

Product datasheet: Mechanical ventilation unit with central demand-dependent control to Regulation (EU) No. 1254/2014 | 1253/2014

| | | LWZ-W 450 Trend |
|-----------------------------------------------------------------------------------------------------------|-----------|------------------------|
| | | 205074 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with control subject to on-site requirements | kWh/(m²a) | -83,41 |
| Specific energy consumption under average climate conditions with control subject to on-site requirements | kWh/(m²a) | -44,04 |
| Specific energy consumption under warmer climate conditions with control subject to on-site requirements | kWh/(m²a) | -18,86 |
| Energy efficiency class under colder climate conditions with control subject to on-site requirements | | A+ |
| Energy efficiency class under average climate conditions with control subject to on-site requirements | | A+ |
| Energy efficiency class under warmer climate conditions with control subject to on-site requirements | | E |
| Ventilation unit type | | WLA, Zwei Richtungen |
| Drive type | | Drehzahl geregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 89,3 |
| Max. air flow rate | m³/h | 450 |
| Max. power consumption | W | 125 |
| Sound power level LWA | dB(A) | 50 |
| Reference air flow rate | m³/s | 0,087 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,18 |
| Control factor, control subject to on-site requirements | | 0,65 |
| Internal air leakage quota | % | 1,02 |
| External air leakage quota | % | 0,78 |
| Annual power consumption under colder climate conditions with control subject to on-site requirements | kWh/a | 674 |
| Annual power consumption under average climate conditions with control subject to on-site requirements | kWh/a | 137 |
| Annual power consumption under warmer climate conditions with control subject to on-site requirements | kWh/a | 92 |
| Annual heating savings under colder climate conditions with control subject to on-site requirements | kWh/a | 9153 |
| Annual heating savings under average climate conditions with control subject to on-site requirements | kWh/a | 4679 |
| Annual heating savings under warmer climate conditions with control subject to on-site requirements | kWh/a | 2116 |