

## PRODUCT FICHE

|                                                  |                                                                                                                                                                         |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier's name                                  | VALLOX OY                                                                                                                                                               |
| Product model name                               | Vallox 51 MV                                                                                                                                                            |
| Cell                                             | Aluminium                                                                                                                                                               |
| SEC cold climate                                 | -79.687 kWh/m <sup>2</sup> a                                                                                                                                            |
| SEC average climate                              | -41.384 kWh/m <sup>2</sup> a                                                                                                                                            |
| SEC warm climate                                 | -16.815 kWh/m <sup>2</sup> a                                                                                                                                            |
| SEC-class cold climate                           | A+                                                                                                                                                                      |
| SEC-class average climate                        | A                                                                                                                                                                       |
| SEC-class warm climate                           | E                                                                                                                                                                       |
| General topology EcoDesign                       | Bidirectional                                                                                                                                                           |
| Motor & drive EcoDesign                          | Variable speed                                                                                                                                                          |
| Type of heat recovery system                     | Recuperative                                                                                                                                                            |
| Temperature efficiency of heat recovery          | 84 %                                                                                                                                                                    |
| Maximum supply airflow EcoDesign                 | 167 m <sup>3</sup> /h                                                                                                                                                   |
| Input power of fans at maximum airflow (W)       | 77 W                                                                                                                                                                    |
| Sound power level                                | 36 dB (L <sub>WA</sub> )                                                                                                                                                |
| Reference airflow rate                           | 0.0320 m <sup>3</sup> /s                                                                                                                                                |
| Reference pressure difference                    | 50 Pa                                                                                                                                                                   |
| Specific power input (SPI)                       | 0.2900                                                                                                                                                                  |
| Ventilation control EcoDesign                    | Local demand control                                                                                                                                                    |
| Specified maximum internal leak of the enclosure | 2.0 %                                                                                                                                                                   |
| Specified maximum external leak of the enclosure | 2.0 %                                                                                                                                                                   |
| Filter replacement                               | "Change filter!" text will appear on the control panel screen. Regular filter replacement is very important for the unit's faultless performance and energy efficiency. |
| Demolition and removal instructions              | <a href="http://www.vallox.com">www.vallox.com</a>                                                                                                                      |
| AEC cold climate                                 | 735.5 kWh/a                                                                                                                                                             |
| AEC average climate                              | 198.5 kWh/a                                                                                                                                                             |
| AEC warm climate                                 | 153.5 kWh/a                                                                                                                                                             |
| AHS cold climate                                 | 8934.4 kWh                                                                                                                                                              |
| AHS average climate                              | 4567.1 kWh                                                                                                                                                              |
| AHS warm climate                                 | 2065.2 kWh                                                                                                                                                              |