



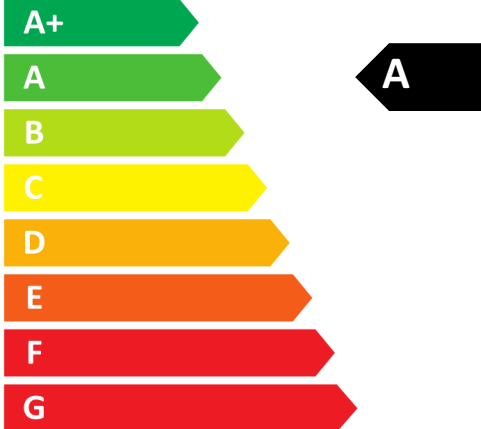
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STIEBEL ELTRON

VRC-C 450 E Trend



33
dB



180 m³/h



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

| | | VRC-C 450 E Trend |
|--------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | 205768 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with time control | kWh/(m²a) | -68,92 |
| Specific energy consumption under average climate conditions with time control | kWh/(m²a) | -34,02 |
| Specific energy consumption under warmer climate conditions with time control | kWh/(m²a) | -11,41 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahlgeregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,2 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 105 |
| Sound power level LWA | dB(A) | 33 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,27 |
| Control factor, time control | | 0,95 |
| Internal air leakage quota | % | 2,22 |
| External air leakage quota | % | 2,78 |
| Filter change indicator | | Visual filter change warning signal on the remote control display. Please note that regular filter changes are important for good system energy efficiency |
| Instructions for controllable outdoor air grilles with ELA | | not applicable |
| Annual power consumption under colder climate conditions with time control | kWh/a | 887 |
| Annual power consumption under average climate conditions with time control | kWh/a | 350 |
| Annual power consumption under warmer climate conditions with time control | kWh/a | 305 |
| Annual heating savings under colder climate conditions with time control | kWh/a | 8237 |
| Annual heating savings under average climate conditions with time control | kWh/a | 4210 |
| Annual heating savings under warmer climate conditions with time control | kWh/a | 1904 |

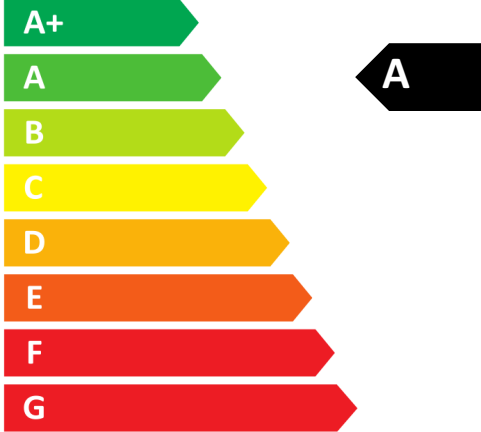


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| | | VRC-C 450 E Trend |
|----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | 205768 |
| Manufacturer | | STIEBEL ELTRON |
| Specific energy consumption under colder climate conditions with manual control | kWh/(m²a) | -67,38 |
| Specific energy consumption under average climate conditions with manual control | kWh/(m²a) | -32,84 |
| Specific energy consumption under warmer climate conditions with manual control | kWh/(m²a) | -10,42 |
| 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 | | Zwei Richtungen |
| Drive type | | Drehzahl geregelt |
| Heat recovery type | | Rekuperativ |
| Rate of temperature change for heat recovery | % | 77,2 |
| Max. air flow rate | m³/h | 180 |
| Max. power consumption | W | 105 |
| Sound power level LWA | dB(A) | 33 |
| Reference air flow rate | m³/s | 0,035 |
| Reference pressure differential | Pa | 50 |
| Specific power input | W/(m³/h) | 0,27 |
| Control factor, manual control | | 1,00 |
| Internal air leakage quota | % | 2,22 |
| External air leakage quota | % | 2,78 |
| Filter change indicator | | Visual filter change warning signal on the remote control display. Please note that regular filter changes are important for good system energy efficiency |
| Instructions for controllable outdoor air grilles with ELA | | not applicable |
| Annual power consumption under colder climate conditions with manual control | kWh/a | 920 |
| Annual power consumption under average climate conditions with manual control | kWh/a | 383 |
| Annual power consumption under warmer climate conditions with manual control | kWh/a | 338 |
| Annual heating savings under colder climate conditions with manual control | kWh/a | 8166 |
| Annual heating savings under average climate conditions with manual control | kWh/a | 4174 |
| Annual heating savings under warmer climate conditions with manual control | kWh/a | 1888 |