

**Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014**

|                                                                                      |           | <b>VRC-W 250 E Premium</b>                                         |
|--------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------|
|                                                                                      |           | 205086                                                             |
| Manufacturer                                                                         |           | STIEBEL ELTRON                                                     |
| Specific energy consumption under colder climate conditions with time control        | kWh/(m2a) | -69.2                                                              |
| Specific energy consumption under average climate conditions with time control       | kWh/(m2a) | -35                                                                |
| Specific energy consumption under warmer climate conditions with time control        | kWh/(m2a) | -12.8                                                              |
| Energy efficiency class under colder climate conditions with time control (A+ -> G)  |           | A+                                                                 |
| Energy efficiency class under average climate conditions with time control (A+ -> G) |           | A                                                                  |
| Energy efficiency class under warmer climate conditions with time control (A+ -> G)  |           | E                                                                  |
| Ventilation unit type                                                                |           | WLA, Zwei Richtungen                                               |
| Drive type                                                                           |           | Drehzahl geregelt                                                  |
| Heat recovery type                                                                   |           | Rekuperativ                                                        |
| Rate of temperature change for heat recovery                                         | %         | 74.8                                                               |
| Max. air flow rate                                                                   | m3/h      | 250                                                                |
| Max. power consumption                                                               | Watt      | 170                                                                |
| Sound power level LWA                                                                | dB(A)     | 54                                                                 |
| Reference air flow rate                                                              | m3/s      | 0.1                                                                |
| Reference pressure differential                                                      | Pa        | 50                                                                 |
| Specific power input                                                                 | Wm3h      | 0.2                                                                |
| Control factor, time control                                                         |           | 0,95                                                               |
| Internal air leakage quota                                                           | %         | 0.8                                                                |
| External air leakage quota                                                           | %         | 0.6                                                                |
| Mixing ratio                                                                         |           | -                                                                  |
| Internet address                                                                     |           | <a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a> |
| Sensitivity to pressure fluctuations                                                 |           | -                                                                  |
| Airtightness between indoors and outdoors                                            |           | -                                                                  |
| Annual power consumption under colder climate conditions with time control           | kWh/a     | 819                                                                |
| Annual power consumption under average climate conditions with time control          | kWh/a     | 282                                                                |
| Annual power consumption under warmer climate conditions with time control           | kWh/a     | 237                                                                |
| Annual heating savings under colder climate conditions with time control             | kWh/a     | 8095                                                               |
| Annual heating savings under average climate conditions with time control            | kWh/a     | 4138                                                               |
| Annual heating savings under warmer climate conditions with time control             | kWh/a     | 1871                                                               |