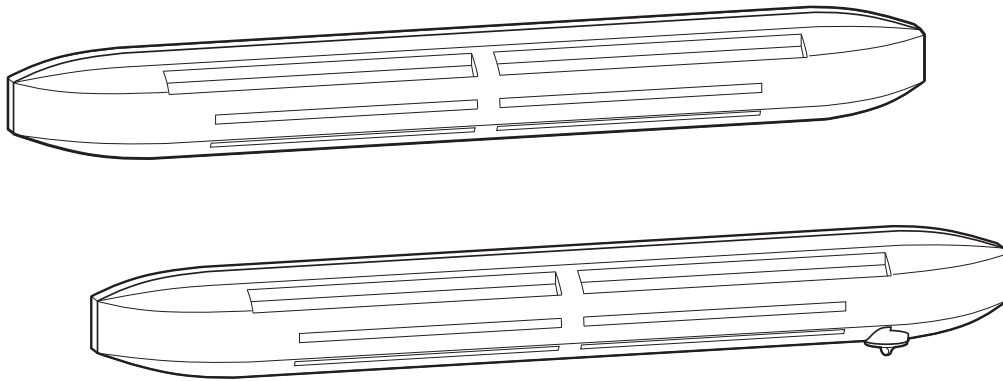




## Use

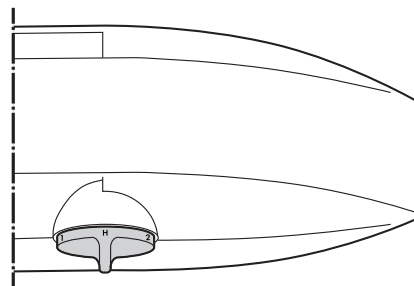
- Suitable for timber, PVC and aluminium windows and patio doors
- For installation at the top in the horizontal profile area
- During installation, ensure that the air ducts are kept free so that the ventilator will be able to fulfil its function. We recommend performing window system testing.

## Function

- The AEROMAT midi HY is a passive, demand-based window ventilator for the ventilation of closed rooms that works by equalising pressure between indoor and outdoor air (pressure differential principle).
- The control of the supply air inlet is dependent on the relative humidity.
  - Multilayer fabric belts react to any changes in the relative humidity by expanding or contracting. This movement changes the supply air inlet via a control mechanism.

## Unit properties

- AEROMAT midi HY: humidity control
- AEROMAT midi HY 42 dB: humidity control and sound absorption
- In the AEROMAT midi HY version with 3 functions, the ventilator/fan/blower is also fitted with a rotary switch for adjustment of the following functions:
  - Closure locked whilst maintaining the minimum ventilation (**1**)
  - Control based on the air humidity (**H**)
  - Locking mechanism maximum air flow rate (**2**)



## Technical specifications

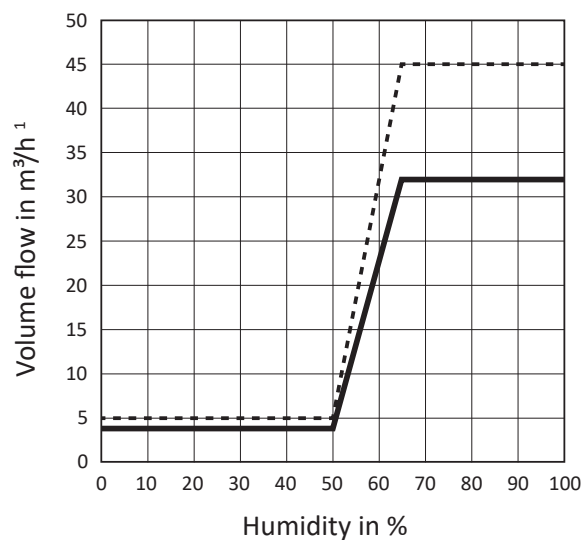
|                                 |                        | AEROMAT midi HY        | AEROMAT midi HY 42 dB  |
|---------------------------------|------------------------|------------------------|------------------------|
| Air throughput <sup>1</sup>     | bei 2 Pa               | 2–14 m <sup>3</sup> /h | 2–14 m <sup>3</sup> /h |
|                                 | bei 4 Pa               | 3–20 m <sup>3</sup> /h | 3–20 m <sup>3</sup> /h |
|                                 | bei 5 Pa               | 3–23 m <sup>3</sup> /h | 3–23 m <sup>3</sup> /h |
|                                 | bei 7 Pa               | 3–27 m <sup>3</sup> /h | 3–27 m <sup>3</sup> /h |
|                                 | bei 8 Pa               | 4–29 m <sup>3</sup> /h | 4–29 m <sup>3</sup> /h |
|                                 | bei 10 Pa              | 4–32 m <sup>3</sup> /h | 4–32 m <sup>3</sup> /h |
|                                 | bei 20 Pa              | 5–45 m <sup>3</sup> /h | 5–45 m <sup>3</sup> /h |
| Sound absorption<br>$D_{n,e,w}$ | at min. air throughput | 38 dB                  | 42 dB                  |
|                                 | at max. air throughput | 38 dB                  | 41 dB                  |

<sup>1)</sup> Measured independently of profile and hardware

Example of humidity control with a pressure differential of

10 Pa —————

20 Pa - - - - -



## Installation variants

| AEROMAT midi HY                                                            | AEROMAT midi HY 42 dB                                                      |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <p>Length of weather grille = 400 mm</p> <p>Ventilator length = 420 mm</p> | <p>Length of weather grille = 400 mm</p> <p>Ventilator length = 420 mm</p> |

## Ordering information

| material description                   |                     | Colour                      | VE      | Material number |
|----------------------------------------|---------------------|-----------------------------|---------|-----------------|
| AEROMAT midi HY                        | with outer panel    | white (similar to RAL 9016) | 5 units | L4210320-004121 |
|                                        | without outer panel | white (similar to RAL 9016) | 5 units | L4210380-004120 |
|                                        | with outer panel    | Special colour*             | 5 units | L4210370-0V0010 |
| AEROMAT midi HY 42 dB                  | with outer panel    | white (similar to RAL 9016) | 5 units | L4210420-004121 |
|                                        | without outer panel | white (similar to RAL 9016) | 5 units | L4210480-004120 |
|                                        | with outer panel    | Special colour*             | 5 units | L4210470-0V0010 |
| AEROMAT midi HY with 3 functions       | with outer panel    | white (similar to RAL 9016) | 5 units | L4210620-004120 |
|                                        | without outer panel | white (similar to RAL 9016) | 5 units | L4210850-004120 |
|                                        | with outer panel    | Special colour*             | 5 units | L4210655-0V0120 |
| AEROMAT midi HY 42 dB with 3 functions | with outer panel    | white (similar to RAL 9016) | 5 units | L4210660-004120 |
|                                        | without outer panel | white (similar to RAL 9016) | 5 units | L4210860-004120 |
|                                        | with outer panel    | Special colour*             | 5 units | L4210700-0V0120 |

## Accessories

| Material description                             | Colour                      | VE      | Material number |
|--------------------------------------------------|-----------------------------|---------|-----------------|
| Duct set                                         | white (similar to RAL 9016) | 5 units | L4210810-004120 |
|                                                  | black (similar to RAL 9011) | 5 units | L4210820-0F8121 |
|                                                  | Special colour*             | 5 units | L4210820-0V0120 |
| Flat duct set                                    | white (similar to RAL 9016) | 5 units | L4210840-004120 |
|                                                  | Special colour*             | 5 units | L4210840-0V0120 |
| Flat outer panel                                 | white (similar to RAL 9016) | 5 units | L4210710-004120 |
|                                                  | Special colour*             | 5 units | L4210750-0V0120 |
| Flat outer panel ALU                             | white (similar to RAL 9016) | 5 units | L4210760-504120 |
|                                                  | Anodised                    | 5 units | L4210770-524120 |
|                                                  | Special colour*             | 5 units | L4210780-5V0120 |
| Outer panel                                      | Special colour*             | 5 units | L4210360-0V0010 |
| Plastering strip for roller shutter installation |                             | 5 units | L4210460-004120 |

\*Special colour similar to RAL 1011, RAL 1013, RAL 7011, RAL 7016, RAL 8004, RAL 8019, RAL 8024

min. purchase volume 4 packaging units = 20 piece