

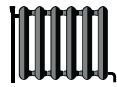


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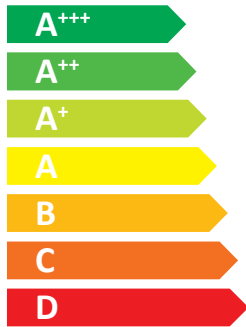
**NIBE**

NIBE S2125-12



55 °C

35 °C



**A+++**

**A+++**



dB



**49** dB

■ 8  
■ **8**  
■ 8  
kW

■ 8  
■ **7**  
■ 7  
kW



2019

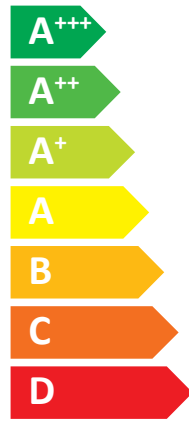
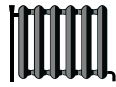
811/2013



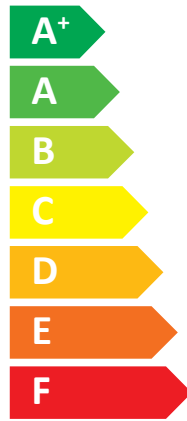
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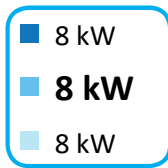
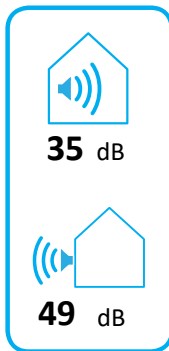
NIBE S2125-12 + VVM 310



**A+++**



**A**



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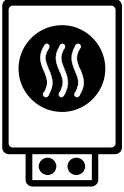




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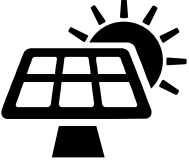
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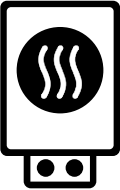
## NIBE S2125-12 + VVM 310














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|   |                         |             |     |
|---|-------------------------|-------------|-----|
| Supplier's name:  | NIBE AB                 |             |     |
| Model:  | NIBE S2125-12 + VVM 310 |             |     |
| Temperature application   | 35                      | 55          | °C  |
| Declared load profile for water heating                           | XL                      |             |     |
| Seasonal space heating energy efficiency class, average climate:  | <b>A+++</b>             | <b>A+++</b> |     |
| Water heating energy efficiency class, average climate:           | <b>A</b>                |             |     |
| Rated heat output, average climate:                               | 6,8                     | 7,6         | kW  |
| Annual energy consumption for space heating, average climate      | 2835                    | 4102        | kWh |
| Annual electricity consumption for water heating, average climate | 1600                    |             | kWh |
| Seasonal space heating energy efficiency, average climate:        | 195                     | 150         | %   |
| Water heating energy efficiency, average climate:                 | 105                     |             | %   |
| Sound power level LWA indoors                                     | 35                      |             | dB  |
| Rated heat output, cold climate:                                  | 8,4                     | 8,4         | kW  |
| Rated heat output, warm climate:                                  | 7,0                     | 7,5         | kW  |
| Annual energy consumption for space heating, cold climate         | 4990                    | 6189        | kWh |
| Annual electricity consumption for water heating, cold climate    | 2067                    |             | kWh |
| Annual energy consumption for space heating, warm climate         | 1494                    | 2194        | kWh |
| Annual electricity consumption for water heating, warm climate    | 1346                    |             | kWh |
| Seasonal space heating energy efficiency, cold climate:           | 163                     | 131         | %   |
| Water heating energy efficiency, cold climate:                    | 81                      |             | %   |
| Seasonal space heating energy efficiency, warm climate:           | 247                     | 180         | %   |
| Water heating energy efficiency, warm climate:                    | 124                     |             | %   |
| Sound power level LWA outdoors                                    | 49                      |             | dB  |

**Data for package fiche with VVM**

|  |             |             |   |
|--|-------------|-------------|---|
| Controller class   | VI          |             |   |
| Controller contribution to efficiency  | 4           |             | % |
| Seasonal space heating energy efficiency of package, average climate:        | 199         | 154         | % |
| Seasonal space heating energy efficiency class for package, average climate: | <b>A+++</b> | <b>A+++</b> | % |
| Seasonal space heating energy efficiency of package, cold climate:           | 167         | 135         | % |
| Seasonal space heating energy efficiency of package, warm climate:           | 251         | 184         | % |

|  |     |   |        |   |  |             |                               |         |                    |    |
|--|-----|---|--------|---|--|-------------|-------------------------------|---------|--------------------|----|
| <b>Model(s):</b>   |     | <b>NIBE S2125-12 + VVM 310</b>  |        |  |  |             |                               |         |                    |    |
| Type of heat source/sink:  |     | Air/water   |        |   |  |             |                               |         |                    |    |
| Low-temperature heat pump:                                       |     | No  |        |   |  |             |                               |         |                    |    |
| Equipped with supplementary heater:                              |     | Yes   |        |   |  |             |                               |         |                    |    |
| Heat pump combination heater:                                    |     | Yes   |        |   |  |             |                               |         |                    |    |
| Climate condition:   |     | Average   |        |   |  |             |                               |         |                    |    |
| Temperature application:   |     | Medium temperature (55 °C)  |        |   |  |             |                               |         |                    |    |
| Applied standards: EN14825 - EN16147 - EN12102-1                 |     |   |        |   |  |             |                               |         |                    |    |
| <b>Rated heat output</b>   |     | Prated  | 7,6    | kW  | <b>Seasonal space heating energy efficiency</b>        |             | $\eta_s$                      | 150     | %                  |    |
| <i>Declared capacity for part load at outdoor temperature Tj</i> |     |   |        | <i>Declared coefficient of performance for part load at outdoor temperature Tj</i>  |  |             |                               |         |                    |    |
| Tj = -7 °C   | Pdh | 6,7   | kW     | Tj = -7 °C  | COPd   | 2,17        |                               |         |                    |    |
| Tj = +2 °C   | Pdh | 4,2   | kW     | Tj = +2 °C  | COPd   | 3,83        |                               |         |                    |    |
| Tj = +7 °C   | Pdh | 2,7   | kW     | Tj = +7 °C  | COPd   | 5,12        |                               |         |                    |    |
| Tj = +12 °C  | Pdh | 2,4   | kW     | Tj = +12 °C   | COPd   | 5,87        |                               |         |                    |    |
| Tj = biv   | Pdh | 7,6   | kW     | Tj = biv  | COPd   | 2,11        |                               |         |                    |    |
| Tj = TOL   | Pdh | 7,6   | kW     | Tj = TOL  | COPd   | 2,11        |                               |         |                    |    |
| Tj = -15 °C (if TOL < -20 °C)                                    | Pdh |   | kW     | Tj = -15 °C (if TOL < -20 °C)   | COPd   |             |                               |         |                    |    |
| Bivalent temperature   |     |   |        | T <sub>biv</sub>  | -10  | °C          | Operation limit temperature   |         |                    |    |
| Cycling interval capacity for heating                            |     |   |        | P <sub>cyc</sub>  |  | kW          | Cycling interval efficiency   |         | COP <sub>cyc</sub> | -  |
| Degradation co-efficient   |     |   |        | C <sub>dh</sub>   | 0,97   | -           | Heating water operating limit |         | WTOL               | 65 |
| <i>Power consumption in modes other than active mode</i>         |     |   |        | <i>Supplementary heater</i>   |  |             |                               |         |                    |    |
| Off mode   |     | P <sub>OFF</sub>  | 0,008  | kW  | Rated heat output                                      |             | P <sub>sup</sub>              | 0,0     | kW                 |    |
| Thermostat-off mode  |     | P <sub>TO</sub>   | 0,013  | kW  |  |             |                               |         |                    |    |
| Standby mode   |     | P <sub>SB</sub>   | 0,011  | kW  | Type of energy input                                   |             | Electric                      |         |                    |    |
| Crankcase heater mode  |     | P <sub>CK</sub>   | 0,0045 | kW  |  |             |                               |         |                    |    |
| <i>Other items</i>   |     |   |        |   |  |             |                               |         |                    |    |
| Capacity control   |     | Variable  |        | Rated air flow rate, outdoors   |  |             |                               |         | m <sup>3</sup> /h  |    |
| Sound power level, indoors/outdoors                              |     | L <sub>WA</sub>   | 35/49  | dB  | Rated water flow rate, indoor heat exchanger           |             |                               |         | m <sup>3</sup> /h  |    |
| Annual energy consumption  |     | Q <sub>HE</sub>   | 4102   | kWh   | Rated brine or water flow rate, outdoor heat exchanger |             |                               | 2900,00 | m <sup>3</sup> /h  |    |
| <i>For heat pump combination heater:</i>                         |     |   |        |   |  |             |                               |         |                    |    |
| <b>Declared load profile</b>                                     |     | <b>XL</b>   |        | <b>Water heating energy efficiency</b>  |  | $\eta_{wh}$ | 105                           | %       |                    |    |
| Daily electricity consumption                                    |     | Q <sub>elec</sub>   | 7,64   | kWh   | Daily fuel consumption                                 |             | Q <sub>fuel</sub>             |         | kWh                |    |
| Annual electricity consumption                                   |     | AEC   | 1600   | kWh   | Annual fuel consumption                                |             | AFC                           |         | GJ                 |    |
| <b>Approved by:</b>  |     |   |        |   |  |             |                               |         |                    |    |
| <b>Contact details</b>   |     | © NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden |        |   |  |             |                               |         |                    |    |