BMXN/BMXT

Weather louvre

Steel

Weatherproof vane

Use

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

Characteristics

Free flow:	20 - 55 % (depending on the height)
Weight:	approx. 30 kg/m^2

Version

Weather louvre

frame:	sendzimir galvanised steel
vanes:	sendzimir galvanised steel
post-treatment:	none
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.

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.

Available types

B M X - - -

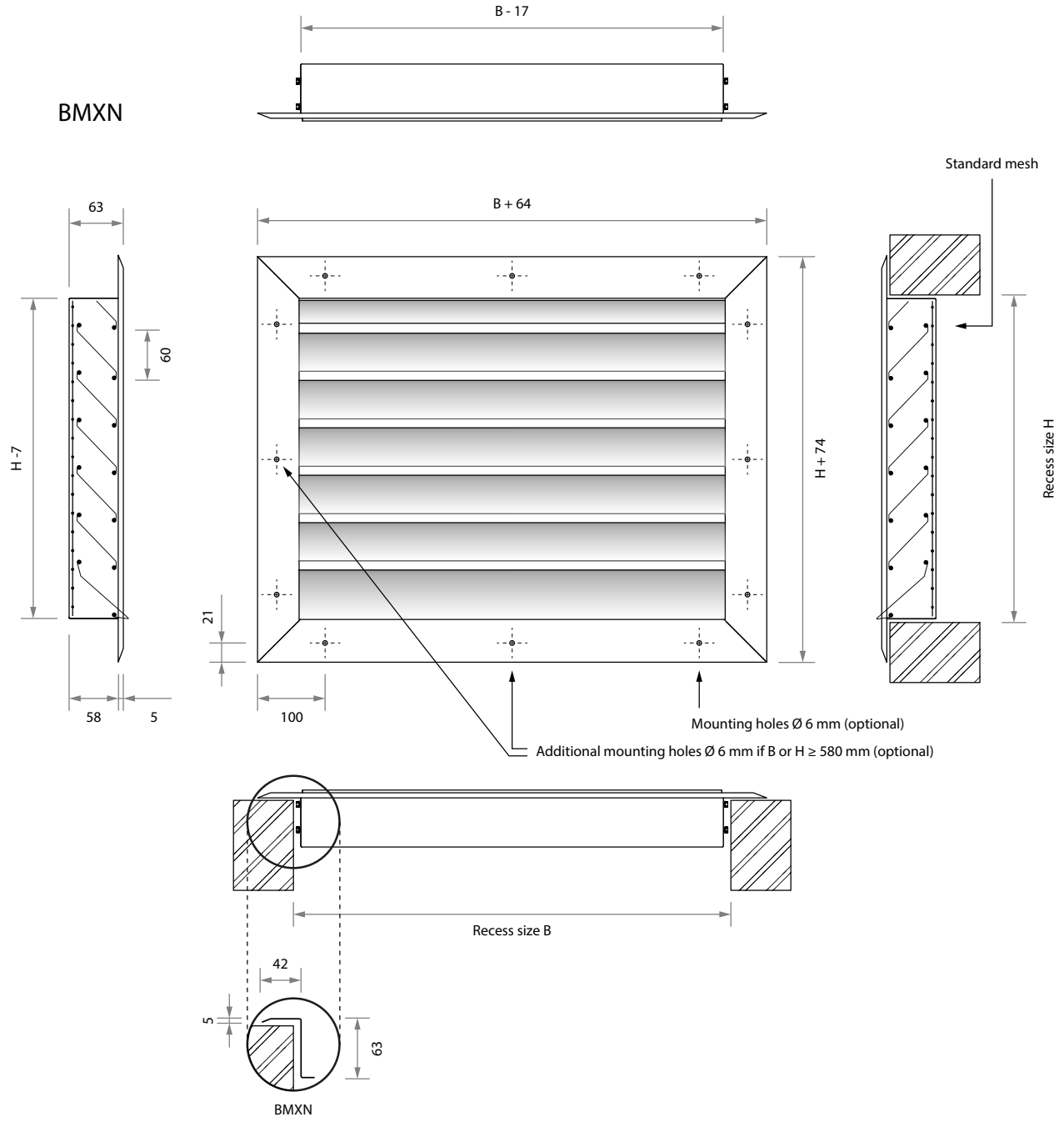
B weather louvre
M wall louvre
X rolled sendzimir galvanised steel vane 60 mm

- **Frame**
  N sendzimir galvanised steel frame 42 mm, fixed
  T sendzimir galvanised steel frame, without flange

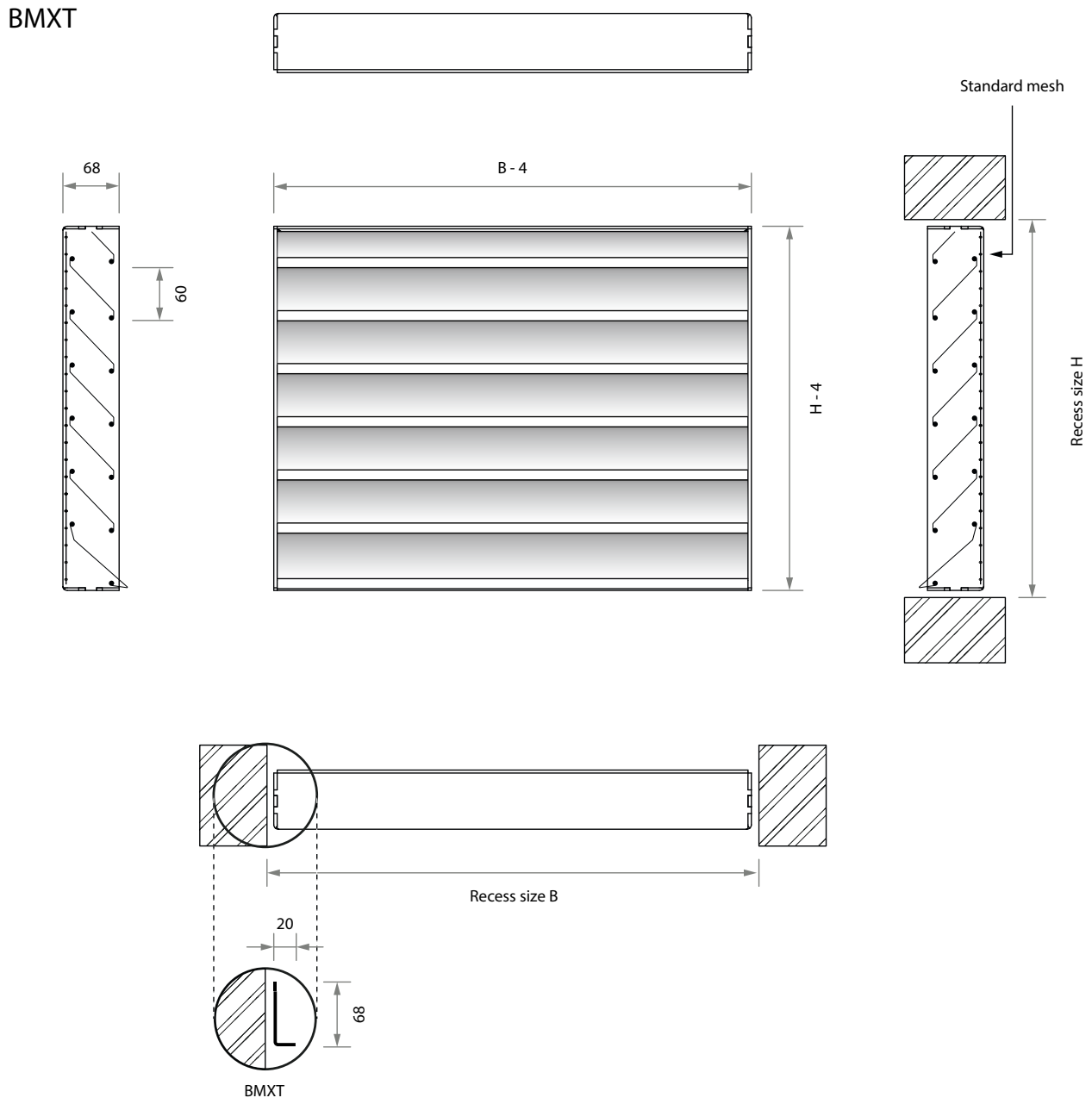
- **Mesh**
  G galvanised mesh (standard)
  S stainless steel insect mesh

- **Accessories**
  O none
  I mounting frame: sendzimir galvanised steel (BMXN only)

Dimensions


B - 17
BMXN
Standard mesh
63
B + 64
60
H - 7
H + 74
Recess size H
21
58
5
100
Mounting holes Ø 6 mm (optional)
Additional mounting holes Ø 6 mm if B or H ≥ 580 mm (optional)
Recess size B
42
5
63
BMXN

Dimensions



Standard dimensions

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

All sizes in mm.
Recess size: W x H (with a mounting frame, the recess is W + 10 x H + 10).

Available dimensions

- Interim sizes available in increments of 5 mm.
- Larger dimensions (W max. = 4000, H max. 2025) are available on request (2-part).

Note

- It is recommended to fit a drainage option in the duct behind the louvres.
- BMXT is suitable for flush mounting. Remember the drainage facility when the louvre is flush mounted in an external wall.

Selection details

BMX-G

air volume		required free flow in m²											
		0.05		0.06		0.08		0.1		0.125		0.15	
m³/s	m³/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 m²																					
		0.2		0.25		0.3		0.4		0.5		0.6		0.8		1.0		1.25		1.5		2	
m³/s	m³/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:
  Δp_t = table value x 1.2.
  L_{pA} = table value + 5 dB.

SA-Select

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Free flow

H	W								
	425	625	825	1025	1225	1425	1625	1825	2025
	m²	m²	m²	m²	m²	m²	m²	m²	m²
325	0.0388	0.0580	0.0772	0.0964	0.1156	0.1348	0.1540	0.1732	0.1924
525	0.0905	0.1353	0.1801	0.2249	0.2697	0.3145	0.3593	0.4041	0.4489
825	0.1551	0.2319	0.3087	0.3855	0.4623	0.5391	0.6159	0.6927	0.7695
1025	0.1939	0.2899	0.3859	0.4819	0.5779	0.6739	0.7699	0.8659	0.9619
1225	0.2327	0.3479	0.4631	0.5783	0.6935	0.8087	0.9239	1.0391	1.1543
1425	0.2844	0.4252	0.5660	0.7068	0.8476	0.9884	1.1292	1.2700	1.4108
1625	0.3232	0.4832	0.6432	0.8032	0.9632	1.1232	1.2832	1.4432	1.6032
1825	0.3620	0.5412	0.7204	0.8996	1.0788	1.2580	1.4372	1.6164	1.7956
2025	0.4137	0.6185	0.8233	1.0281	1.2329	1.4377	1.6425	1.8473	2.0521