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**STIEBEL ELTRON**

VRC-C 450 Trend



33  
dB



180 m<sup>3</sup>/h



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2016 1254/2014

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

|                                                                                |           | VRC-C 450 Trend                                                                                                                                            |
|--------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                |           | 205767                                                                                                                                                     |
| Manufacturer                                                                   |           | STIEBEL ELTRON                                                                                                                                             |
| Specific energy consumption under colder climate conditions with time control  | kWh/(m²a) | -74,82                                                                                                                                                     |
| Specific energy consumption under average climate conditions with time control | kWh/(m²a) | -36,63                                                                                                                                                     |
| Specific energy consumption under warmer climate conditions with time control  | kWh/(m²a) | -12,12                                                                                                                                                     |
| 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                                   | %         | 88,6                                                                                                                                                       |
| 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)  | 0,30                                                                                                                                                       |
| Control factor, time control                                                   |           | 0,95                                                                                                                                                       |
| Internal air leakage quota                                                     | %         | 0,87                                                                                                                                                       |
| 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     | 921                                                                                                                                                        |
| Annual power consumption under average climate conditions with time control    | kWh/a     | 384                                                                                                                                                        |
| Annual power consumption under warmer climate conditions with time control     | kWh/a     | 339                                                                                                                                                        |
| Annual heating savings under colder climate conditions with time control       | kWh/a     | 8912                                                                                                                                                       |
| Annual heating savings under average climate conditions with time control      | kWh/a     | 4555                                                                                                                                                       |
| Annual heating savings under warmer climate conditions with time control       | kWh/a     | 2060                                                                                                                                                       |



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2016 1254/2014

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

|                                                                                  |           | VRC-C 450 Trend                                                                                                                                            |
|----------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                  |           | 205767                                                                                                                                                     |
| Manufacturer                                                                     |           | STIEBEL ELTRON                                                                                                                                             |
| Specific energy consumption under colder climate conditions with manual control  | kWh/(m²a) | -73,55                                                                                                                                                     |
| Specific energy consumption under average climate conditions with manual control | kWh/(m²a) | -35,53                                                                                                                                                     |
| Specific energy consumption under warmer climate conditions with manual control  | kWh/(m²a) | -11,12                                                                                                                                                     |
| 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                                                                       |           | Drehzahlgeregelt                                                                                                                                           |
| Heat recovery type                                                               |           | Rekuperativ                                                                                                                                                |
| Rate of temperature change for heat recovery                                     | %         | 88,6                                                                                                                                                       |
| 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)  | 0,30                                                                                                                                                       |
| Control factor, manual control                                                   |           | 1,00                                                                                                                                                       |
| Internal air leakage quota                                                       | %         | 0,87                                                                                                                                                       |
| 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     | 958                                                                                                                                                        |
| Annual power consumption under average climate conditions with manual control    | kWh/a     | 421                                                                                                                                                        |
| Annual power consumption under warmer climate conditions with manual control     | kWh/a     | 376                                                                                                                                                        |
| Annual heating savings under colder climate conditions with manual control       | kWh/a     | 8876                                                                                                                                                       |
| Annual heating savings under average climate conditions with manual control      | kWh/a     | 4537                                                                                                                                                       |
| Annual heating savings under warmer climate conditions with manual control       | kWh/a     | 2052                                                                                                                                                       |