

## 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  | SODECA, SLU  | SODECA, SLU  |
| b) Model   | REB/EC-V-500<br>F6+F8                              | REB/EC-V-700<br>F6+F8                              | REB/EC-V-1000<br>F6+F8                             | REB/EC-V-500<br>F7+F9                              | REB/EC-V-700<br>F7+F9                              | REB/EC-V-1000<br>F7+F9                             | REB/EC-H-500<br>F6+F8                              |
| c) Specific energy consumption (SEC)<br>average climate (kWh/(m <sup>2</sup> .yr)) | -39.2  | -40.2  | -38.1  | -39.2  | -40.2  | -38.1  | -39.2  |
| c) Specific energy consumption (SEC)<br>cold climate (kWh/(m <sup>2</sup> .yr))    | -75.6  | -76.6  | -74.5  | -75.6  | -76.6  | -74.5  | -75.6  |
| c) Specific energy consumption (SEC)<br>warm climate (kWh/(m <sup>2</sup> .yr))    | -15.7  | -16.8  | -14.6  | -15.7  | -16.8  | -14.6  | -15.7  |
| c) SEC class   | A  | A  | A  | A  | A  | A  | A  |
| d) Typology  | RVU / BVU  | RVU / BVU  | RVU / BVU  | RVU / BVU  | RVU / BVU  | RVU / BVU  | RVU / BVU  |
| e) Drive type  | Multi-speed  | Multi-speed  | Multi-speed  | Multi-speed  | Multi-speed  | Multi-speed  | Multi-speed  |
| f) HRS type  | Recuperative                                       | Recuperative                                       | Recuperative                                       | Recuperative                                       | Recuperative                                       | Recuperative                                       | Recuperative                                       |
| g) Thermal efficiency of heat recovery<br>(%)                                      | 74   | 74   | 74   | 74   | 74   | 74   | 74   |
| h) Maximum flow rate (m <sup>3</sup> /h)   | 482  | 664  | 951  | 472  | 652  | 925  | 482  |
| i) Electric power input of the fan drive<br>at maximum flow rate (W)               | 339  | 339  | 839  | 339  | 339  | 832  | 339  |
| j) Sound power level (LWA) (dBA)   | 64   | 64   | 62   | 64   | 64   | 62   | 64   |
| k) Reference flow rate (m <sup>3</sup> /s)   | 0.094  | 0.129  | 0.185  | 0.092  | 0.127  | 0.18   | 0.094  |
| l) Reference pressure difference (Pa)  | 50   | 50   | 50   | 50   | 50   | 50   | 50   |
| m) SPI (W/m <sup>3</sup> /h)   | 0.345  | 0.25   | 0.432  | 0.351  | 0.255  | 0.44   | 0.345  |
| n) Control factor  | 0.65   | 0.65   | 0.65   | 0.65   | 0.65   | 0.65   | 0.65   |
| n) Control typology  | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            |
| o) Declared max. internal leakage rate<br>(%)                                      | 1.6  | 1.7  | 1.3  | 1.6  | 1.7  | 1.3  | 1.6  |
| o) Max. external leakage rate (%)  | 2.6  | 2.4  | 1.8  | 2.6  | 2.4  | 1.8  | 2.6  |
| p) Mixing rate   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| q) Position and description of visual<br>filter warning                            | See manual   | See manual   | 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                                     | 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> | <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<br>variations at +20 Pa and -20 Pa              | 0.00   | 0.00   | 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   | 0.00   | 0.00   |
| v) Annual electricity consumption (AEC)<br>average climate (kWh/yr)                | 163  | 120  | 208  | 163  | 120  | 208  | 163  |
| v) Annual electricity consumption (AEC)<br>warm climate (kWh/yr)                   | 162  | 120  | 207  | 162  | 120  | 207  | 162  |
| v) Annual electricity consumption (AEC)<br>cold climate (kWh/yr)                   | 168  | 126  | 213  | 168  | 126  | 213  | 168  |
| w) Annual heating saved (AHS) average<br>climate (kWh/yr)                          | 4368   | 4368   | 4370   | 4368   | 4368   | 4370   | 4368   |
| w) Annual heating saved (AHS) warm<br>climate (kWh/yr)                             | 1975   | 1975   | 1976   | 1975   | 1975   | 1976   | 1975   |
| w) Annual heating saved (AHS) cold<br>climate (kWh/yr)                             | 8545   | 8544   | 8549   | 8545   | 8544   | 8549   | 8545   |
| ErP compliance   | 2018   | 2018   | 2018   | 2018   | 2018   | 2018   | 2018   |

# 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/EC-H-700<br>F6+F8                              | REB/EC-H-1000<br>F6+F8                             | REB/EC-H-500<br>F7+F9                              | REB/EC-H-700<br>F7+F9                              | REB/EC-H-1000<br>F7+F9                             |
| c) Specific energy consumption (SEC) average climate<br>(kWh/(m <sup>2</sup> .yr)) | -40.2  | -38.1  | -39.2  | -40.2  | -38.1  |
| c) Specific energy consumption (SEC) cold climate<br>(kWh/(m <sup>2</sup> .yr))    | -76.6  | -74.5  | -75.6  | -76.6  | -74.5  |
| c) Specific energy consumption (SEC) warm climate<br>(kWh/(m <sup>2</sup> .yr))    | -16.8  | -14.6  | -15.7  | -16.8  | -14.6  |
| c) SEC class   | A  | A  | A  | A  | A  |
| 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 (%)   | 74   | 74   | 74   | 74   | 74   |
| h) Maximum flow rate (m <sup>3</sup> /h)   | 664  | 951  | 472  | 652  | 925  |
| i) Electric power input of the fan drive at maximum flow rate<br>(W)               | 339  | 839  | 339  | 339  | 832  |
| j) Sound power level (LWA) (dBA)   | 64   | 62   | 64   | 64   | 62   |
| k) Reference flow rate (m <sup>3</sup> /s)   | 0.129  | 0.185  | 0.092  | 0.127  | 0.18   |
| l) Reference pressure difference (Pa)  | 50   | 50   | 50   | 50   | 50   |
| m) SPI (W/m <sup>3</sup> /h)   | 0.25   | 0.432  | 0.351  | 0.255  | 0.44   |
| n) Control factor  | 0.65   | 0.65   | 0.65   | 0.65   | 0.65   |
| n) Control typology  | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            | Local demand<br>control                            |
| o) Declared max. internal leakage rate (%)   | 1.7  | 1.3  | 1.6  | 1.7  | 1.3  |
| o) Max. external leakage rate (%)  | 2.4  | 1.8  | 2.6  | 2.4  | 1.8  |
| 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<br>(kWh/yr)                | 120  | 208  | 163  | 120  | 208  |
| v) Annual electricity consumption (AEC) warm climate<br>(kWh/yr)                   | 120  | 207  | 162  | 120  | 207  |
| v) Annual electricity consumption (AEC) cold climate (kWh/yr)                      | 126  | 213  | 168  | 126  | 213  |
| w) Annual heating saved (AHS) average climate (kWh/yr)                             | 4368   | 4370   | 4368   | 4368   | 4370   |
| w) Annual heating saved (AHS) warm climate (kWh/yr)                                | 1975   | 1976   | 1975   | 1975   | 1976   |
| w) Annual heating saved (AHS) cold climate (kWh/yr)                                | 8544   | 8549   | 8545   | 8544   | 8549   |
| ErP compliance   | 2018   | 2018   | 2018   | 2018   | 2018   |