

ABC-YG

EXHAUST-/OUTDOOR AIR LOUVRE



USE

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

WATER SEPARATION

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

DESIGN

Mounting frame with removable louvre insert and a wire mesh. It is typically manufactured in patented, colour-coated steel and follows standard building steel colours, but is 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

WEIGHT

Weight per m² ca 14kg

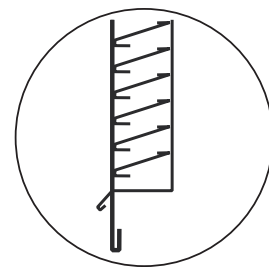
SIZE

EXAMPLE, DESCRIPTIVE TEXT

VVS AMA

QMB.1/QMF.1

External louvre ABC-YG by Swegon-
Size 800X800. Manufactured in
patented color-coated steel.



Standard
louvre blades

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).

SELECTION TABLE - OUTDOOR AIR

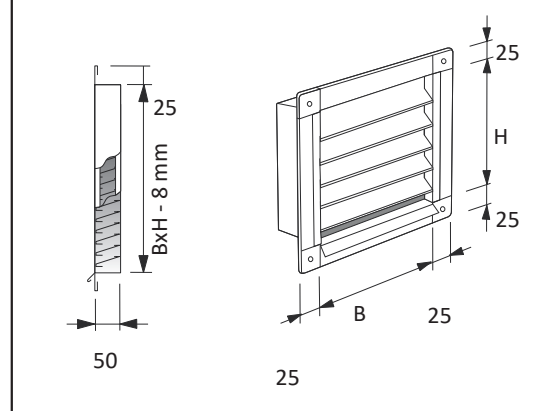
Air speed through free louvres area at 2 m/s.

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

The total pressure drop in Pa at the specified air speed is 11 Pa

Sound power level in dB (A) at specified air speed is 33 dB

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



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	30	54	75	95	116	136	127	146	164	182	201	219	238	256	261	280	298	316	335
300	62	98	134	170	206	243	243	277	311	346	380	414	448	482	497	531	565	599	634
400	89	141	193	245	297	349	359	409	459	509	559	609	659	709	732	782	832	882	932
500	117	185	252	320	388	456	475	540	606	672	738	804	869	935	968	1 034	1 100	1 165	1 231
600	144	228	312	395	479	562	590	672	754	835	917	998	1 080	1 162	1 204	1 285	1 367	1 448	1 530
700	172	271	371	470	570	669	706	804	901	998	1 096	1 193	1 291	1 388	1 439	1 537	1 634	1 731	1 829
800	200	315	430	545	660	776	822	935	1 048	1 162	1 275	1 388	1 501	1 614	1 675	1 788	1 901	2 014	2 128
900	227	358	489	620	751	882	938	1 067	1 196	1 325	1 454	1 583	1 712	1 841	1 910	2 039	2 168	2 297	2 426
1000	255	402	548	695	842	989	1 054	1 198	1 343	1 488	1 633	1 778	1 922	2 067	2 146	2 291	2 436	2 580	2 725
1100	282	445	608	770	933	1 095	1 169	1 330	1 491	1 651	1 812	1 972	2 133	2 294	2 382	2 542	2 703	2 863	3 024
1200	310	488	667	845	1 024	1 202	1 285	1 462	1 638	1 814	1 991	2 167	2 344	2 520	2 617	2 794	2 970	3 146	3 323
1300	338	532	726	920	1 114	1 309	1 401	1 593	1 785	1 978	2 170	2 362	2 554	2 746	2 853	3 045	3 237	3 429	3 622
1400	365	575	785	995	1 205	1 415	1 517	1 725	1 933	2 141	2 349	2 557	2 765	2 973	3 088	3 296	3 504	3 712	3 920
1500	393	619	844	1 070	1 296	1 522	1 633	1 856	2 080	2 304	2 528	2 752	2 975	3 199	3 324	3 548	3 772	3 996	4 219
1600	420	662	904	1 145	1 387	1 628	1 748	1 988	2 228	2 467	2 707	2 946	3 186	3 426	3 560	3 799	4 039	4 279	4 518
1700	448	705	963	1 220	1 478	1 735	1 864	2 120	2 375	2 630	2 886	3 141	3 397	3 652	3 795	4 051	4 306	4 562	4 817
1800	476	749	1 022	1 295	1 568	1 842	1 980	2 251	2 522	2 794	3 065	3 336	3 607	3 878	4 031	4 302	4 573	4 845	5 116
1900	503	792	1 081	1 370	1 659	1 948	2 096	2 383	2 670	2 957	3 244	3 531	3 818	4 105	4 267	4 554	4 841	5 128	5 414
2000	531	836	1 140	1 445	1 750	2 055	2 212	2 514	2 817	3 120	3 423	3 726	4 028	4 331	4 502	4 805	5 108	5 411	5 713

SELECTION TABLE - EXHAUST AIR

Air speed through free louvres area 3 m/s.

The total pressure drop in Pa at the specified air speed is 21 Pa

Sound power level in dB(A) at specified air speed is 44 dB

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	45	82	112	143	173	204	191	218	246	274	301	329	356	384	392	419	447	475	502
300	92	147	201	255	310	364	365	416	467	518	570	621	672	724	745	797	848	899	950
400	134	212	290	368	446	524	538	613	688	763	838	913	988	1 063	1 099	1 174	1 249	1 324	1 399
500	175	277	379	480	582	684	712	811	909	1 008	1 107	1 205	1 304	1 403	1 452	1 551	1 650	1 748	1 847
600	217	342	467	593	718	844	886	1 008	1 131	1 253	1 375	1 498	1 620	1 743	1 806	1 928	2 050	2 173	2 295
700	258	407	556	705	854	1 003	1 059	1 206	1 352	1 498	1 644	1 790	1 936	2 082	2 159	2 305	2 451	2 597	2 743
800	299	472	645	818	991	1 163	1 233	1 403	1 573	1 743	1 912	2 082	2 252	2 422	2 512	2 682	2 852	3 022	3 191
900	341	537	734	930	1 127	1 323	1 407	1 600	1 794	1 987	2 181	2 374	2 568	2 761	2 866	3 059	3 253	3 446	3 640
1000	382	602	823	1 043	1 263	1 483	1 581	1 798	2 015	2 232	2 449	2 667	2 884	3 101	3 219	3 436	3 654	3 871	4 088
1100	424	667	911	1 155	1 399	1 643	1 754	1 995	2 236	2 477	2 718	2 959	3 200	3 441	3 573	3 813	4 054	4 295	4 536
1200	465	733	1 000	1 268	1 535	1 803	1 928	2 193	2 457	2 722	2 986	3 251	3 516	3 780	3 926	4 191	4 455	4 720	4 984
1300	506	798	1 089	1 380	1 672	1 963	2 102	2 390	2 678	2 967	3 255	3 543	3 831	4 120	4 279	4 568	4 856	5 144	5 432
1400	548	863	1 178	1 493	1 808	2 123	2 275	2 587	2 899	3 211	3 523	3 835	4 147	4 459	4 633	4 945	5 257	5 569	5 881
1500	589	928	1 267	1 605	1 944	2 283	2 449	2 785	3 120	3 456	3 792	4 128	4 463	4 799	4 986	5 322	5 658	5 993	6 329
1600	631	993	1 355	1 718	2 080	2 443	2 623	2 982	3 342	3 701	4 060	4 420	4 779	5 139	5 340	5 699	6 058	6 418	6 777
1700	672	1 058	1 444	1 830	2 216	2 602	2 796	3 180	3 563	3 946	4 329	4 712	5 095	5 478	5 693	6 076	6 459	6 842	7 225
1800	713	1 123	1 533	1 943	2 353	2 762	2 970	3 377	3 784	4 191	4 597	5 004	5 411	5 818	6 046	6 453	6 860	7 267	7 673
1900	755	1 188	1 622	2 055	2 489	2 922	3 144	3 574	4 005	4 435	4 866	5 296	5 727	6 157	6 400	6 830	7 261	7 691	8 122
2000	796	1 253	1 711	2 168	2 625	3 082	3 318	3 772	4 226	4 680	5 134	5 589	6 043	6 497	6 753	7 207	7 662	8 116	8 570



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

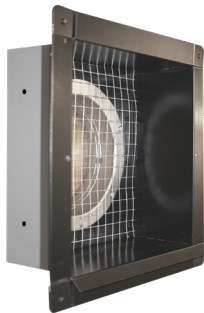
Sound and pressure measurements performed by RISE

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	38%	45%	47%	48%	48%	49%	40%	40%	41%	41%	42%	42%	42%	43%	41%	41%	41%	42%	42%
300	51%	54%	56%	57%	57%	58%	51%	51%	52%	52%	53%	53%	53%	54%	52%	52%	52%	53%	53%
400	56%	59%	60%	61%	62%	62%	56%	57%	57%	58%	58%	59%	59%	59%	57%	58%	58%	58%	58%
500	58%	62%	63%	64%	65%	65%	59%	60%	61%	61%	61%	62%	62%	62%	61%	61%	61%	61%	62%
600	60%	63%	65%	66%	66%	67%	62%	62%	63%	63%	64%	64%	64%	65%	63%	63%	63%	64%	64%
700	61%	65%	66%	67%	68%	68%	63%	64%	64%	65%	65%	66%	66%	66%	64%	65%	65%	65%	65%
800	62%	66%	67%	68%	69%	69%	64%	65%	66%	66%	66%	67%	67%	67%	65%	66%	66%	66%	66%
900	63%	66%	68%	69%	70%	70%	65%	66%	66%	67%	67%	68%	68%	68%	66%	67%	67%	67%	67%
1000	64%	67%	69%	70%	70%	71%	66%	67%	67%	68%	68%	68%	69%	69%	67%	67%	68%	68%	68%
1100	64%	67%	69%	70%	71%	71%	66%	67%	68%	68%	69%	69%	69%	70%	68%	68%	68%	69%	69%
1200	65%	68%	69%	70%	71%	72%	67%	68%	68%	69%	69%	69%	70%	70%	68%	68%	69%	69%	69%
1300	65%	68%	70%	71%	71%	72%	67%	68%	69%	69%	70%	70%	70%	70%	69%	69%	69%	69%	70%
1400	65%	68%	70%	71%	72%	72%	68%	68%	69%	70%	70%	70%	71%	71%	69%	69%	70%	70%	70%
1500	65%	69%	70%	71%	72%	72%	68%	69%	69%	70%	70%	71%	71%	71%	69%	70%	70%	70%	70%
1600	66%	69%	71%	72%	72%	73%	68%	69%	70%	70%	70%	71%	71%	71%	70%	70%	70%	70%	71%
1700	66%	69%	71%	72%	72%	73%	69%	69%	70%	70%	71%	71%	71%	72%	70%	70%	70%	71%	71%
1800	66%	69%	71%	72%	73%	73%	69%	69%	70%	71%	71%	71%	72%	72%	70%	70%	71%	71%	71%
1900	66%	69%	71%	72%	73%	73%	69%	70%	70%	71%	71%	71%	72%	72%	70%	70%	71%	71%	71%
2000	66%	70%	71%	72%	73%	73%	69%	70%	70%	71%	71%	72%	72%	72%	70%	71%	71%	71%	71%

Installation:

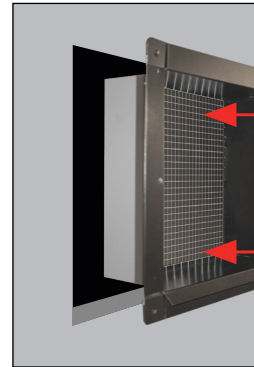
ABC -YG



Mounting frame



Louvre insert



The mounting frame is secured in the sides with screws

STEP 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.

STEP 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.

STEP 3

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