



# ENERGY

**STIEBEL ELTRON**

LWZ 280 Enthalpie  
manual



**47.7**  
dB

**350 m<sup>3</sup>/h**

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2016

1254/2014

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

|  |                           | <b>LWZ 280 Enthalpie</b>   |
|--|---------------------------|--|
|  |                           | 236647   |
| Manufacturer   |                           | STIEBEL ELTRON   |
| Model identification of the supplier                             |                           | LWZ 280 Enthalpie  |
| Specific energy consumption in colder climates, manual control   | kWh/(m <sup>2</sup> p.a.) | -68.14   |
| Specific energy consumption in average climates, manual control  | kWh/(m <sup>2</sup> p.a.) | -33.99   |
| Specific energy consumption in warmer climates, manual control   | kWh/(m <sup>2</sup> p.a.) | -11.80   |
| Energy efficiency class in colder climates, manual control       |                           | A+   |
| Energy efficiency class in average climates, manual control      |                           | B  |
| Energy efficiency class in warmer climates, manual control       |                           | E  |
| Drive type   |                           | Variable speed   |
| Heat recovery method   |                           | Recovery   |
| Rate of temperature change for heat recovery                     | %                         | 75.9   |
| Max. air flow rate   | m <sup>3</sup> /h         | 350  |
| Max. power consumption   | W                         | 105  |
| Sound power level Lwa  | dB(A)                     | 47.7   |
| Reference air flow rate  | m <sup>3</sup> /s         | 0.068  |
| Reference pressure differential                                  | Pa                        | 50   |
| Specific input   | W/(m <sup>3</sup> /h)     | 0.19   |
| Control factor, manual control                                   |                           | 1  |
| Declared maximum internal leakage rates                          | %                         | 114.0  |
| Declared maximum external leakage rates                          | %                         | 0.32   |
| 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 manual control  | kWh/a                     | 858  |
| Annual power consumption in average climates with manual control | kWh/a                     | 321  |
| Annual power consumption in warmer climates with manual control  | kWh/a                     | 276  |
| Annual heating savings in colder climates with manual control    | kWh/a                     | 8085   |
| Annual heating savings in average climates with manual control   | kWh/a                     | 4133   |
| Annual heating savings in warmer climates with manual control    | kWh/a                     | 1869   |



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LWZ 280 Enthalpie  
clock



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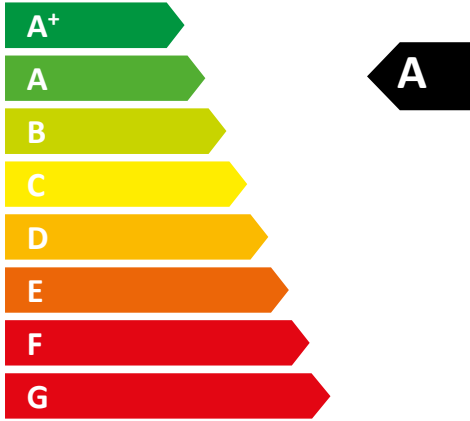
|  |                           | <b>LWZ 280 Enthalpie</b>   |
|--|---------------------------|--|
|  |                           | 236647   |
| Manufacturer   |                           | STIEBEL ELTRON   |
| Model identification of the supplier                           |                           | LWZ 280 Enthalpie  |
| Specific energy consumption in colder climates, time control   | kWh/(m <sup>2</sup> p.a.) | -69.56   |
| Specific energy consumption in average climates, time control  | kWh/(m <sup>2</sup> p.a.) | -35.04   |
| Specific energy consumption in warmer climates, time control   | kWh/(m <sup>2</sup> p.a.) | -12.64   |
| Energy efficiency class in colder climates, time control       |                           | A+   |
| Energy efficiency class in average climates, time control      |                           | A  |
| Energy efficiency class in warmer climates, time control       |                           | E  |
| Drive type   |                           | Variable speed   |
| Heat recovery method   |                           | Recovery   |
| Rate of temperature change for heat recovery                   | %                         | 75.9   |
| Max. air flow rate   | m <sup>3</sup> /h         | 350  |
| Max. power consumption   | W                         | 105  |
| Sound power level Lwa  | dB(A)                     | 47.7   |
| Reference air flow rate  | m <sup>3</sup> /s         | 0.068  |
| Reference pressure differential                                | Pa                        | 50   |
| Specific input   | W/(m <sup>3</sup> /h)     | 0.19   |
| Control factor, time control                                   |                           | 0,95   |
| Declared maximum internal leakage rates                        | %                         | 114.0  |
| Declared maximum external leakage rates                        | %                         | 0.32   |
| 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 time control  | kWh/a                     | 831  |
| Annual power consumption in average climates with time control | kWh/a                     | 294  |
| Annual power consumption in warmer climates with time control  | kWh/a                     | 249  |
| Annual heating savings in colder climates with time control    | kWh/a                     | 8160   |
| Annual heating savings in average climates with time control   | kWh/a                     | 4171   |
| Annual heating savings in warmer climates with time control    | kWh/a                     | 1886   |



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LWZ 280 Enthalpie  
sensor



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|  |                           | <b>LWZ 280 Enthalpie</b>   |
|--|---------------------------|--|
|  |                           | 236647   |
| Manufacturer   |                           | STIEBEL ELTRON   |
| Model identification of the supplier   |                           | LWZ 280 Enthalpie  |
| Specific energy consumption in colder climates, central demand-dependent control   | kWh/(m <sup>2</sup> p.a.) | -72.98   |
| Specific energy consumption in average climates, central demand-dependent control  | kWh/(m <sup>2</sup> p.a.) | -37.73   |
| Specific energy consumption in warmer climates, central demand-dependent control   | kWh/(m <sup>2</sup> p.a.) | -14.91   |
| 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  |
| Drive type   |                           | Variable speed   |
| Heat recovery method   |                           | Recovery   |
| Rate of temperature change for heat recovery                                       | %                         | 75.9   |
| Max. air flow rate   | m <sup>3</sup> /h         | 350  |
| Max. power consumption   | W                         | 105  |
| Sound power level Lwa  | dB(A)                     | 47.7   |
| Reference air flow rate  | m <sup>3</sup> /s         | 0.068  |
| Reference pressure differential  | Pa                        | 50   |
| Specific input   | W/(m <sup>3</sup> /h)     | 0.19   |
| Control factor, central demand-dependent control                                   |                           | 0.85   |
| Declared maximum internal leakage rates  | %                         | 114.0  |
| Declared maximum external leakage rates  | %                         | 0.32   |
| 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                     | 781  |
| Annual power consumption in average climates with central demand-dependent control | kWh/a                     | 244  |
| Annual power consumption in warmer climates with central demand-dependent control  | kWh/a                     | 199  |
| Annual heating savings in colder climates with central demand-dependent control    | kWh/a                     | 8310   |
| Annual heating savings in average climates with central demand-dependent control   | kWh/a                     | 4248   |
| Annual heating savings in warmer climates with central demand-dependent control    | kWh/a                     | 1921   |