



BMYN/BMYT

Weather louvre
Aluminium
Weatherproof vane

Available types

BMY---

- B** weather louvre
- M** wall louvre
- Y** anodised aluminium vane 50 mm

- Frame

- N** anodised aluminium frame 40 mm, fixed
- T** seawater-resistant aluminium frame, without flange

- Mesh

- G** galvanised mesh (standard)
- S** stainless steel insect mesh

- Accessories

- O** none
- I** mounting frame, sendzimir galvanised steel (BMYN only)

SA-Select

Check [SA-Select](#) to create extended order codes and selection details online. **NB!** At this moment, SA-Select is only available in Dutch. But it is possible to create extended order codes and selection details online.

Use

The BMY- weather louvre is suitable for air supply or discharge. The BMYN louvre can be fitted in the external wall with a mounting frame; see note. The BMYT louvre does not have a flange.

Characteristics

Free flow: 20 - 55 % (depending on the height)
 Weight: approx. 15 kg/m²

Version

Weather louvre

Frame: BMYN: anodised aluminium
 BMYT: seawater-resistant

Aluminium

Vanes: anodised aluminium

Post-treatment: BMYN: none
 BMYT: RAL colour of your choice

Mesh: 19 x 19 mm, galvanised

Optional

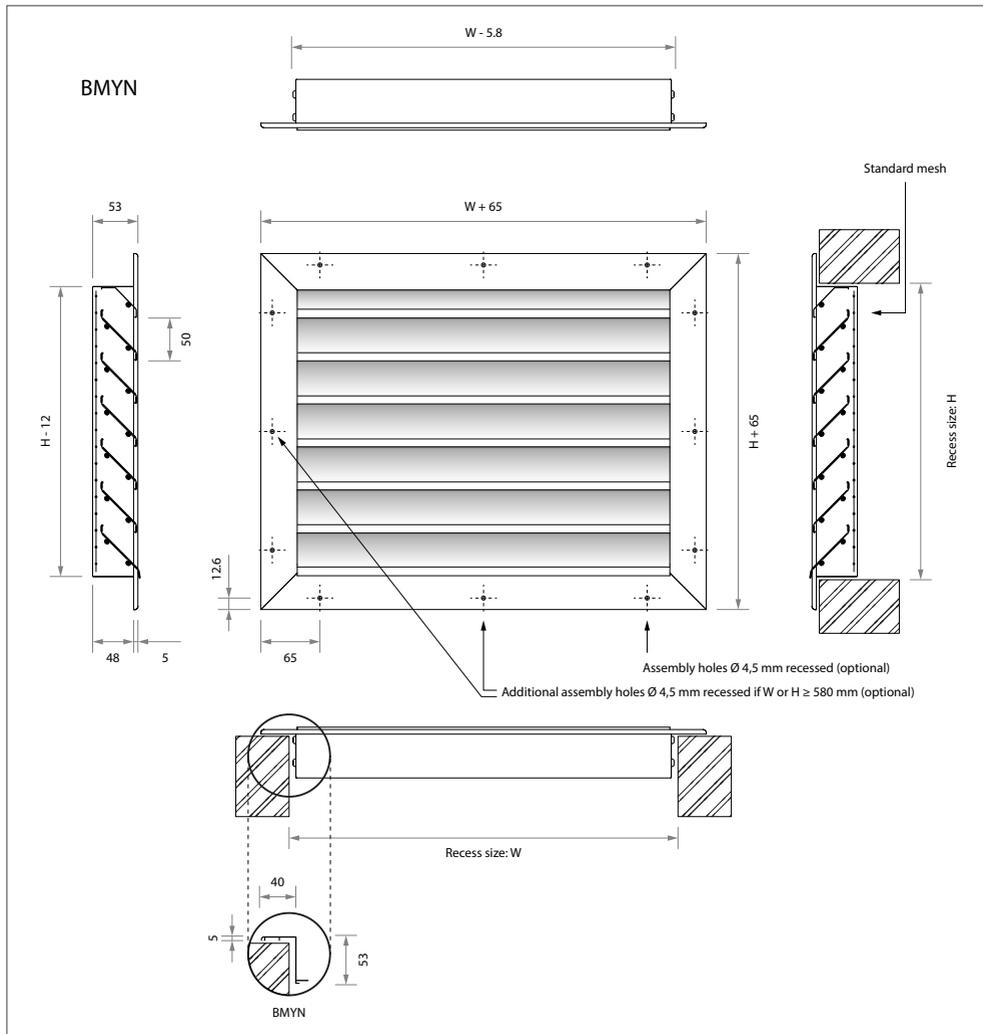
Insect mesh*: stainless steel, 2 x 2 mm

Mounting frame: sendzimir galvanised steel

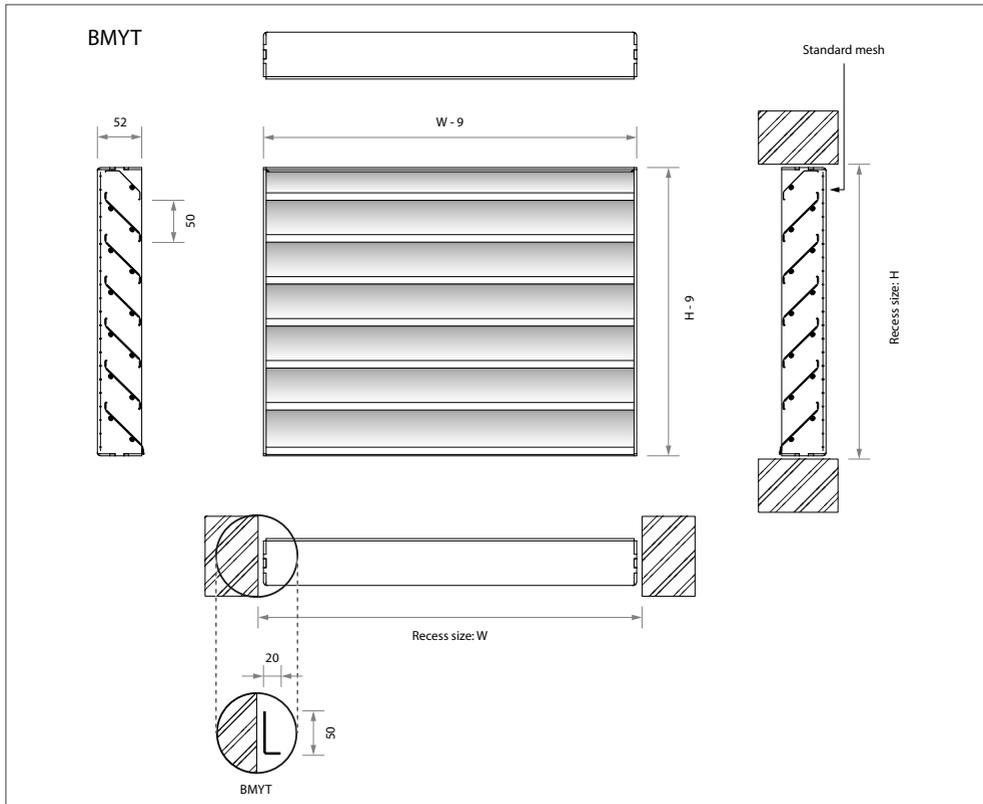
Mounting holes: Ø 4.5 mm

*The use of insect mesh reduces the net free flow and this has consequences for the design details. They are available in [SA-Select](#).

Dimensions



Dimensions



Standard dimensions

Available dimensions

H	W								
	425	625	825	1025	1225	1425	1625	1825	2025
325	■	■	■	■	■	■	■	■	■
525	■	■	■	■	■	■	■	■	■
825	■	■	■	■	■	■	■	■	■
1025	■	■	■	■	■	■	■	■	■
1225	■	■	■	■	■	■	■	■	■
1425	■	■	■	■	■	■	■	■	■
1625	■	■	■	■	■	■	■	■	■
1825	■	■	■	■	■	■	■	■	■
2025	■	■	■	■	■	■	■	■	■

- Width min. 300, max. 2025.
- Height min. 300, max. 2025.
- Interim widths and heights available in increments of 5 mm.
- Larger dimensions up to WxH 4000x2025 mm are available on request (delivered in two parts).
- Louvres in parts must always be provided with a finish in RAL color of choice.

- For sizes larger than WxH 4000x2025 mm, please consult the [documentation](#) of the louvre type BMZN.

Note

- When the BMYN-I with mounting frame (cross-section 60 x 30 x 2 mm) is used, the recess must be made 10 mm larger than the nominal W x H louvre size.
- It is recommended to fit a drainage option in the duct behind the louvres.
- BMYT is suitable for flush mounting. Remember the drainage facility when the louvre is flush mounted in an external wall.
- The listed dimensions are in mm.
- Recess size: W x H.

Selection details

BMY-G

air volume		required free flow in m ²											
		0.05		0.06		0.08		0.1		0.125		0.15	
m ³ /s	m ³ /h	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)
0.080	288	5	5										
0.100	360	8	10	6	6								
0.150	540	19	21	13	17	7	11	5	6				
0.200	720	33	28	23	25	13	18	8	13	5	9	4	5
0.250	900	51	34	36	30	20	24	13	19	8	14	6	10
0.300	1080	74	39	51	35	29	29	19	24	12	19	8	15
0.400	1440	132	47	91	43	51	36	33	32	21	27	15	23
0.500	1800					80	42	51	37	33	32	23	29
0.600	2160					116	47	74	42	47	37	33	33
0.800	2800									84	45	59	41
1.000	3600									132	51	91	47

air volume		required free flow in m ²																						
		0.2		0.25		0.3		0.4		0.5		0.6		0.8		1.0		1.25		1.5		2		
m ³ /s	m ³ /h	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	Δp_t Pa	L_{pA} dB(A)	
0.250	900	3	4																					
0.300	1080	5	9	3	4																			
0.400	1440	8	16	5	12	4	8																	
0.500	1800	13	22	8	17	6	13	3	7															
0.600	2160	19	27	12	22	8	18	5	12	3	7													
0.800	2800	33	35	21	30	15	26	8	19	5	15	4	11											
1.000	3600	51	40	33	35	23	32	13	25	8	20	6	16	3	10	2	5							
1.500	5400	116	51	74	46	51	42	29	36	19	31	13	27	7	21	5	16	3	11	2	7			
2.000	7200			132	54	91	50	51	43	33	38	23	35	13	28	8	23	5	19	4	15	2	8	
2.500	9000					143	55	80	49	51	44	36	40	20	34	13	29	8	24	6	20	3	14	
3.000	10800							116	54	74	49	51	45	29	39	19	34	12	29	8	25	5	19	
4.000	14400									132	57	91	53	51	46	33	42	21	37	15	33	8	26	
5.000	18000											143	58	80	52	51	47	33	42	23	39	13	32	
6.000	21600													116	57	74	52	47	47	33	43	19	37	
8.000	28800														132	60	84	55	59	51	33	45		
10.000	36000																	132	61	91	57	51	50	

Preferred range (approx. 4 m/s over net surface).

General

- $L_{pA} = L_{WA} - 10$ dB.
- It is permitted to interpolate the interim values.
- Sound and pressure loss data apply when the discharge goes to the outside.

Correction data

- When air is drawn in, the values in the table need to be corrected with the following factors:
 $\Delta p_t = \text{table value} \times 1.2$
 $L_{pA} = \text{table value} + 5$ dB.

Free flow

H	W								
	425	625	825	1025	1225	1425	1625	1825	2025
	m ²								
325	0.0426	0.0634	0.0842	0.1050	0.1258	0.1466	0.1674	0.1882	0.2090
525	0.0853	0.1269	0.1685	0.2101	0.2517	0.2933	0.3349	0.3765	0.4181
825	0.1492	0.2220	0.2948	0.3676	0.4404	0.5132	0.5860	0.6588	0.7316
1025	0.1919	0.2855	0.3791	0.4727	0.5663	0.6599	0.7535	0.8471	0.9407
1225	0.2345	0.3489	0.4633	0.5777	0.6921	0.8065	0.9209	1.0353	1.1497
1425	0.2772	0.4124	0.5476	0.6828	0.8180	0.9532	1.0884	1.2236	1.3588
1625	0.3198	0.4758	0.6318	0.7878	0.9438	1.0998	1.2558	1.4118	1.5678
1825	0.3624	0.5392	0.7160	0.8928	1.0696	1.2464	1.4232	1.6000	1.7768
2025	0.4051	0.6027	0.8003	0.9979	1.1955	1.3931	1.5907	1.7883	1.9859