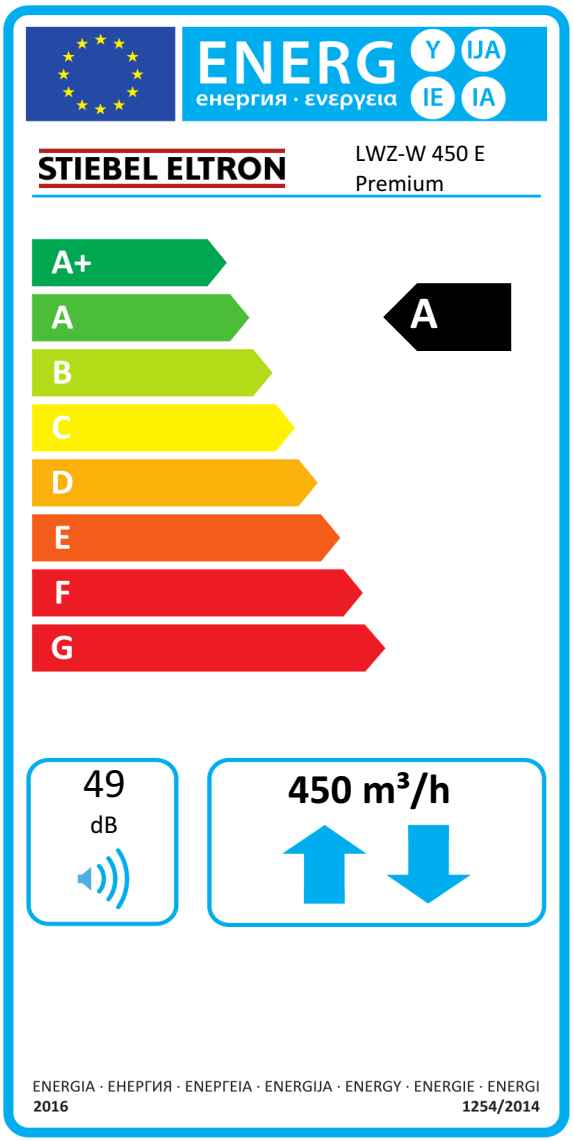
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STIEBEL ELTRON
LWZ-W 450 E
Premium
A+
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49
dB
450 m³/h
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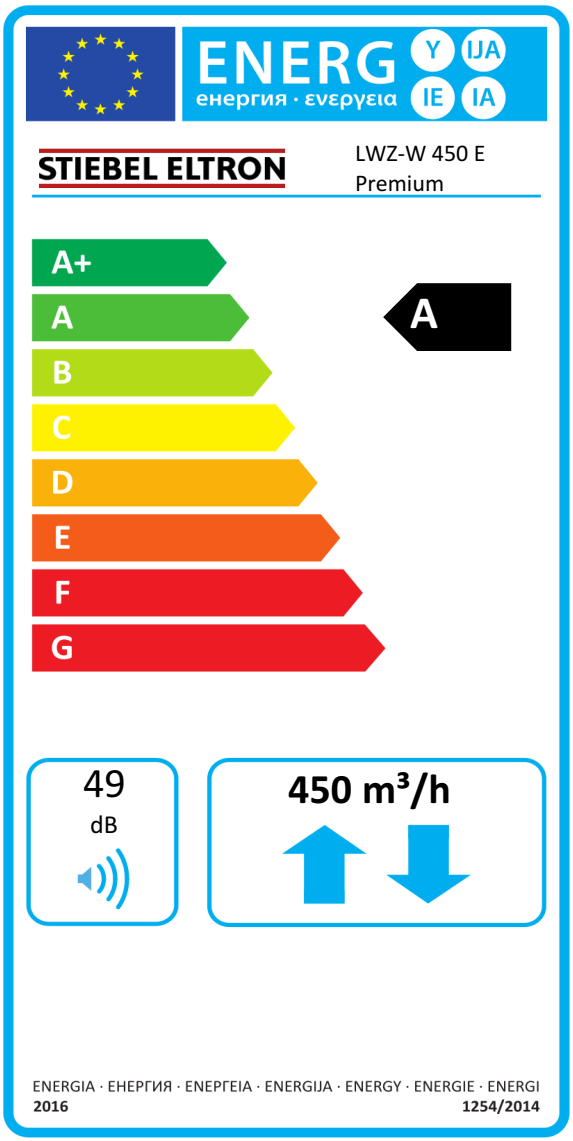
2016
1254/2014

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

| | | **LWZ-W 450 E Premium** |
|---|---|---|
| | | 204939 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with control subject to on-site requirements | kWh/(m²a) | -78,61 |
| Specific energy consumption under average climate conditions with control subject to on-site requirements | kWh/(m²a) | -41,68 |
| Specific energy consumption under warmer climate conditions with control subject to on-site requirements | kWh/(m²a) | -17,89 |
| 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 | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,0 |
| Max. air flow rate | m³/h | 450 |
| Max. power consumption | W | 116 |
| Sound power level LWA | dB(A) | 49 |
| Reference air flow rate | m³/s | 0,087 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,16 |
| Control factor, control subject to on-site requirements | | 0,65 |
| Internal air leakage quota | % | 1,10 |
| External air leakage quota | % | 0,78 |
| 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 |
| Annual power consumption under colder climate conditions with control subject to on-site requirements | kWh/a | 667 |
| Annual power consumption under average climate conditions with control subject to on-site requirements | kWh/a | 130 |
| Annual power consumption under warmer climate conditions with control subject to on-site requirements | kWh/a | 85 |
| Annual heating savings under colder climate conditions with control subject to on-site requirements | kWh/a | 8655 |
| Annual heating savings under average climate conditions with control subject to on-site requirements | kWh/a | 4424 |
| Annual heating savings under warmer climate conditions with control subject to on-site requirements | kWh/a | 2001 |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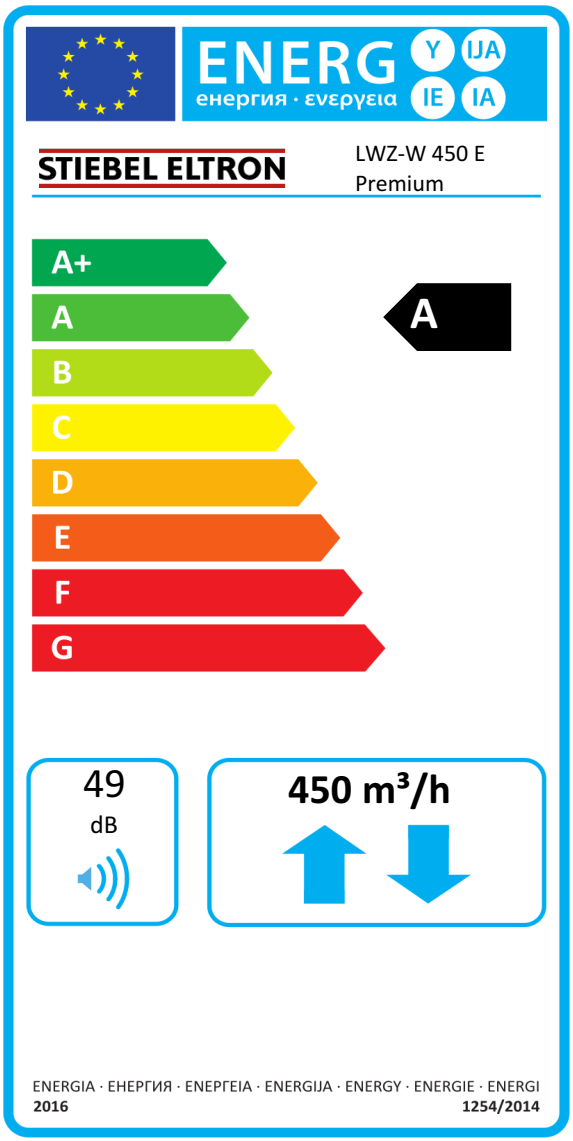
**Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014**

| | | **LWZ-W 450 E Premium** |
|---|---|---|
| | | 204939 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with central demand-dependent control | kWh/(m²a) | -74,24 |
| Specific energy consumption under average climate conditions with central demand-dependent control | kWh/(m²a) | -38,71 |
| Specific energy consumption under warmer climate conditions with central demand-dependent control | kWh/(m²a) | -15,72 |
| Energy efficiency class under colder climate conditions with central demand-dependent control | | A+ |
| Energy efficiency class under average climate conditions with central demand-dependent control | | A |
| Energy efficiency class under warmer climate conditions with central demand-dependent control | | E |
| Ventilation unit type | | WLA, Zwei Richtungen |
| Drive type | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,0 |
| Max. air flow rate | m³/h | 450 |
| Max. power consumption | W | 116 |
| Sound power level LWA | dB(A) | 49 |
| Reference air flow rate | m³/s | 0,087 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,16 |
| Control factor, central demand-dependent control | | 0,85 |
| Internal air leakage quota | % | 1,10 |
| External air leakage quota | % | 0,78 |
| 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 |
| Annual power consumption under colder climate conditions with central demand-dependent control | kWh/a | 727 |
| Annual power consumption under average climate conditions with central demand-dependent control | kWh/a | 190 |
| Annual power consumption under warmer climate conditions with central demand-dependent control | kWh/a | 145 |
| Annual heating savings under colder climate conditions with central demand-dependent control | kWh/a | 8368 |
| Annual heating savings under average climate conditions with central demand-dependent control | kWh/a | 4278 |
| Annual heating savings under warmer climate conditions with central demand-dependent control | kWh/a | 1934 |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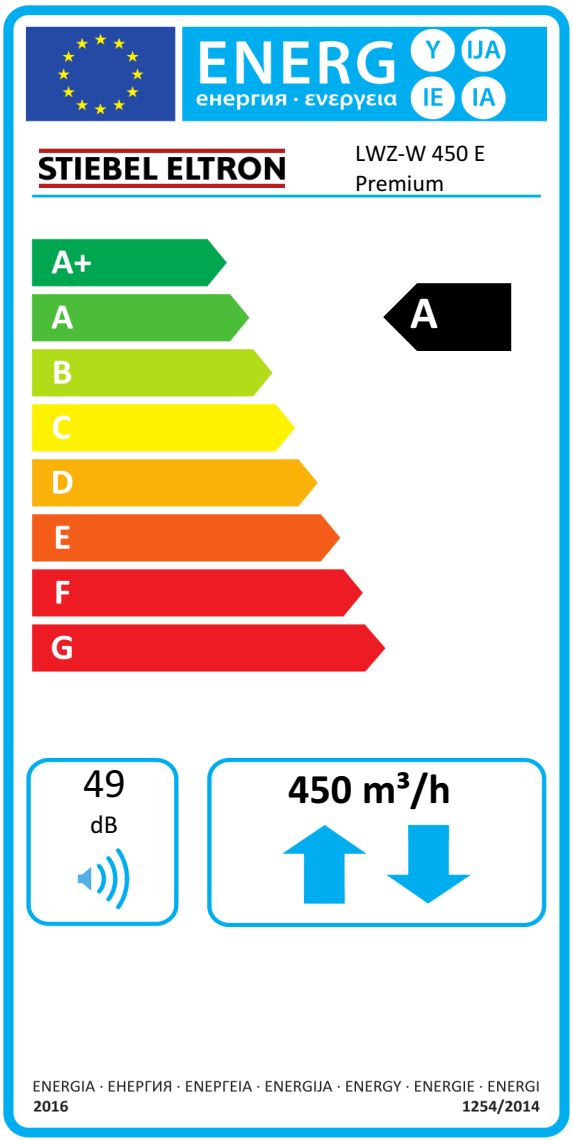
**Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014**

| | | **LWZ-W 450 E Premium** |
|---|---|---|
| | | 204939 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with time control | kWh/(m²a) | -71,91 |
| Specific energy consumption under average climate conditions with time control | kWh/(m²a) | -37,07 |
| Specific energy consumption under warmer climate conditions with time control | kWh/(m²a) | -14,49 |
| Energy efficiency class under colder climate conditions with time control | | A+ |
| Energy efficiency class under average climate conditions with time control | | A |
| Energy efficiency class under warmer climate conditions with time control | | E |
| Ventilation unit type | | WLA, Zwei Richtungen |
| Drive type | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,0 |
| Max. air flow rate | m³/h | 450 |
| Max. power consumption | W | 116 |
| Sound power level LWA | dB(A) | 49 |
| Reference air flow rate | m³/s | 0,087 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,16 |
| Control factor, time control | | 0,95 |
| Internal air leakage quota | % | 1,10 |
| External air leakage quota | % | 0,78 |
| 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 |
| Annual power consumption under colder climate conditions with time control | kWh/a | 763 |
| Annual power consumption under average climate conditions with time control | kWh/a | 226 |
| Annual power consumption under warmer climate conditions with time control | kWh/a | 181 |
| Annual heating savings under colder climate conditions with time control | kWh/a | 8225 |
| Annual heating savings under average climate conditions with time control | kWh/a | 4204 |
| Annual heating savings under warmer climate conditions with time control | kWh/a | 1901 |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**Product datasheet: Mechanical ventilation unit to Regulation (EU) No. 1254/2014 | 1253/2014**

| | | **LWZ-W 450 E Premium** |
|---|---|---|
| | | 204939 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with manual control | kWh/(m²a) | -70,70 |
| Specific energy consumption under average climate conditions with manual control | kWh/(m²a) | -36,22 |
| Specific energy consumption under warmer climate conditions with manual control | kWh/(m²a) | -13,84 |
| 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 | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,0 |
| Max. air flow rate | m³/h | 450 |
| Max. power consumption | W | 116 |
| Sound power level LWA | dB(A) | 49 |
| Reference air flow rate | m³/s | 0,087 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,16 |
| Control factor, manual control | | 1,00 |
| Internal air leakage quota | % | 1,10 |
| External air leakage quota | % | 0,78 |
| 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 |
| Annual power consumption under colder climate conditions with manual control | kWh/a | 782 |
| Annual power consumption under average climate conditions with manual control | kWh/a | 245 |
| Annual power consumption under warmer climate conditions with manual control | kWh/a | 200 |
| Annual heating savings under colder climate conditions with manual control | kWh/a | 8153 |
| Annual heating savings under average climate conditions with manual control | kWh/a | 4168 |
| Annual heating savings under warmer climate conditions with manual control | kWh/a | 1885 |