

ECODESIGN INFORMATION

Applies to residential ventilation units (RVU)

According to Regulation EU No 1253/2014 of the European Commission, implementing Directive 2009/125/CE of European Parliament

| | | | | | |
|---|--|--|--|--|--|
| a) Brand | SODECA, SLU | SODECA, SLU | SODECA, SLU | SODECA, SLU | SODECA, SLU |
| b) Model | REB-25 | REB-40 | REB-60 | REB-80 | REB-120 |
| c) Specific energy consumption (SEC) average climate (kWh/(m ² .yr)) | -28.9 | -33.8 | -35 | -32 | -32.9 |
| c) Specific energy consumption (SEC) cold climate (kWh/(m ² .yr)) | -64.6 | -69.8 | -70.4 | -68 | -68 |
| c) Specific energy consumption (SEC) warm climate (kWh/(m ² .yr)) | -5.8 | -10.6 | -12.1 | -8.8 | -10.2 |
| c) SEC class | B | B | A | B | B |
| d) Typology | RVU / BVU | RVU / BVU | RVU / BVU | RVU / BVU | RVU / BVU |
| e) Drive type | Multi-speed | Multi-speed | Multi-speed | Multi-speed | Multi-speed |
| f) HRS type | Recuperative | Recuperative | Recuperative | Recuperative | Recuperative |
| g) Thermal efficiency of heat recovery (%) | 81 | 82 | 80 | 82 | 79 |
| h) Maximum flow rate (m ³ /h) | 133 | 295 | 472 | 636 | 999 |
| i) Electric power input of the fan drive at maximum flow rate (W) | 71 | 126 | 155 | 293 | 400 |
| j) Sound power level (LWA) (dBA) | 52 | 54 | 56 | 58 | 59 |
| k) Reference flow rate (m ³ /s) | 0.026 | 0.057 | 0.092 | 0.124 | 0.194 |
| l) Reference pressure difference (Pa) | 74 | 50 | 56 | 85 | 50 |
| m) SPI (W/m ³ /h) | 0.435 | 0.287 | 0.23 | 0.345 | 0.285 |
| n) Control factor | 1 | 1 | 1 | 1 | 1 |
| n) Control typology | Manual control | Manual control | Manual control | Manual control | Manual control |
| o) Declared max. internal leakage rate (%) | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| o) Max. external leakage rate (%) | 2.2 | 1.3 | 1.1 | 1.1 | 0.8 |
| p) Mixing rate | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| q) Position and description of visual filter warning | See manual | See manual | See manual | See manual | See manual |
| r) Instructions to install regulated grilles | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| s) Website | www.sodeca.com | www.sodeca.com | www.sodeca.com | www.sodeca.com | www.sodeca.com |
| t) Airflow sensitivity to pressure variations at +20 Pa and -20 Pa | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| u) Indoor/outdoor air tightness | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| v) Annual electricity consumption (AEC) average climate (kWh/yr) | 600 | 400 | 300 | 500 | 400 |
| v) Annual electricity consumption (AEC) warm climate (kWh/yr) | 500 | 400 | 300 | 400 | 400 |
| v) Annual electricity consumption (AEC) cold climate (kWh/yr) | 1100 | 900 | 900 | 1000 | 900 |
| w) Annual heating saved (AHS) average climate (kWh/yr) | 4300 | 4300 | 4300 | 4300 | 4200 |
| w) Annual heating saved (AHS) warm climate (kWh/yr) | 1900 | 2000 | 1900 | 2000 | 1900 |
| w) Annual heating saved (AHS) cold climate (kWh/yr) | 8400 | 8500 | 8300 | 8500 | 8300 |
| ErP compliance | 2018 | 2018 | 2018 | 2018 | 2018 |