**ENDURA® tWIST**

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DESCRIPTION (red highlighted text can be deleted according to your choice)

* Type: decentralised window ventilator with heat recovery, continuous supply of fresh air and simultaneous extraction of used air.
* Installation: horizontally (above window profile) or vertically (perfectly combinable with screens/roller shutters)
* Installation without ducts, so ideal solution for renovation
* With regenerative alternating technology:
	+ continuous supply of fresh air and simultaneous extraction of polluted air: two ventilation units alternate cyclically between supply and extraction of air
	+ frost- and condensation- free
* Modular system: 2 ventilation units per product, with 1 up to 6 fans per ventilation unit

(more fans = more airflow)

* **Thermally broken**
* Low sound generation
* Low power consumption
* Bypass function: no pre-heating of the supplied air during summer
* Natural ventilation-function: natural instead of mechanical supply and extraction
* Silent mode-function: limited power consumption and sound generation (e.g. for night time)
* Fully closable: fans turn 90° until closed position
* **Material and surface finishing:**
	+ **aluminium** interior and exterior profiles
	+ available powder coated in any RAL colour
* Various air supply possibilities
	+ downwards
	+ upwards
* Watertight **rain cap**
* Control options:
	+ optional: Touch Display with integrated IAQ-sensors
	+ optional: Integration in Building Management System (BMS) possible
	+ optional: Button control
* Optionally available with **filters** (G3 or F7)
* Optionally available with demand controlled: Indoor Air Quality (IAQ)
* Ease of maintenance: ventilation units and filters easily accessible by opening the interior profile
* European EcoDesign label: A / A+

Technical specifications[[1]](#footnote-1)

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| **Endura Twist\*** |
| Number of fans | **2x1** | **2x2** | **2x3** | **2x4** | **2x5** | **2x6** |
| Qmin (m³/h) | 7,5 (m³/h) | 15 (m³/h) | 22,5 (m³/h) | 30 (m³/h) | 37,5 (m³/h) | 45 (m³/h) |
| Qnom (m³/h) | 15 (m³/h) | 30 (m³/h) | 45 (m³/h) | 60 (m³/h) | 75 (m³/h) | 90 (m³/h) |
| Qmax (m³/h) | 30 (m³/h) | 60 (m³/h) | 90 (m³/h) | 120 (m³/h) | 150 (m³/h) | 180 (m³/h) |
|   |
| Thermical efficiency level (EN13141-8) | 81% |
|   |
| Sound reduction (ISO 10140-2) Dn,e,w (C;Ctr) in open position | max. 42 (-1;-3) dB |
|
|   |
| Sound reduction (ISO 10140-2) Dn,e,w (C;Ctr) in closed position | max. 47 (-1;-4) dB |
|   |
| Sound generation (ISO 3741:2010) Lp: measured at 2m distance from the window vent |
| Qmin  | 16,5 dB(A) | 23,9 dB(A) | 24,6 dB(A) | 26,9 dB(A) | 27,3 dB(A) | 28,7 dB(A) |
| Qnom | 21,1 dB(A) | 27,8 dB(A) | 28,6 dB(A) | 30,8 dB(A) | 31,3 dB(A) | 32,6 dB(A) |
| Qmax | 32,7 dB(A) | 35,4 dB(A) | 37,3 dB(A) | 38,4 dB(A) | 39,4 dB(A) | 40,2 dB(A) |
|   |
| Power Consumption |
| Qmin  | 2,5 W | 3,4 W | 4,3 W | 5,2 W | 6,1 W | 7 W |
| Qnom | 3,1 W | 4,6 W | 6,1 W | 7,6 W | 9,1 W | 10,6 W |
| Qmax | 5,2 W | 8,8 W | 12,4 W | 16 W | 19,6 W | 23,2 W |
|   |
| U-value (EN ISO 10077-2) | 1,0 W/m²K |
| Watertightness (in open position)(EN 13141-1:2004) | up to 150Pa |
|   |
| Height | 110mm |
| Length | min. 750mm / max 6000mm |
| Depth | 320mm (345mm incl. regenkap) |
| Filter | optioneel G3 of F7 filter  |
| Device class | I |
| Usable temperature-range | from ‒15 °C to +45 °C |
| Resistant to frost | √ |
| Condensation free | √ |
|   |
| Voltage | 230V / 50Hz |
| Voltage of device (internal) | 15V DC |
| Supply voltage | 230 V AC ± 10% |

DIMENSIONS

* **Height:** 110 mm
* **Depth:** 320 mm (345 mm incl. rain cap)
* **Length:** 2x1 fans: 750mm – 6000mm

2x2 fans: 1000mm – 6000mm

2x3 fans: 1250mm – 6000mm

2x4 fans: 1500mm – 6000mm

2x5 fans: 1750mm – 6000mm

2x6 fans: 2000mm – 6000mm

1. \* More information: see Technical data sheet.

 Technical specifications based upon internal test results. Possible variations in external testing. [↑](#footnote-ref-1)