



**ENERG**  
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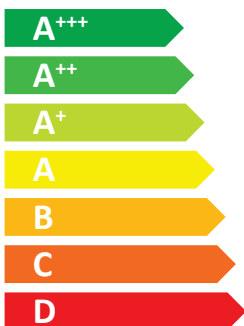
**NIBE**

NIBE S1257-5



55 °C

35 °C



**A+++**

**A+++**



**39** dB



dB

■ 4  
■ 4  
■ 4  
kW

■ 5  
■ 5  
■ 5  
kW



2019

811/2013



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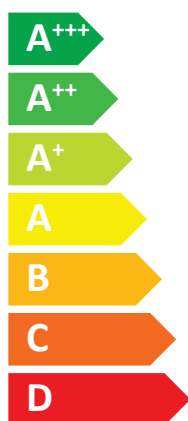


**NIBE**

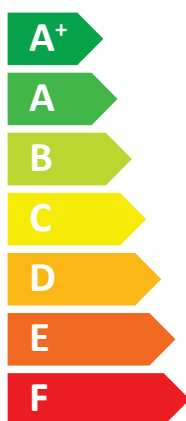
NIBE S1257-5



XL



A+++



A+



39 dB



dB



■ 4  
■ 4  
■ 4

2019

811/2013



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Y

IJA

IE

IA

**NIBE**

NIBE S1257-5



A+++



A+



A+++

A++

A+

A

B

C

D

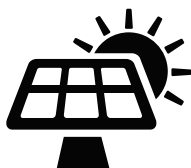
E

F

G

A+++

+



+



+



+



A+++

A++

A+

A

B

C

D

E

F

G

A+

|                                                                   |              |             |     |
|-------------------------------------------------------------------|--------------|-------------|-----|
| Supplier's name:                                                  | NIBE AB      |             |     |
| Model:                                                            | NIBE S1257-5 |             |     |
| 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:                               | 5            | 4           | kW  |
| Annual energy consumption for space heating, average climate      | 1964         | 2296        | kWh |
| Annual electricity consumption for water heating, average climate | 1228         |             | kWh |
| Seasonal space heating energy efficiency, average climate:        | 192          | 150         | %   |
| Water heating energy efficiency, average climate:                 | 136          |             | %   |
| Sound power level LWA indoors                                     | 39           |             | dB  |
| Rated heat output, cold climate:                                  | 5            | 4           | kW  |
| Rated heat output, warm climate:                                  | 5            | 4           | kW  |
| Annual energy consumption for space heating, cold climate         | 2265         | 2661        | kWh |
| Annual electricity consumption for water heating, cold climate    | 1228         |             | kWh |
| Annual energy consumption for space heating, warm climate         | 1282         | 1504        | kWh |
| Annual electricity consumption for water heating, warm climate    | 1228         |             | kWh |
| Seasonal space heating energy efficiency, cold climate:           | 199          | 155         | %   |
| Water heating energy efficiency, cold climate:                    | 136          |             | %   |
| Seasonal space heating energy efficiency, warm climate:           | 190          | 148         | %   |
| Water heating energy efficiency, warm climate:                    | 136          |             | %   |
| Sound power level LWA outdoors                                    |              |             | dB  |

#### Data for package fiche

|                                                                              |             |             |   |
|------------------------------------------------------------------------------|-------------|-------------|---|
| Controller class                                                             | CLASS VI    |             |   |
| Controller contribution to efficiency                                        | 4,0         |             | % |
| Seasonal space heating energy efficiency of package, average climate:        | 196         | 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:           | 203         | 159         | % |
| Seasonal space heating energy efficiency of package, warm climate:           | 194         | 152         | % |

|                                                                  |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
|------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------|----------------------------|-----|------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|-------------------|------|------|
| <b>Model(s):</b>                                                 |  |  |                                                                                    | <b>NIBE S1257-5</b>        |     |                                                                                    |  | <div></div> |                   |      |      |
| Type of heat source/sink:                                        |  |  |                                                                                    | Brine/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: EN 14825:2022, EN 16147:2017, EN 12102-1:2022 |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
| <b>Rated heat output</b>                                         |  |  | Prated                                                                             | 4,4                        | kW  | <b>Seasonal space heating energy efficiency</b>                                    |  |                                                                                                | ηs                | 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                                                                                | 3,8                        | kW  | Tj = -7 °C                                                                         |  |                                                                                                | COPd              | 3,08 |      |
| Tj = +2 °C                                                       |  |  | Pdh                                                                                | 2,3                        | kW  | Tj = +2 °C                                                                         |  |                                                                                                | COPd              | 4,03 |      |
| Tj = +7 °C                                                       |  |  | Pdh                                                                                | 1,5                        | kW  | Tj = +7 °C                                                                         |  |                                                                                                | COPd              | 4,54 |      |
| Tj = +12 °C                                                      |  |  | Pdh                                                                                | 1,6                        | kW  | Tj = +12 °C                                                                        |  |                                                                                                | COPd              | 4,74 |      |
| Tj = biv                                                         |  |  | Pdh                                                                                | 4,3                        | kW  | Tj = biv                                                                           |  |                                                                                                | COPd              | 2,87 |      |
| Tj = TOL                                                         |  |  | Pdh                                                                                | 4,3                        | kW  | Tj = TOL                                                                           |  |                                                                                                | COPd              | 2,87 |      |
| Tj = -15 °C (if TOL < -20 °C)                                    |  |  | Pdh                                                                                |                            | kW  | Tj = -15 °C (if TOL < -20 °C)                                                      |  |                                                                                                | COPd              |      |      |
|                                                                  |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
| Bivalent temperature                                             |  |  | Tbiv                                                                               | -10                        | °C  | Operation limit temperature                                                        |  |                                                                                                | TOL               | -10  | °C   |
| Cycling interval capacity for heating                            |  |  | Pcyh                                                                               |                            | kW  | Cycling interval efficiency                                                        |  |                                                                                                | COPcyc            |      | -    |
| Degradation co-efficient                                         |  |  | Cdh                                                                                | 0,97                       | -   | Heating water operating limit                                                      |  |                                                                                                | WTOL              | 70   | °C   |
| <i>Power consumption in modes other than active mode</i>         |  |  |                                                                                    |                            |     | <i>Supplementary heater</i>                                                        |  |                                                                                                |                   |      |      |
| Off mode                                                         |  |  | P <sub>OFF</sub>                                                                   | 0,003                      | kW  | Rated heat output                                                                  |  |                                                                                                | P <sub>sup</sub>  | 0,0  | kW   |
| Thermostat-off mode                                              |  |  | P <sub>TO</sub>                                                                    | 0,009                      | kW  |                                                                                    |  |                                                                                                |                   |      |      |
| Standby mode                                                     |  |  | P <sub>SB</sub>                                                                    | 0,009                      | kW  | Type of energy input                                                               |  |                                                                                                | Electric          |      |      |
| Crankcase heater mode                                            |  |  | P <sub>CK</sub>                                                                    | 0,004                      | kW  |                                                                                    |  |                                                                                                |                   |      |      |
| <i>Other items</i>                                               |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
| Capacity control                                                 |  |  | Variable                                                                           |                            |     | Rated air flow rate, outdoors                                                      |  |                                                                                                |                   |      | m³/h |
| Sound power level, indoors/outdoors                              |  |  | L <sub>WA</sub>                                                                    | 39/-                       | dB  | Rated water flow rate, indoor heat exchanger                                       |  |                                                                                                |                   |      | m³/h |
| Annual energy consumption                                        |  |  | Q <sub>HE</sub>                                                                    | 2296                       | kWh | Rated brine or water flow rate, outdoor heat exchanger                             |  |                                                                                                |                   | 0,9  | m³/h |
| <i>For heat pump combination heater:</i>                         |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
| <b>Declared load profile</b>                                     |  |  | <b>XL</b>                                                                          |                            |     | <b>Water heating energy efficiency</b>                                             |  |                                                                                                | η <sub>wh</sub>   | 136  | %    |
|                                                                  |  |  |                                                                                    |                            |     |                                                                                    |  |                                                                                                |                   |      |      |
| Daily electricity consumption                                    |  |  | Q <sub>elec</sub>                                                                  | 5,594                      | kWh | Daily fuel consumption                                                             |  |                                                                                                | Q <sub>fuel</sub> |      | kWh  |
| Annual electricity consumption                                   |  |  | AEC                                                                                | 1228                       | kWh | Annual fuel consumption                                                            |  |                                                                                                | AFC               |      | GJ   |
| <b>Contact details</b>                                           |  |  | <b>© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden</b> |                            |     |                                                                                    |  |                                                                                                |                   |      |      |

|                                                                  |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
|------------------------------------------------------------------|--|--|-----------------------------------------------------------------------------|-------------------------|-----|-----------------------------------------------------------------------------|--|-----------------|-------------------|------|------|
| Model(s):                                                        |  |  |                                                                             | NIBE S1257-5            |     |                                                                             |  | <div>NIBE</div> |                   |      |      |
| Type of heat source/sink:                                        |  |  |                                                                             | Brine/water             |     |                                                                             |  |                 |                   |      |      |
| Low-temperature heat pump:                                       |  |  |                                                                             | No                      |     |                                                                             |  |                 |                   |      |      |
| Equipped with supplementary heater:                              |  |  |                                                                             | Yes                     |     |                                                                             |  |                 |                   |      |      |
| Heat pump combination heater:                                    |  |  |                                                                             | Yes                     |     |                                                                             |  |                 |                   |      |      |
| Climate condition:                                               |  |  |                                                                             | Average                 |     |                                                                             |  |                 |                   |      |      |
| Temperature application:                                         |  |  |                                                                             | Low temperature (35 °C) |     |                                                                             |  |                 |                   |      |      |
| Applied standards: EN 14825:2022, EN 16147:2017, EN 12102-1:2022 |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
| Rated heat output                                                |  |  | Prated                                                                      | 4,8                     | kW  | Seasonal space heating energy efficiency                                    |  |                 | ηs                | 192  | %    |
| Declared capacity for part load at outdoor temperature Tj        |  |  |                                                                             |                         |     | Declared coefficient of performance for part load at outdoor temperature Tj |  |                 |                   |      |      |
| Tj = -7 °C                                                       |  |  | Pdh                                                                         | 4,3                     | kW  | Tj = -7 °C                                                                  |  |                 | COPd              | 4,25 |      |
| Tj = +2 °C                                                       |  |  | Pdh                                                                         | 2,6                     | kW  | Tj = +2 °C                                                                  |  |                 | COPd              | 5,09 |      |
| Tj = +7 °C                                                       |  |  | Pdh                                                                         | 1,6                     | kW  | Tj = +7 °C                                                                  |  |                 | COPd              | 5,56 |      |
| Tj = +12 °C                                                      |  |  | Pdh                                                                         | 1,6                     | kW  | Tj = +12 °C                                                                 |  |                 | COPd              | 5,58 |      |
| Tj = biv                                                         |  |  | Pdh                                                                         | 4,9                     | kW  | Tj = biv                                                                    |  |                 | COPd              | 3,95 |      |
| Tj = TOL                                                         |  |  | Pdh                                                                         | 4,9                     | kW  | Tj = TOL                                                                    |  |                 | COPd              | 3,95 |      |
| Tj = -15 °C (if TOL < -20 °C)                                    |  |  | Pdh                                                                         |                         | kW  | Tj = -15 °C (if TOL < -20 °C)                                               |  |                 | COPd              |      |      |
|                                                                  |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
| Bivalent temperature                                             |  |  | Tbiv                                                                        | -10                     | °C  | Operation limit temperature                                                 |  |                 | TOL               | -10  | °C   |
| Cycling interval capacity for heating                            |  |  | Pcyc                                                                        |                         | kW  | Cycling interval efficiency                                                 |  |                 | COPcyc            |      | -    |
| Degradation co-efficient                                         |  |  | Cdh                                                                         | 0,97                    | -   | Heating water operating limit                                               |  |                 | WTOL              | 70   | °C   |
| Power consumption in modes other than active mode                |  |  |                                                                             |                         |     | Supplementary heater                                                        |  |                 |                   |      |      |
| Off mode                                                         |  |  | P <sub>OFF</sub>                                                            | 0,003                   | kW  | Rated heat output                                                           |  |                 | P <sub>sup</sub>  | 0,0  | kW   |
| Thermostat-off mode                                              |  |  | P <sub>TO</sub>                                                             | 0,009                   | kW  |                                                                             |  |                 |                   |      |      |
| Standby mode                                                     |  |  | P <sub>SB</sub>                                                             | 0,009                   | kW  | Type of energy input                                                        |  |                 | Electric          |      |      |
| Crankcase heater mode                                            |  |  | P <sub>CK</sub>                                                             | 0,004                   | kW  |                                                                             |  |                 |                   |      |      |
| Other items                                                      |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
| Capacity control                                                 |  |  | Variable                                                                    |                         |     | Rated air flow rate, outdoors                                               |  |                 |                   |      | m³/h |
| Sound power level, indoors/outdoors                              |  |  | L <sub>WA</sub>                                                             |                         | dB  | Rated water flow rate, indoor heat exchanger                                |  |                 |                   |      | m³/h |
| Annual energy consumption                                        |  |  | Q <sub>HE</sub>                                                             | 1964                    | kWh | Rated brine or water flow rate, outdoor heat exchanger                      |  |                 |                   | 1,1  | m³/h |
| For heat pump combination heater:                                |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
| Declared load profile                                            |  |  | XL                                                                          |                         |     | Water heating energy efficiency                                             |  |                 | η <sub>wh</sub>   | 136  | %    |
|                                                                  |  |  |                                                                             |                         |     |                                                                             |  |                 |                   |      |      |
| Daily electricity consumption                                    |  |  | Q <sub>elec</sub>                                                           | 5,594                   | kWh | Daily fuel consumption                                                      |  |                 | Q <sub>fuel</sub> |      | kWh  |
| Annual electricity consumption                                   |  |  | AEC                                                                         | 1228                    | kWh | Annual fuel consumption                                                     |  |                 | AFC               |      | GJ   |
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