

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

|                                                                                  |           | <b>LWE-W 100 P</b>                                                                                                                                            |
|----------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                  |           | 206648                                                                                                                                                        |
| Manufacturer                                                                     |           | STIEBEL ELTRON                                                                                                                                                |
| Specific energy consumption under colder climate conditions with manual control  | kWh/(m²a) | -77,86                                                                                                                                                        |
| Specific energy consumption under average climate conditions with manual control | kWh/(m²a) | -34,91                                                                                                                                                        |
| Specific energy consumption under warmer climate conditions with manual control  | kWh/(m²a) | -10,32                                                                                                                                                        |
| Energy efficiency class under colder climate conditions with manual control      |           | A+                                                                                                                                                            |
| Energy efficiency class under average climate conditions with manual control     |           | A                                                                                                                                                             |
| Energy efficiency class under warmer climate conditions with manual control      |           | E                                                                                                                                                             |
| Ventilation unit type                                                            |           | WLA, Zwei Richtungen                                                                                                                                          |
| Drive type                                                                       |           | Mehrstufig                                                                                                                                                    |
| Heat recovery type                                                               |           | Regenerativ                                                                                                                                                   |
| Rate of temperature change for heat recovery                                     | %         | 88,0                                                                                                                                                          |
| Max. air flow rate                                                               | m³/h      | 100                                                                                                                                                           |
| Max. power consumption                                                           | W         | 60                                                                                                                                                            |
| Sound power level LWA                                                            | dB(A)     | 44                                                                                                                                                            |
| Reference air flow rate                                                          | m³/s      | 0,019                                                                                                                                                         |
| Reference pressure differential                                                  | Pa        | 50                                                                                                                                                            |
| Specific power input                                                             | W/(m³/h)  | 0,36                                                                                                                                                          |
| Control factor, manual control                                                   |           | 1,00                                                                                                                                                          |
| Filter change indicator                                                          |           | Visual filter change warning signal on the remote control display. Please note: Regular filter changes are important for the energy efficiency of the system. |
| Instructions for controllable outdoor air grilles with ELA                       |           | not applicable                                                                                                                                                |
| Sensitivity to pressure fluctuations                                             | %         | -20/17,8                                                                                                                                                      |
| Airtightness between indoors and outdoors                                        | m³/h      | 2,10                                                                                                                                                          |
| Annual power consumption under colder climate conditions with manual control     | kWh/a     | 400                                                                                                                                                           |
| Annual power consumption under average climate conditions with manual control    | kWh/a     | 400                                                                                                                                                           |
| Annual power consumption under warmer climate conditions with manual control     | kWh/a     | 400                                                                                                                                                           |
| Annual heating savings under colder climate conditions with manual control       | kWh/a     | 8785                                                                                                                                                          |
| Annual heating savings under average climate conditions with manual control      | kWh/a     | 4490                                                                                                                                                          |
| Annual heating savings under warmer climate conditions with manual control       | kWh/a     | 2031                                                                                                                                                          |