

ABC-TGC

ROOF DUCT



- Designed with internal mineral wool insulation, 50 mm or 100 mm, with high density and a cleanable surface layer
- Standard length 800 mm
- Available in lengths of 1000, 1150, 1400, and 1600 mm
- Mounting brackets included

USE

Roof duct for installation of rectangular combination / double hoods.

DESIGN

Made with internal mineral wool insulation, 50 mm or 100 mm, with high density and a cleanable surface layer. Standard length is 800 mm. Available in lengths of 1000, 1150, 1400, and 1600 mm. Mounting brackets are included. Manufactured in ZM120 zinc-magnesium coated steel, but also available in other materials:

Zinc magnesium ZM120

Zinc magnesium ZM310

Aluzinc

Stainless steel

Acid-resistant stainless steel

MAINTENANCE

Inspection of the product should be done at least once a year.

EXAMPLE, DESCRIPTIVE TEXT

VVS AMA

QLF.2

Roof duct ABC-TGC by Swegon. Size 300

Meade of zinc-magnesium ZM120. Length 1000 mm.

Mineral wool insulation 50 mm.

ACCESSORIES



ABC-BSC



ABC-ÖGC
Bottom connection,
2 x circular

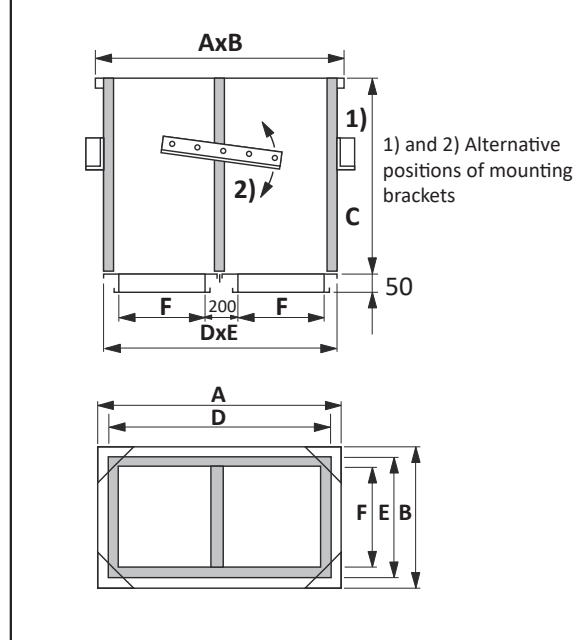
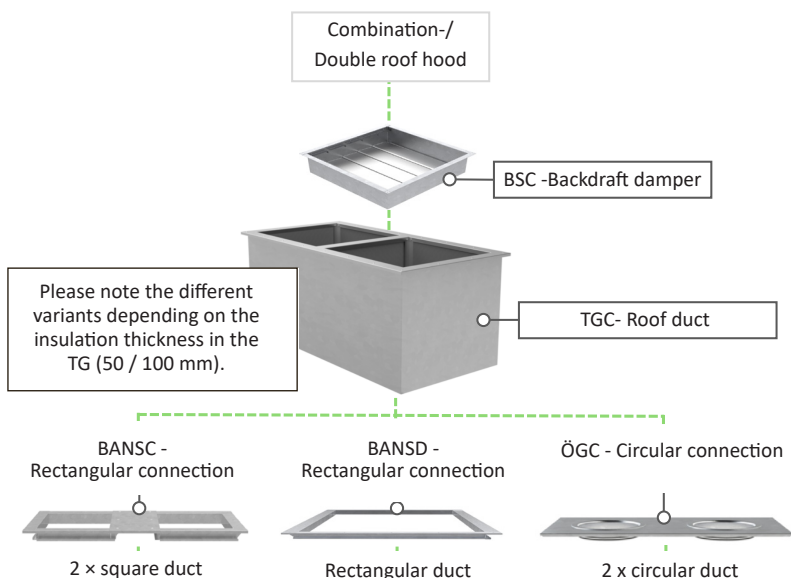


ABC-BANSC
Bottom connection,
2 x square



ABC-BANS D
Bottom connection,
rectangular

ACCESSORY OVERVIEW ABC-TG



MEASUREMENTS/SIZE

Size ABC-TGC	Weight kg 50 mm isol. ¹ längd 800	Weight kg 100 mm isol. ² längd 800	AxB	C	DxE	F 50 mm ¹	F 100 mm ¹
200	31	41	780x380	800	700x300	200	100
300	40	53	980x480	800	900x400	300	200
400	48	65	1180x580	800	1100x500	400	300
500	57	77	1380x680	800	1300x600	500	400
600	67	90	1580x780	800	1500x700	600	500
700	76	102	1780x880	800	1700x800	700	600
800	84	114	1980x980	800	1900x900	800	700
1000	102	138	2380x1180	800	2300x1100	1000	900
1200	119	161	2780x1380	800	2700x1300	1200	1100
1400	136	185	3180x1580	800	3100x1500	1400	1300
1600	155	210	3580x1780	800	3500x1700	1600	1500
1800	172	234	3980x1980	800	3900x1900	1800	1700
2000	190	258	4380x2180	800	4300x2100	2000	1900

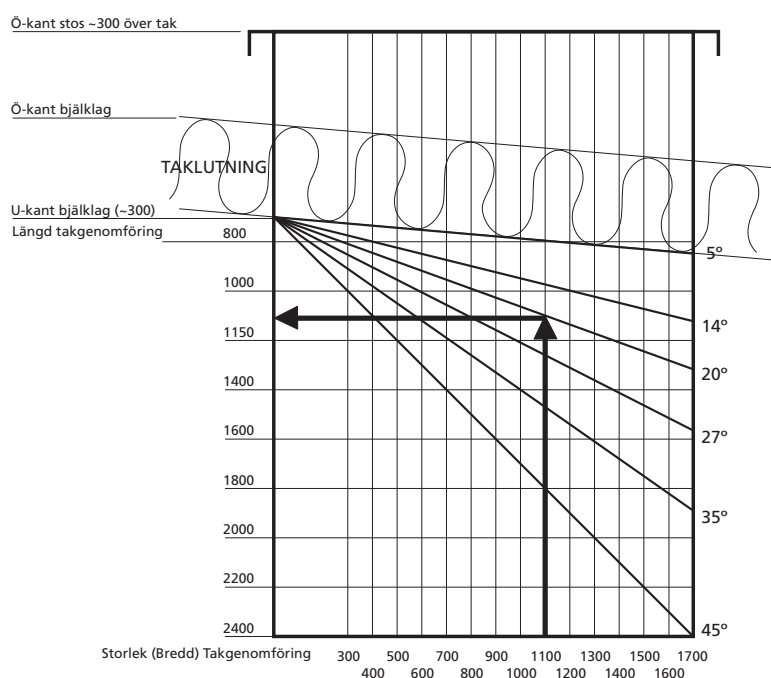
Roof opening for roof duct = $D \times E + 20 \text{ mm}$.

Size ABC-BANSC	Size ABC-ÖGC	Connection size ABC-ÖGC	Size ABC-BSC	Size ABC-BSC ¹
2*200x200	200	2 * Ø 200	200	270x200
2*300x300	300	2 * Ø 315	300	370x300
2*400x400	400	2 * Ø 400	400	470x400
2*500x500	500	2 * Ø 500	500	570x500
2*600x600	600	2 * Ø 630	600	670x600
2*700x700	700	2 * Ø 630	700	770x700
2*800x800	800	2 * Ø 800	800	870x800
2*1000x1000	1000	2 * Ø 1000	1000	1070x1000
2*1200x1200	1200	Off	1200	1270x1200
2*1400x1400	1400	Off	1400	1470x1400
2*1600x1600	1600	Off	1600	1670x1600

¹ Mineral wool insulation, 50 mm, high density, with a cleanable surface layer.

² Mineral wool insulation, 100 mm, high density, with a cleanable surface layer.

LENGTH DIAGRAM FOR PITCHED ROOFS FOR ABC-TG/TGLD
(FOR TGC/TGCLD INSTALLED ALONG THE RIDGE)



Exempel, förutsättningar: Taklutning 20°
Takgenomföring ABC-TG 1100.

Gå in i diagrammet på BREDD-mått I 100, följ linjen uppåt tills Du träffar linjen för taklutning 20° U-kant bjälklag, (motsvarar en bjälklagstjocklek på 300 mm), Gå ut till vänster och läs av längden, välj närmast längre, i vårt fall välj LÄNGD I 150.

Roof opening dimensions table – Pitched roofs

Angle (°)	Length, width (mm)																									
	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1900	2100	2300	2500	2700	2900	3100	3300	3500		
5	321	422	522	622	723	823	923	1024	1124	1225	1325	1425	1526	1626	1726	1927	2128	2329	2530	2730	2931	3132	3333	3533		
10	325	426	528	629	731	832	934	1035	1137	1239	1340	1442	1543	1645	1746	1955	2156	2358	2559	2761	2962	3164	3365	3567		
12	327	429	531	633	736	838	940	1042	1145	1247	1349	1451	1554	1656	1758	1982	2184	2387	2589	2791	2994	3196	3398	3600		
15	331	434	538	641	745	848	952	1055	1159	1262	1366	1469	1573	1676	1780	2010	2213	2416	2619	2822	3025	3228	3431	3634		
17	334	438	543	647	752	857	961	1066	1170	1275	1379	1484	1589	1693	1798	2037	2241	2445	2649	2853	3057	3260	3464	3668		
20	339	446	552	659	765	871	978	1084	1191	1297	1403	1510	1616	1723	1829	2042	2255	2468	2680	2893	3106	3319	3532	3745		
22	344	451	559	667	775	883	991	1099	1206	1314	1422	1530	1638	1746	1854	2099	2315	2532	2748	2965	3181	3398	3614	3831		
25	351	461	572	682	792	903	1013	1123	1234	1344	1454	1565	1675	1785	1896	2128	2345	2563	2780	2998	3215	3432	3650	3867		
27	357	469	581	693	806	918	1030	1142	1255	1367	1479	1591	1703	1816	1928	2158	2376	2594	2812	3031	3249	3467	3685	3903		
30	366	482	597	713	828	944	1059	1175	1290	1406	1521	1637	1752	1868	1983	2187	2407	2626	2845	3064	3283	3502	3721	3940		
32	374	492	610	728	845	963	1081	1199	1317	1435	1553	1671	1789	1907	2025	2260	2496	2732	2968	3204	3440	3675	3911	4147		
35	386	508	630	752	875	997	1119	1241	1363	1485	1607	1729	1851	1973	2095	2339	2584	2828	3072	3316	3560	3804	4049	4293		
37	396	521	646	771	896	1022	1147	1272	1397	1523	1648	1773	1898	2023	2149	2399	2649	2900	3150	3401	3651	3902	4152	4402		
40	412	542	673	803	934	1064	1195	1325	1456	1586	1717	1848	1978	2109	2239	2500	2761	3022	3284	3545	3806	4067	4328	4589		
45	444	586	727	869	1010	1151	1293	1434	1576	1717	1858	2000	2141	2283	2424	2707	2990	3273	3556	3838	4121	4404	4687	4970		
Conversion table																										
Slope	1:1	1:1,5		1:2		1:2,5		1:3		1:4		1:5		1:6		1:8		1:12		1:16						
Angle	45°	33,7°		26,5°		21,8°		18,4°		14°		11,3°		9,5°		7,1°		4,8°		3,5°						
The specified dimension is the exact measurement (including a 20 mm allowance).																										

INSTALLATION INSTRUCTIONS ABC-TGC, TGCLD

Figure 1:

Cut an opening in the roof according to the size of the roof duct, $D \times E + 20 \text{ mm}$.
(A & B dimensions – see product datasheet)
Consider the roof pitch!

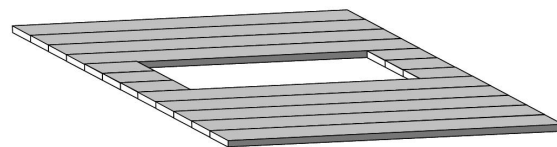
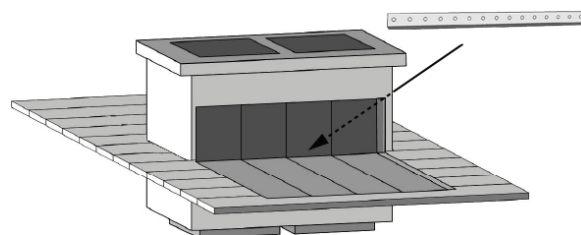


Figure 2:

Use the mounting brackets on the top side to secure the roof duct to the roof along the long side. Then seal the roof duct to the roof as required (roofing felt, sheet metal, etc.).



Installation on base frame

Figure 3:

Construct a base frame (plywood or similar) around the roof opening, sized to fit the roof duct. The height of the curb should be adapted to the length of the roof duct and required height above the roof.

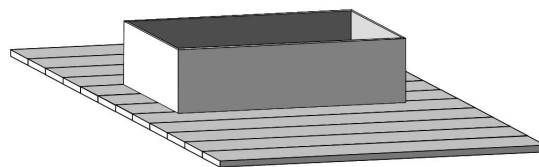


Figure 4:

Loosen the mounting brackets and lower the roof duct into the base frame from above. Seal the base frame to the roof as required (roofing felt, sheet metal, etc.). If necessary, also seal between the roof duct and the base frame.

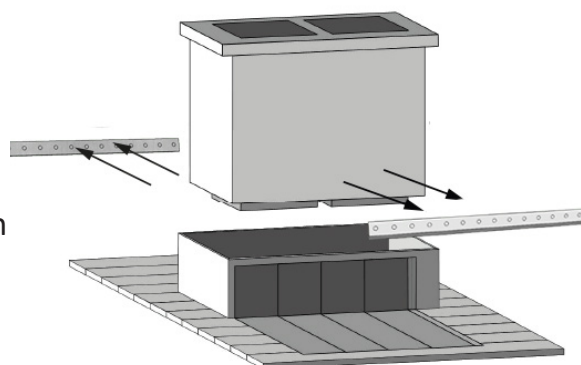


Figure 5:

Fasten the combination brackets to the roof duct and the roof from below using screws.

