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NIBE

ERS S40-400



**51**  
dB



**460 m<sup>3</sup>/h**



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## Technical Product Fiche

|                                                                                                                       |                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Suppliers name                                                                                                        | NIBE                                                                                                            |
| Model identification                                                                                                  | ERS S40-400                                                                                                     |
| Specific energy consumption SEC kWh/(m <sup>2</sup> *a) for: cold, average, warm climates                             | SECcold: -74,8 ; SECaverage : -37,9 ; SECwarm: -14,2                                                            |
| RVU/NRVU/Unidirectional / Bidirectional                                                                               | RVU - Bidirectional                                                                                             |
| Type of drive installed                                                                                               | EC motor with 0-100 % modulation range                                                                          |
| Type of heat recovery (recuperative, regenerative, non)                                                               | Recuperative                                                                                                    |
| Thermal efficiency of heat recovery %                                                                                 | 82                                                                                                              |
| Maximum airflow (m <sup>3</sup> /h)                                                                                   | 460                                                                                                             |
| Electric Power input of fan drive at maximum airflow - W                                                              | 178                                                                                                             |
| Sound Power level (Lwa) at reference airflow Lwa                                                                      | 51                                                                                                              |
| Reference airflow rate (m <sup>3</sup> /s)                                                                            | 0,089                                                                                                           |
| Reference pressure difference (min. 50Pa) – (Pa)                                                                      | 50                                                                                                              |
| Specific power input at reference airflow – SEL/SPI (W/ m <sup>3</sup> /h)                                            | 0,25                                                                                                            |
| Control factor                                                                                                        | 0,85                                                                                                            |
| Declared maximum internal and external leakage rates (%)                                                              | Internal: 3,2% ; External: 0,6%                                                                                 |
| Mixing rate of non ducted bidirectional ventilation units                                                             | Not applicable                                                                                                  |
| Position and description of visual filter warning                                                                     | After a specific time the display will tell that it is time to clean the filters or replace them with new ones. |
| Instructions for installing supply/exhaust grilles i facade for unidirectional devices                                | Not applicable                                                                                                  |
| Internet adress for pre-/disassembly instructions                                                                     | <a href="http://www.nibe.eu">www.nibe.eu</a> (manual)                                                           |
| Sensitivity for pressure variation for units without ducts + and - 20Pa                                               | Not applicable                                                                                                  |
| For non ducted units - the indoor/outdoor air tightness in (m <sup>3</sup> /h)                                        | Not applicable                                                                                                  |
| The annual electricity consumption AEC per 100 m <sup>2</sup> (kWh electricity /a) for climates : Average, Warm, Cold | AECcold=812 ; AECaverage=275 ; AECwarm=230                                                                      |
| The annual heating saved AHS in primary energy (kWh prim/a) per 100 m <sup>2</sup> for climates : Average, Warm, Cold | AHScold=8633; AHSaverage=4413 AHSwarm=1996                                                                      |