

**Product datasheet: Mechanical ventilation units to regulation (EU) no. 1254/2014 | 1253/2014**

|  |                           | <b>LWZ 280 Balance Set 1</b>   |
|--|---------------------------|--|
|  |                           | 236883   |
| Manufacturer   |                           | STIEBEL ELTRON   |
| Specific energy consumption in colder climates, central demand-dependent control   | kWh/(m <sup>2</sup> p.a.) | -78.64   |
| Specific energy consumption in average climates, central demand-dependent control  | kWh/(m <sup>2</sup> p.a.) | -40.18   |
| Specific energy consumption in warmer climates, central demand-dependent control   | kWh/(m <sup>2</sup> p.a.) | -15.52   |
| Energy efficiency class in colder climates, central demand-dependent control       |                           | A+   |
| Energy efficiency class in average climates, central demand-dependent control      |                           | A  |
| Energy efficiency class in warmer climates, central demand-dependent control       |                           | E  |
| Ventilation unit type  |                           | WLA, Two directions  |
| Drive type   |                           | Variable speed   |
| Heat recovery method   |                           | Recovery   |
| Rate of temperature change for heat recovery                                       | %                         | 88.3   |
| Max. air flow rate   | m <sup>3</sup> /h         | 350  |
| Max. power consumption   | W                         | 134  |
| Sound power level Lwa  | dB(A)                     | 48   |
| Reference air flow rate  | m <sup>3</sup> /s         | 0.06806  |
| Reference pressure differential  | Pa                        | 50   |
| Specific input   | W/(m <sup>3</sup> /h)     | 0.23   |
| Control factor, central demand-dependent control                                   |                           | 0.85   |
| Declared maximum internal leakage rates  | %                         | 0.45   |
| Declared maximum external leakage rates  | %                         | 0.32   |
| Filter change indicator  |                           | Optical filter change indicator in the remote control display Attention: A regular filter change is important for a low energy efficiency of the system. |
| Internet address for assembly and disassembly instructions                         |                           | <a href="http://www.stiebel-eltron.com">www.stiebel-eltron.com</a>   |
| Annual power consumption in colder climates with central demand-dependent control  | kWh/a                     | 790  |
| Annual power consumption in average climates with central demand-dependent control | kWh/a                     | 253  |
| Annual power consumption in warmer climates with central demand-dependent control  | kWh/a                     | 208  |
| Annual heating savings in colder climates with central demand-dependent control    | kWh/a                     | 8967   |
| Annual heating savings in average climates with central demand-dependent control   | kWh/a                     | 4584   |
| Annual heating savings in warmer climates with central demand-dependent control    | kWh/a                     | 2073   |