

## 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 <sup>2</sup> .yr)) | -28.9  | -33.8  | -35  | -32  | -32.9  |
| c) Specific energy consumption (SEC) cold climate (kWh/(m <sup>2</sup> .yr))    | -64.6  | -69.8  | -70.4  | -68  | -68  |
| c) Specific energy consumption (SEC) warm climate (kWh/(m <sup>2</sup> .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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /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  | <a href="http://www.sodeca.com">www.sodeca.com</a> | <a href="http://www.sodeca.com">www.sodeca.com</a> | <a href="http://www.sodeca.com">www.sodeca.com</a> | <a href="http://www.sodeca.com">www.sodeca.com</a> | <a href="http://www.sodeca.com">www.sodeca.com</a> |
| 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   |