABC-BANSC



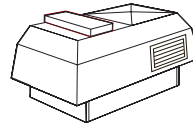
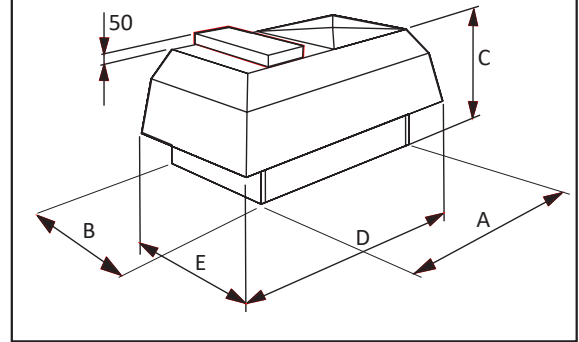
Accessories for increased throw length

MEASUREMENTS/SIZE

Size CHZ	Weight ² kg	A mm	B mm	C mm	D mm	E mm	Size ABC-TGC ¹
200	16	800	400	390	1050	650	200
300	24	1000	500	500	1300	800	300
400	34	1200	600	560	1650	1050	400
500	40	1400	700	650	1900	1200	500
600	53	1600	800	750	2100	1300	600
800	127	2000	1000	950	2700	1700	800
1000	132	2400	1200	950	3100	1900	1000
1200	178	2800	1400	1050	3500	2100	1200
1400	261	3200	1600	1400	4000	2400	1400
1600 *	393	3600	1800	1600	4300	2500	1600

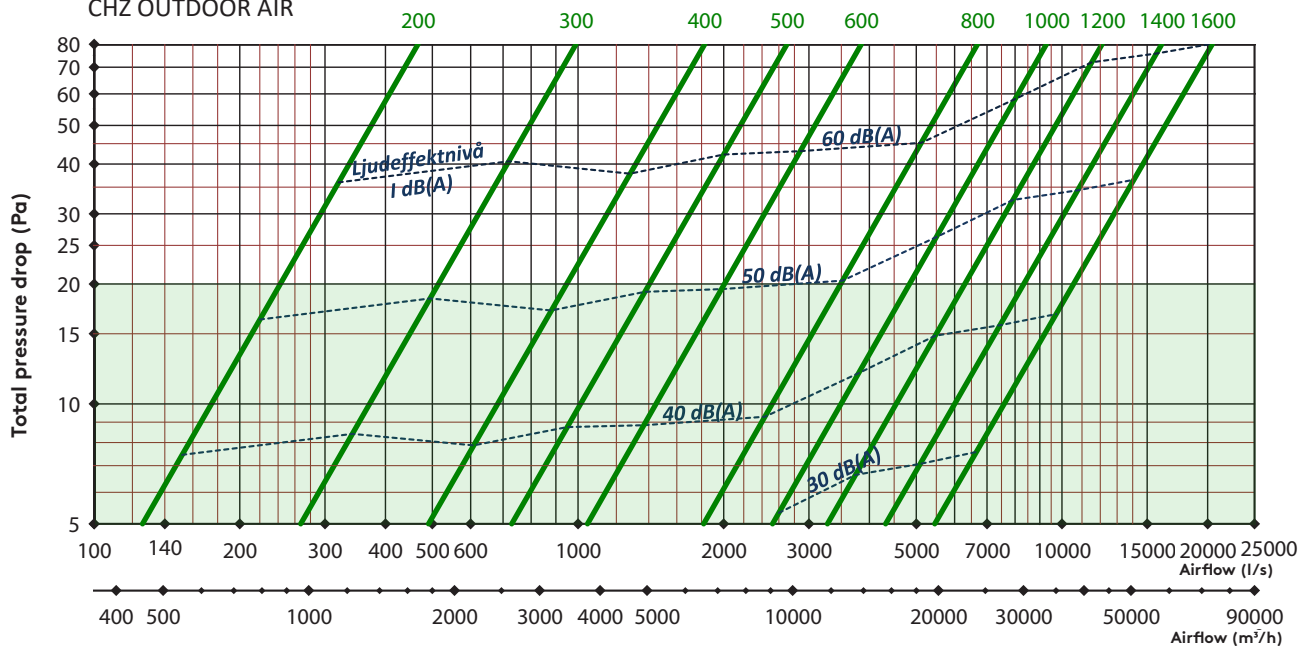
1 Available with internal mineral wool insulation, 50 or 100 mm

2 Weight applies to version in pre-coated steel

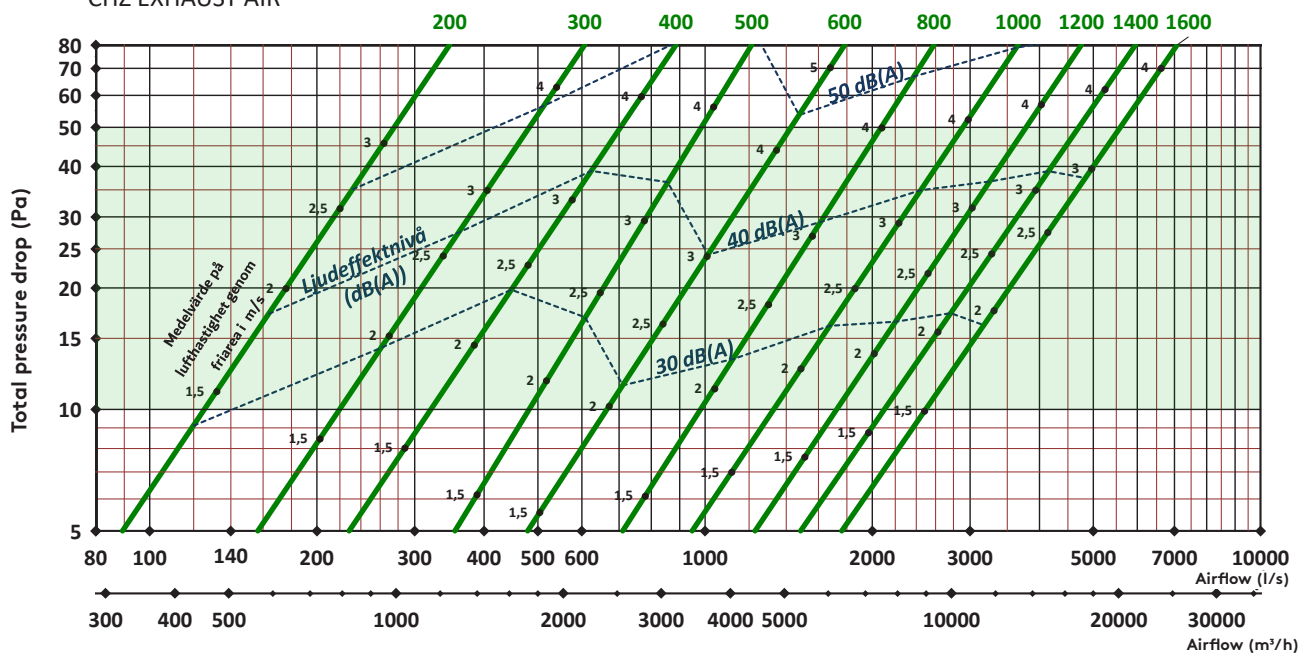


* This size has three recessed louvres on the sides.

CHZ OUTDOOR AIR



CHZ EXHAUST AIR



Green highlighted area indicates a good energy choice for low SFP values.

Sound and pressure measurements carried out by RISE.

Installation

1. ABC hoods are designed for installation on a roof duct, such as ABC-TG, TGC, TGLD, or on an existing roof duct. As an accessory for exhaust air hoods, a non-return damper, ABC-BS, is available and is installed between the roof hood and the roof duct. The non-return damper is placed in the opening of the roof duct and is attached with metal screw above the stop ledge against the roof duct.

2. ABC's square / rectangular hoods, exhaust / intake air and combi roof hoods are designed with an edge that is placed outside the roof duct.

When installing combi hoods, make sure that the hood is placed the right way - exhaust air and intake air over the right duct in the roof duct.

3. Once the hood is positioned so that its flange covers the roof duct, it shall be securely fastened, preferably using M8 bolts and nuts (depending on size). Fix the hood to the roof duct and drill the required number of holes through both the roof duct and the roof hood.

For larger roof hoods, it's recommended to attach them to the roof with metal wires.

