BMUF/BMUD

Weather louvres
Burglar-proof version
Hot-dip galvanised

Available types
B M U - - Q

B weather louvre
M wall louvre
U set hot-dip galvanised steel vane 70 mm, with reinforcement strips

- **Frame**
  F wall mounting with U-profile frame and strips, for a wall thickness up to 270 mm
  D door mounting with holes in the flange

- **Mesh**
  Q mess, cold rolled (standard)
  S stainless steel insect mesh

Q burglar-proof blind mounting

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 BMU--Q weather louvre is suitable for air supply or discharge. The louvre is fitted in the wall with fixing strips and a corresponding counter frame. The BMUD-Q louvre has holes in the flange, so that carriage bolts can be used to mount it directly in a door.

Characteristics

Free flow:	20 - 55 % (depending on the height)
Weight:	approx. 35 kg/m^2

Version
Weather louvre

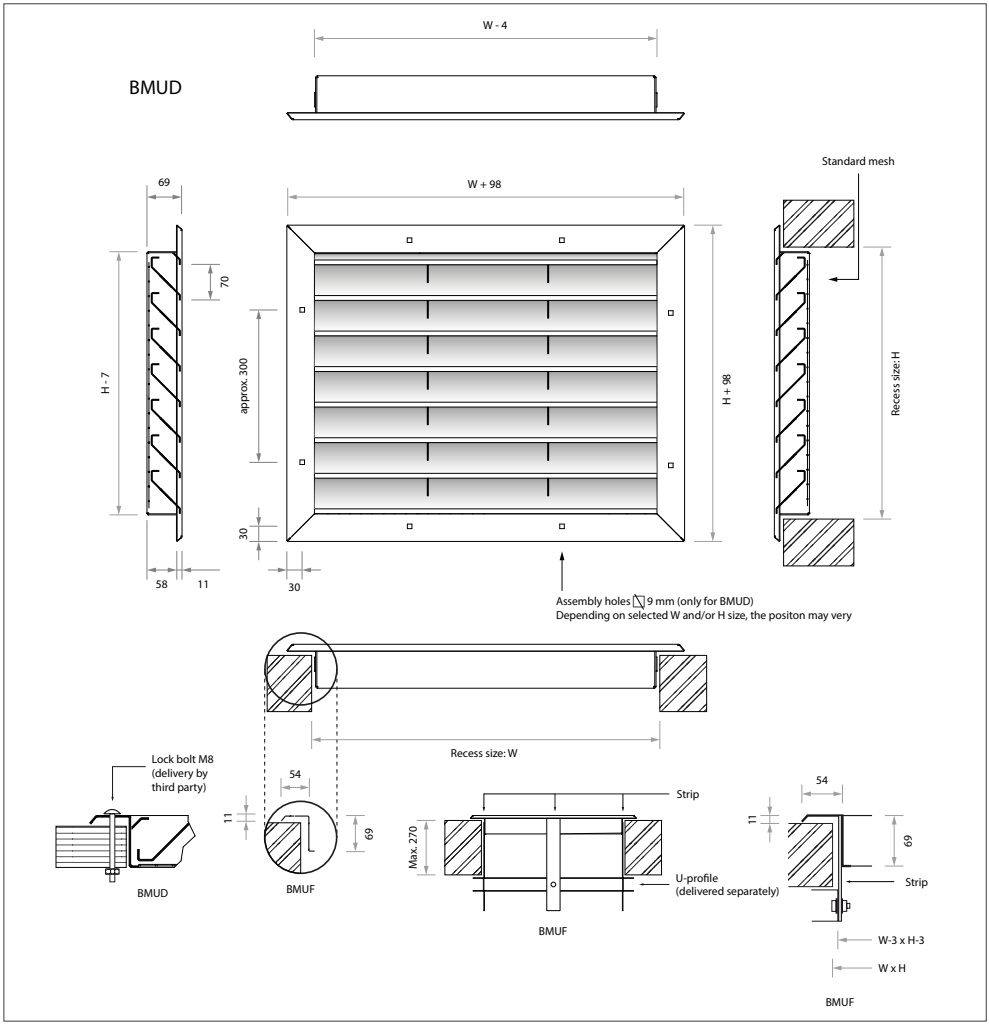
Frame:	hot-dip galvanised steel
Vanes:	hot-dip galvanised steel
Mesh:	10 x 10 mm, hot-dip galvanised steel

Optional

Insect mesh*:	stainless steel, 2 x 2 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



Standard dimensions

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

Note

- The louvre is fully hot-dip galvanized with a minimum zinc layer thickness according to NEN EN ISO 1461 (not centrifuged, average thickness 55 µm, 395 g/m²).
- It is recommended to fit a drainage option in the duct behind the louvres.
- Interim widths and heights available in increments of 5 mm.
- The listed dimensions are in mm.
- Recess size: W x H.

Selection details

BMU-Q

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:
  Δ_{pt} = table value x 1.2.
  L_{pA} = table value + 5 dB.

Free flow

H	W								
	425	625	825	1025	1225	1425	1625	1825	2025
	m^2	m^2	m^2	m^2	m^2	m^2	m^2	m^2	m^2
325	0.0488	0.0738	0.0988	0.1238	0.1488	0.1738	0.1988	0.2238	0.2488
525	0.0878	0.1328	0.1778	0.2228	0.2678	0.3128	0.3578	0.4028	0.4478
825	0.1463	0.2213	0.2963	0.3713	0.4463	0.5213	0.5963	0.6713	0.7463
1025	0.1853	0.2803	0.3753	0.4703	0.5653	0.6603	0.7553	0.8503	0.9453
1225	0.2243	0.3393	0.4543	0.5693	0.6843	0.7993	0.9143	1.0293	1.1443
1425	0.2633	0.3983	0.5333	0.6683	0.8033	0.9383	1.0733	1.2083	1.3433
1625	0.3023	0.4573	0.6123	0.7673	0.9223	1.0773	1.2323	1.3873	1.5423
1825	0.3413	0.5163	0.6913	0.8663	1.0413	1.2163	1.3913	1.5663	1.7413
2025	0.3803	0.5753	0.7703	0.9653	1.1603	1.3553	1.5503	1.7453	1.9403