

ABC-YGIG

EXHAUST-/OUTDOOR AIR LOUVRE



USE

ABC-YGIG is a ventilation louvre for exhaust- /outdoor air.

WATER SEPARATION

ABC-YGIG is tested according to standard EN 13030:2001. Water separation class C is obtained at speeds 2,5 m/s over free area.

DESIGN

Mounting frame with removable louvre insert and a wire mesh. The louvre blades are designed with a drip channel at the front edge to divert water to the sides to minimize rainwater in the airflow. Manufactured in patented color-coated steel and also available in other materials:

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

SIZE

Size 200x200 - 2000x2000 mm.
BxH can be combined optionally.

ACCESSORIES

Mounting plates
Insect-proof wire mesh
Hinge
Electrical defrosting

MAINTENANCE

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

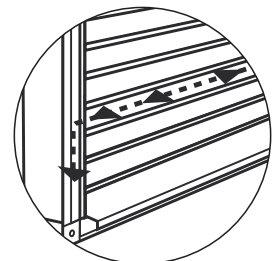
EXAMPLE, DESCRIPTIVE TEXT

Louvre ABC-YGIG by Swegon.
Size 800X800. Manufactured in patented color-coated steel.

The sound power level is reduced by the distance from the louvre, according to the following table:

Distance in meters	1	2	4	6	8	10
Reduction of the sound power level in dB	3	9	15	18	21	24

NOTE: Sound attenuation is calculated using a theoretical formula for attenuation of sounds generated from a flat surface (outdoors).



The louvre blades are designed with a drip channel at the front edge to divert water to the sides to minimize rainwater in the airflow.

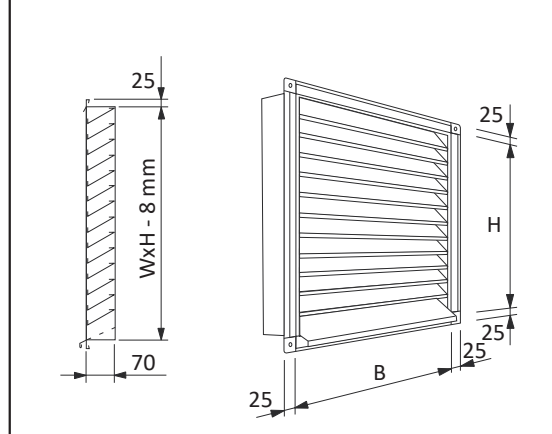
DIMENSIONS - OUTDOOR AIR

Air speed through free louvres area at 2,5 m/s.

We recommend that the air speed through free louvres area is max 2,5 m/s.

The total pressure drop in Pa at the specified air speed is 16 Pa

Sound power level in dB (A) at specified air speed is 39 dB



Outdoor air flow (l/s) at specified air speed through free louvres area:

H \ W	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
200	49	81	114	146	179	211	244	276	309	333	366	398	431	463	496	528	561	593	626
300	79	131	184	236	289	341	394	446	499	538	591	643	696	748	801	853	906	958	1 011
400	109	181	254	326	399	471	544	616	689	743	816	888	961	1 033	1 106	1 178	1 251	1 323	1 396
500	139	231	324	425	509	601	694	786	879	948	1 041	1 133	1 226	1 318	1 411	1 503	1 596	1 688	1 781
600	169	281	394	506	619	731	844	956	1 069	1 153	1 266	1 378	1 491	1 603	1 716	1 828	1 941	2 053	2 166
700	199	331	464	596	729	861	994	1 126	1 259	1 358	1 491	1 623	1 756	1 888	2 021	2 153	2 286	2 418	2 551
800	229	381	534	686	839	991	1 144	1 296	1 449	1 563	1 716	1 868	2 021	2 173	2 326	2 478	2 631	2 783	2 936
900	259	431	604	776	949	1 121	1 294	1 466	1 639	1 768	1 941	2 113	2 286	2 458	2 631	2 803	2 976	3 148	3 321
1000	289	481	674	866	1 059	1 251	1 444	1 636	1 829	1 973	2 166	2 358	2 551	2 743	2 936	3 128	3 321	3 513	3 706
1100	319	531	744	956	1 169	1 381	1 594	1 806	2 019	2 178	2 391	2 603	2 816	3 028	3 241	3 453	3 666	3 878	4 091
1200	349	581	814	1 046	1 279	1 511	1 744	1 976	2 209	2 383	2 616	2 848	3 081	3 313	3 546	3 778	4 011	4 243	4 476
1300	379	631	884	1 136	1 389	1 641	1 894	2 146	2 399	2 588	2 841	3 093	3 346	3 598	3 851	4 103	4 356	4 608	4 861
1400	409	681	954	1 226	1 499	1 771	2 044	2 316	2 589	2 793	3 066	3 338	3 611	3 883	4 156	4 428	4 701	4 973	5 246
1500	439	731	1 024	1 316	1 609	1 901	2 194	2 486	2 779	2 998	3 291	3 583	3 876	4 168	4 461	4 753	5 046	5 338	5 631
1600	469	781	1 094	1 406	1 719	2 031	2 344	2 656	2 969	3 203	3 516	3 828	4 141	4 453	4 766	5 078	5 391	5 703	6 016
1700	499	831	1 164	1 496	1 829	2 161	2 494	2 826	3 159	3 408	3 741	4 073	4 406	4 738	5 071	5 403	5 736	6 068	6 401
1800	529	881	1 234	1 586	1 939	2 291	2 644	2 996	3 349	3 613	3 966	4 318	4 671	5 023	5 376	5 728	6 081	6 433	6 786
1900	559	931	1 304	1 676	2 049	2 421	2 794	3 166	3 539	3 818	4 191	4 563	4 936	5 308	5 681	6 053	6 426	6 798	7 171
2000	589	981	1 374	1 766	2 159	2 551	2 944	3 336	3 729	4 023	4 416	4 808	5 201	5 593	5 986	6 378	6 771	7 163	7 556

DIMENSIONS - EXHAUST AIR

Air speed through free louvres area 3 m/s.

The total pressure drop in Pa at the specified air speed is 22 Pa

Sound power level in dB(A) at specified air speed is 40 dB

For further dimensioning, visit our product
selection program Electio
<https://abcvent.magicad.cloud/>

Exhaust air flow (l/s) at specified air speed through free louvres area:

H \ W	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
200	59	98	137	176	215	254	293	332	371	400	439	478	517	556	595	634	673	712	751
300	95	158	221	284	347	410	473	536	599	646	709	772	835	898	961	1 024	1 087	1 150	1 213
400	131	218	305	392	479	566	653	740	827	892	979	1 066	1 153	1 240	1 327	1 414	1 501	1 588	1 675
500	167	278	389	510	611	722	833	944	1 055	1 138	1 249	1 360	1 471	1 582	1 693	1 804	1 915	2 026	2 137
600	203	338	473	608	743	878	1 013	1 148	1 283	1 384	1 519	1 654	1 789	1 924	2 059	2 194	2 329	2 464	2 599
700	239	398	557	716	875	1 034	1 193	1 352	1 511	1 630	1 789	1 948	2 107	2 266	2 425	2 584	2 743	2 902	3 061
800	275	458	641	824	1 007	1 190	1 373	1 556	1 739	1 876	2 059	2 242	2 425	2 608	2 791	2 974	3 157	3 340	3 523
900	311	518	725	932	1 139	1 346	1 553	1 760	1 967	2 122	2 329	2 536	2 743	2 950	3 157	3 364	3 571	3 778	3 985
1000	347	578	809	1 040	1 271	1 502	1 733	1 964	2 195	2 368	2 599	2 830	3 061	3 292	3 523	3 754	3 985	4 216	4 447
1100	383	638	893	1 148	1 403	1 658	1 913	2 168	2 423	2 614	2 869	3 124	3 379	3 634	3 889	4 144	4 399	4 654	4 909
1200	419	698	977	1 256	1 535	1 814	2 093	2 372	2 651	2 860	3 139	3 418	3 697	3 976	4 255	4 534	4 813	5 092	5 371
1300	455	758	1 061	1 364	1 667	1 970	2 273	2 576	2 879	3 106	3 409	3 712	4 015	4 318	4 621	4 924	5 227	5 530	5 833
1400	491	818	1 145	1 472	1 799	2 126	2 453	2 780	3 107	3 352	3 679	4 006	4 333	4 660	4 987	5 314	5 641	5 968	6 295
1500	527	878	1 229	1 580	1 931	2 282	2 633	2 984	3 335	3 598	3 949	4 300	4 651	5 002	5 353	5 704	6 055	6 406	6 757
1600	563	938	1 313	1 688	2 063	2 438	2 813	3 188	3 563	3 844	4 219	4 594	4 969	5 344	5 719	6 094	6 469	6 844	7 219
1700	599	998	1 397	1 796	2 195	2 594	2 993	3 392	3 791	4 090	4 489	4 888	5 287	5 686	6 085	6 484	6 883	7 282	7 681
1800	635	1 058	1 481	1 904	2 327	2 750	3 173	3 596	4 019	4 336	4 759	5 182	5 605	6 028	6 451	6 874	7 297	7 720	8 143
1900	671	1 118	1 565	2 012	2 459	2 906	3 353	3 800	4 247	4 582	5 029	5 476	5 923	6 370	6 817	7 264	7 711	8 158	8 605
2000	707	1 178	1 649	2 120	2 591	3 062	3 533	4 004	4 475	4 828	5 299	5 770	6 241	6 712	7 183	7 654	8 125	8 596	9 067



Tested for water separation
according to EN 13030 by
VTT, Finland

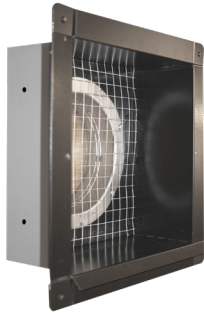
Sound and pressure measurements performed by RISE

FREE LOUVRE AREA

H W	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
200	49%	54%	57%	59%	60%	60%	61%	61%	62%	61%	61%	61%	62%	62%	62%	62%	62%	62%	63%
300	53%	58%	61%	63%	64%	65%	66%	66%	67%	65%	66%	66%	66%	67%	67%	67%	67%	67%	67%
400	54%	60%	63%	65%	66%	67%	68%	68%	69%	68%	68%	68%	69%	69%	69%	69%	69%	70%	70%
500	56%	62%	65%	67%	68%	69%	69%	70%	70%	69%	69%	70%	70%	70%	71%	71%	71%	71%	71%
600	56%	63%	66%	68%	69%	70%	70%	71%	71%	70%	70%	71%	71%	71%	71%	72%	72%	72%	72%
700	57%	63%	66%	68%	69%	70%	71%	72%	72%	71%	71%	71%	72%	72%	72%	72%	73%	73%	73%
800	57%	64%	67%	69%	70%	71%	71%	72%	72%	71%	71%	72%	72%	72%	73%	73%	73%	73%	73%
900	58%	64%	67%	69%	70%	71%	72%	72%	73%	71%	72%	72%	73%	73%	73%	73%	73%	74%	74%
1000	58%	64%	67%	69%	71%	72%	72%	73%	73%	72%	72%	73%	73%	73%	73%	74%	74%	74%	74%
1100	58%	64%	68%	70%	71%	72%	72%	73%	73%	72%	72%	73%	73%	73%	74%	74%	74%	74%	74%
1200	58%	65%	68%	70%	71%	72%	73%	73%	74%	72%	73%	73%	73%	74%	74%	74%	74%	74%	75%
1300	58%	65%	68%	70%	71%	72%	73%	73%	74%	72%	73%	73%	74%	74%	74%	74%	74%	75%	75%
1400	58%	65%	68%	70%	71%	72%	73%	74%	74%	73%	73%	73%	74%	74%	74%	74%	75%	75%	75%
1500	59%	65%	68%	70%	72%	72%	73%	74%	74%	73%	73%	74%	74%	74%	74%	75%	75%	75%	75%
1600	59%	65%	68%	70%	72%	73%	73%	74%	74%	73%	73%	74%	74%	74%	74%	75%	75%	75%	75%
1700	59%	65%	68%	70%	72%	73%	73%	74%	74%	73%	73%	74%	74%	74%	75%	75%	75%	75%	75%
1800	59%	65%	69%	71%	72%	73%	73%	74%	74%	73%	73%	74%	74%	74%	75%	75%	75%	75%	75%
1900	59%	65%	69%	71%	72%	73%	74%	74%	75%	73%	74%	74%	74%	75%	75%	75%	75%	75%	75%
2000	59%	65%	69%	71%	72%	73%	74%	74%	75%	73%	74%	74%	74%	75%	75%	75%	75%	75%	76%

Installation:

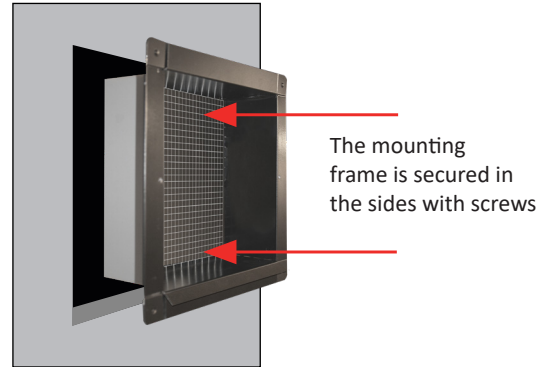
ABC -YGIG



Mounting frame



Louvre insert



1:

The dimensions are always stated with the width (B) before the height (H), ex: YG 500x300, 500 width, 300 height. The louvre consists of a mounting frame with removable louvre insert. Start by loosening the mounting screws that secure the louvre insert to the mounting frame. Lift out the insert so that the frame is empty. In larger sizes, one or more U-profiles are in the frame - leave these in place - the frame will then be more stable and easier to mount.

2:

Make an opening in the wall according to the size of the louvre. Then mount the frame and attach it with the required fastening material and sealing compound depending on the type of facade material.



Attach the insert with the supplied screws.

3:

After the mounting frame is fixed to the wall, attach the louvre insert with the supplied screws.