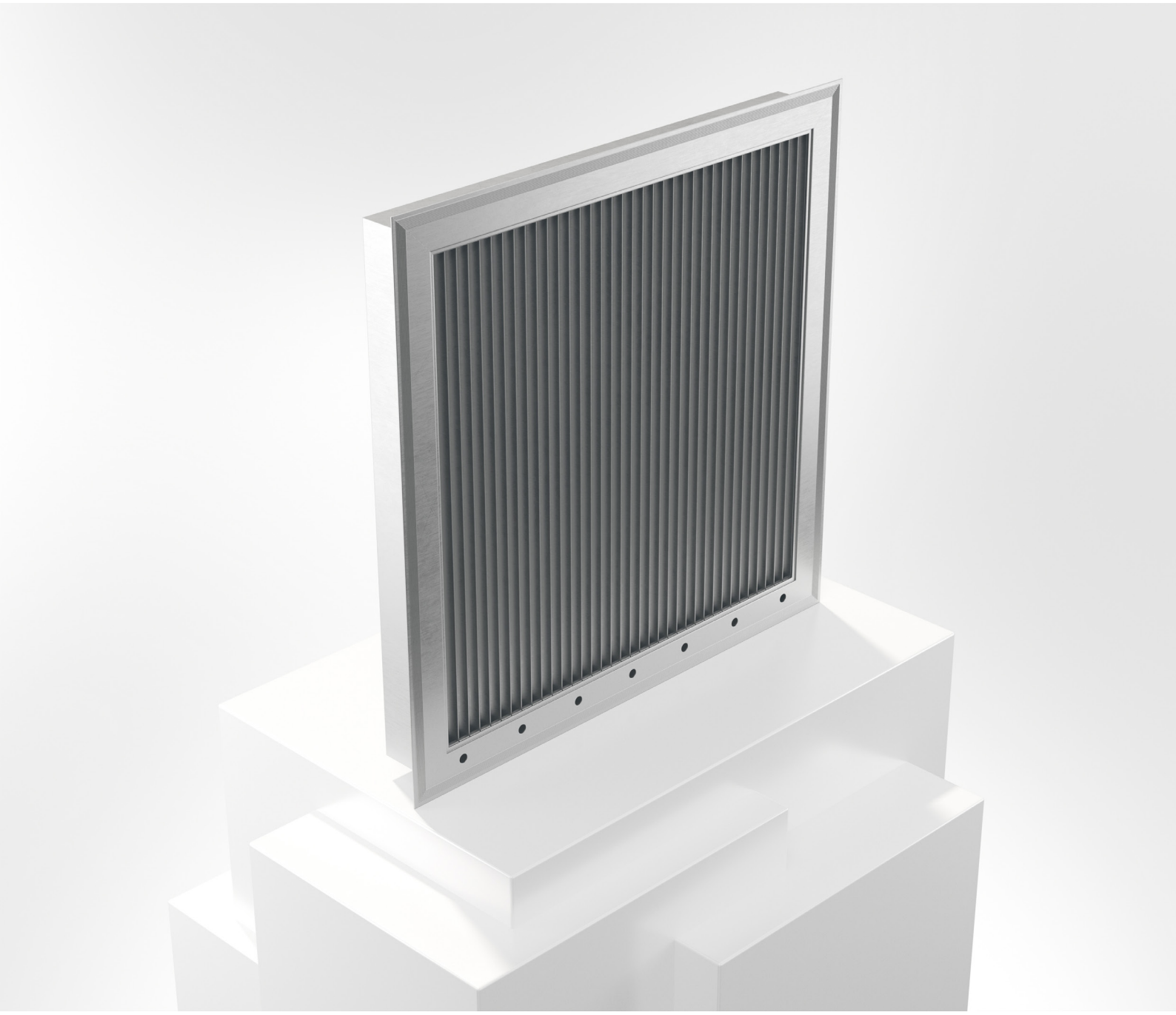
CALIGO

Outer wall louvre

LOUVRES



29/10/2026

www.bevent-rasch.com

BEVENT RASCH



Quick Facts

- Sizes from 500 × 500 mm to 1600 × 1600 mm
- Sizes larger than 1600 × 1600 mm can be supplied in sections
- Manufactured from aluminium
- Available powder-coated or untreated
- Available with heating cable for defrosting and snow protection (see CALIGO with heating cable datasheet)
- Low pressure drop
- High mist separation efficiency
- Low noise levels
- Lifting eyes fitted to products weighing over 25 kg

Application

CALIGO is a louvre with excellent water separation performance. The louvre is manufactured from vertical aluminium blades equipped with water collection channels. Water carried by the air into the louvre is collected by these channels and directed to a drainage plate forming the bottom of the louvre, which drains the water to the outside.
Louvres with either dimension exceeding 1600 mm are supplied in sections.
CALIGO can be ordered in width increments of 25 mm.
If specified when ordering, the louvre can be installed with the blade assembly projecting outwards from the wall in applications with smaller duct dimensions and high airflow rates, allowing the full free area to be utilised.
CALIGO can also be used as an exhaust air louvre where, for example, aesthetic requirements make this desirable. The pressure drop is then calculated using the same sizing diagram as for CALIGO used for outdoor air.

Material, Surface Treatment

The louvre is manufactured from extruded aluminium profiles, corrosivity category C5. The louvre can also be supplied painted in the desired colour; see www.bevent-rasch.se.

Water Separation

CALIGO provides high separation efficiency for mist droplets compared with a conventional external wall louvre. The high separation efficiency also enables salt particles to be separated, which is particularly beneficial in coastal areas along Sweden's west coast.
CALIGO has been tested in accordance with EN 13030:2001. At face velocities of up to 3.5 m/s, measured over the connection area, 100% water separation is achieved, corresponding to Class A.
The recommended design velocity is 2 m/s.



Accessories

Mounting post including cover plate for louvres divided both horizontally and vertically.

Special Versions

Louvres can be supplied in a wide range of special versions with regard to dimensions and drainage position. Louvres are supplied in sections if either dimension exceeds 1600 mm.
For enquiries regarding special versions, please contact Bevent Rasch.

Specification

Example:

External Wall Louvre CALIGO - 600 - 500 - 0 - 0

Size:
Width × height, mm

Surface Treatment:
Aluminium, untreated = 0
Surface treatment = 1*

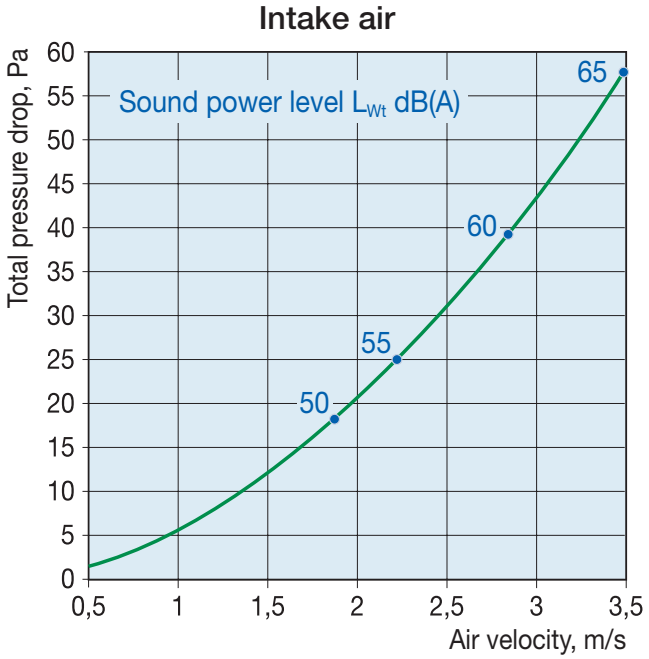
**Colour code specified in plain text, see www.bevent-rasch.com*

Heating Cable:
Without heating cable = 0
With heating cable = 1

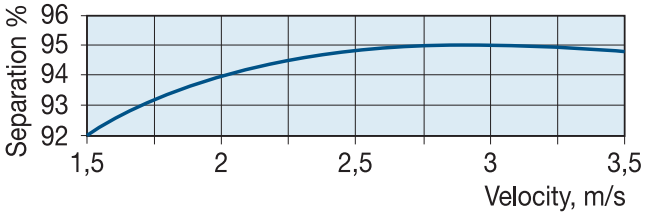
***For CALIGO with heating cable, see separate datasheet.*

Sizing Diagram

The air velocity is calculated based on the connection area. Recommended design velocity: 2 m/s.For louvres with heating cable, we recommend that the air velocity does not exceed 1.8 m/s.



Separation of mist



The diagram refers to drop sizes 30-80 µm

Specification Example According to AMA VVS & Kyla

QMB Outdoor Air Terminals

QMB.1 Outdoor Air Terminals with External Wall Louvres

UD101 *Manufacturer Bevent Rasch CALIGO-600-500-0-0*

Outdoor air louvre with low pressure drop and 100% water separation (corresponding to Class A) in accordance with EN 13030:2001, as well as high mist separation efficiency.

Manufacturer: Bevent Rasch
Material: Aluminium

Sound data

Correction of sound power level, L_W, for different sizes

$$L_W = L_{Wt} + K_1$$

Grille-area, m^2	0,25	0,5	1,0	2,0	3,0	4,0
K_1	-6	-3	0	3	4,5	6

Correction of sound power level, L_{Wok}, in octave band

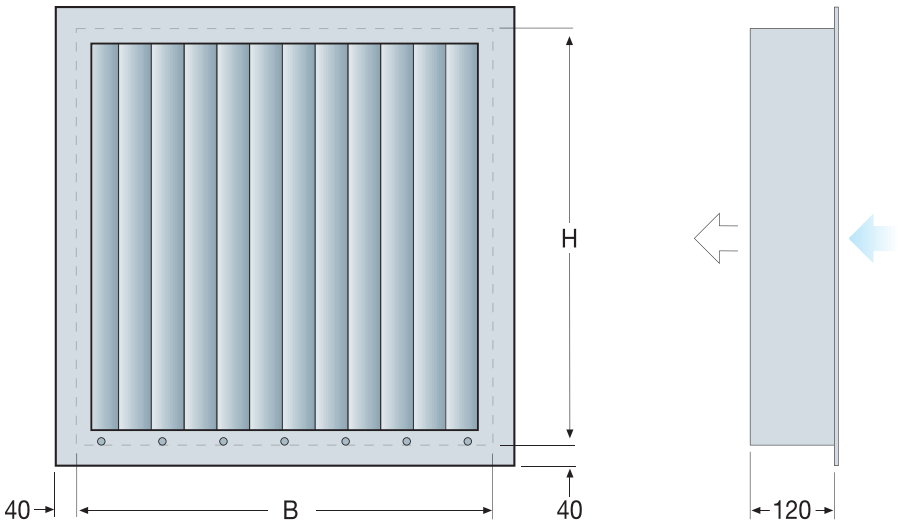
$$L_{Wok}\ (dB) = L_W + K_{ok}$$

Mid frequency Hz	63	125	250	500	1000	2000	4000	8000
K_{ok}	-4	-1	-1	-2	-6	-12	-20	-28

Reduction in sound pressure level depending on distance from outer wall louvre calculated on half-spherical propagation.

Distance, m	5	25	50	75	100	150
Reduction, dB(A)	-22	-36	-42	-45	-48	-52

Dimensions



W or H
500 - 600 - 700 - 800 - 900 - 1000 1100 - 1200 - 1300 - 1400 - 1500 - 1600

W x H = Cut-out dimensions

Louvres with any side larger than 1600 mm are delivered in a split version.
Regarding assembly, see ”Lifting and installation instructions”.
Width measurements can be ordered in increments of 25 mm.
Widths and heights below 500 mm can be manufactured. Please contact Bevent Rasch for sizing.

Weight, kg (excl. heating cable*)

H	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
500	11	13	15	17	19	20	22	24	26	28	30	32
600	13	15	17	19	22	24	26	29	31	33	35	38
700	14	17	20	22	25	28	30	33	35	38	41	43
800	16	19	22	25	28	31	34	37	40	43	46	49
900	18	22	25	28	31	35	38	41	45	48	51	55
1000	20	24	27	31	35	38	42	46	49	53	57	60
1100	22	26	30	34	38	42	46	50	54	58	62	66
1200	24	28	32	37	41	45	50	54	58	63	67	71
1300	26	30	35	40	44	49	54	58	63	68	72	77
1400	28	33	38	43	48	53	58	63	68	73	78	83
1500	29	35	40	45	51	56	61	67	72	78	83	88
1600	31	37	43	48	54	60	65	71	77	82	88	94

* For louvres equipped with heating cable: Add 6 kg/m^2 to the above weights.

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Quick Facts

- Solves problems with ice formation at air intakes
- Built-in heating cable ensures efficient operation
- Self-regulating
- Pre-mounted junction box for easy installation
- Can be equipped with temperature control if required
- Can separate and melt snow
- Available in an EX version

Application

CALIGO-1 with heating cable has been developed to solve problems caused by ice and snow at air intakes. Ice and snow that are not adequately managed can result in high pressure drops at air intakes, affect their ability to separate water droplets and have a negative impact on the building's energy consumption.
The product is also available in an EX version.

Function

To prevent unwanted problems at temperatures around the freezing point of water, CALIGO-1 is equipped with a self-regulating heating cable that maintains the surface temperature of the louvre blades above that of the airflow, preventing ice formation on the louvre.

The advantage of integrating the heating cable into the blades is that the louvre itself is maintained at the required temperature rather than heating the airflow, which is less efficient.

The heating cable is self-regulating and should be activated when the surface temperature of the louvre approaches freezing point. The heating output is therefore adjusted according to demand. It features built-in temperature protection that eliminates the risk of overheating and can also be supplied in an EX version on request.

Simple control units equipped with a temperature sensor that can be installed in a location of choice are available as accessories. As an option, the junction box on the louvre can be omitted and replaced with a connection to a power cable leading to the control cabinet.

Grille size	No. of cables	Start current
Up to and incl. 0,8m²	1 cable	10A
>0,8m² up to 1,6m²	2 cables	2 x 10A
>1,6m² up to 2,4m² (max)	3 cables	3 x 10A

To achieve suitable starting currents and facilitate electrical protection of the installation, the heating cable is divided into several cable sections according to the table below.

The cables are connected to a junction box for easy installation. Only the power supply needs to be connected to the existing control system in the facility.

Using temperature control reduces the total power consumption of the installation. The recommended activation temperature is approximately +4°C.

Technical Data

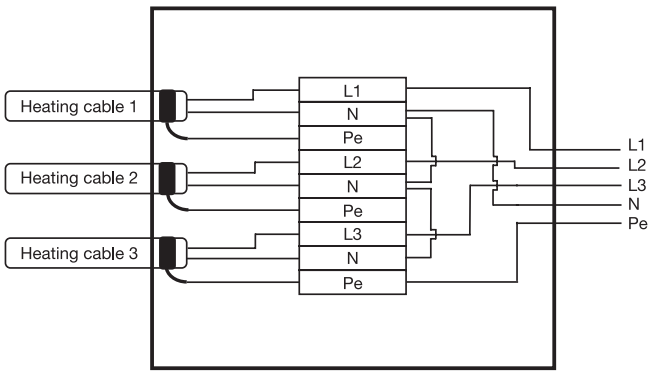
Minimum operating temperature: –20°C at a duct air velocity of 1.8 m/s

Heating cable power supply: 230 V, max. 10 A

Circuit breaker: Type C

Nominal power: Approx. 1300 W/m²

Wiring Diagram



200220.0001 / Oct. 2026 hydria.se