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NIBE NIBE S1157-9

| | 55 °C | 35 °C |
|---|---|---|
| | A+++ | A+++ |

A+++
A++
A+
A
B
C
D

40 dB

dB

| | | |
|---|---|---|
| 8 | **8** | 8 |
| 9 | **9** | 9 |
| kW | | kW |

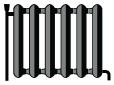


2019 811/2013

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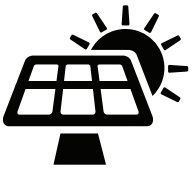
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# NIBE S1157-9



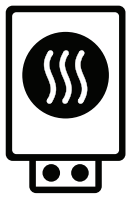


A+++









A+++

A++

A+

A

B

C

D

E

F

G

2015

811/2013

| | | | |
|---|---|---|---|
| Supplier's name: | NIBE AB | | |
| Model: | NIBE S1157-9 | | |
| Temperature application | 35 | 55 | °C |
| Declared load profile for water heating | | | |
| Seasonal space heating energy efficiency class, average climate: | **A+++** | **A+++** | |
| Water heating energy efficiency class, average climate: | | | |
| Rated heat output, average climate: | 9 | 8 | kW |
| Annual energy consumption for space heating, average climate | 3475 | 4104 | kWh |
| Annual electricity consumption for water heating, average climate | | | kWh |
| Seasonal space heating energy efficiency, average climate: | 206 | 157 | % |
| Water heating energy efficiency, average climate: | | | % |
| Sound power level LWA indoors | 40 | | dB |
| Rated heat output, cold climate: | 9 | 8 | kW |
| Rated heat output, warm climate: | 9 | 8 | kW |
| Annual energy consumption for space heating, cold climate | 3991 | 4802 | kWh |
| Annual electricity consumption for water heating, cold climate | | | kWh |
| Annual energy consumption for space heating, warm climate | 2217 | 2712 | kWh |
| Annual electricity consumption for water heating, warm climate | | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 214 | 160 | % |
| Water heating energy efficiency, cold climate: | | | % |
| Seasonal space heating energy efficiency, warm climate: | 209 | 154 | % |
| Water heating energy efficiency, warm climate: | | | % |
| Sound power level LWA outdoors | | | dB |

**Data for package fiche**

| | | | |
|---|---|---|---|
| Controller class | CLASS VI | | |
| Controler contribution to efficiency | 4,0 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 210 | 161 | % |
| Seasonal space heating energy efficiency class for package, average climate: | **A+++** | **A+++** | % |
| Seasonal space heating energy efficiency of package, cold climate: | 218 | 164 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 213 | 158 | % |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Model(s):** | | **NIBE S1157-9** | | | | | | |
| Type of heat source/sink: | | Brine/water | | | | | | |
| Low-temperature heat pump: | | No | | | | | | |
| Equipped with supplementary heater: | | Yes | | | | | | |
| Heat pump combination heater: | | No | | | | | | |
| Climate condition: | | Average | | | | | | |
| Temperature application: | | Low temperature (35 °C) | | | | | | |
| Applied standards: EN 14825:2022, EN 12102-1:2022 | | | | | | | | |
| **Rated heat output** | Prated | 9,0 | kW | | **Seasonal space heating energy efficiency** | $\eta_s$ | 206 | % |
| *Declared capacity for part load at outdoor temperature Tj* | | | | | *Declared coefficient of performance for part load at outdoor temperature Tj* | | | |
| Tj = -7 °C | Pdh | 8,2 | kW | | Tj = -7 °C | COPd | 4,68 | |
| Tj = +2 °C | Pdh | 4,6 | kW | | Tj = +2 °C | COPd | 5,40 | |
| Tj = +7 °C | Pdh | 3,0 | kW | | Tj = +7 °C | COPd | 5,83 | |
| Tj = +12 °C | Pdh | 2,5 | kW | | Tj = +12 °C | COPd | 5,84 | |
| Tj = biv | Pdh | 8,6 | kW | | Tj = biv | COPd | 4,53 | |
| Tj = TOL | Pdh | 8,6 | kW | | Tj = TOL | COPd | 4,53 | |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | | Tj = -15 °C (if TOL < -20 °C) | COPd | | |
| Bivalent temperature | $T_{biv}$ | -10 | °C | | Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcych | | kW | | Cycling interval efficiency | COPcyc | | - |
| Degradation co-efficient | Cdh | 0,94 | - | | temperature | WTOL | 70 | °C |
| *Power consumption in modes other than active mode* | | | | | *Supplementary heater* | | | |
| Off mode | $P_{OFF}$ | 0,006 | kW | | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | $P_{TO}$ | 0,026 | kW | | | | | |
| Standby mode | $P_{SB}$ | 0,011 | kW | | Type of energy input | Electric | | |
| Crankcase heater mode | $P_{CK}$ | 0,000 | kW | | | | | |
| *Other items* | | | | | | | | |
| Capacity control | Variable | | | | Rated air flow rate, outdoors | | | $m^3/h$ |
| Sound power level, indoors/outdoors | $L_{WA}$ | | dB | | Rated water flow rate, indoor heat exchanger | | | $m^3/h$ |
| Annual energy consumption | $Q_{HE}$ | 3475 | kWh | | Rated brine or water flow rate, outdoor heat exchanger | | 1883,0 | $m^3/h$ |
| *For heat pump combination heater:* | | | | | | | | |
| **Declared load profile** | | | | | **Water heating energy efficiency** | $\eta_{wh}$ | | % |
| Daily electricity consumption | $Q_{elec}$ | | kWh | | Daily fuel consumption | $Q_{fuel}$ | | kWh |
| Annual electricity consumption | AEC | | kWh | | Annual fuel consumption | AFC | | GJ |
| **Contact details** | **© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden** | | | | | | | |

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| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Model(s):** | | **NIBE S1157-9** | | | | | | |
| Type of heat source/sink: | | Brine/water | | | | | | |
| Low-temperature heat pump: | | No | | | | | | |
| Equipped with supplementary heater: | | Yes | | | | | | |
| Heat pump combination heater: | | No | | | | | | |
| Climate condition: | | Average | | | | | | |
| Temperature application: | | Medium temperature (55 °C) | | | | | | |
| Applied standards: EN 14825:2022, EN 12102-1:2022 | | | | | | | | |
| **Rated heat output** | Prated | 8,2 | kW | | **Seasonal space heating energy efficiency** | $\eta_s$ | 157 | % |
| *Declared capacity for part load at outdoor temperature Tj* | | | | | *Declared coefficient of performance for part load at outdoor temperature Tj* | | | |
| Tj = -7 °C | Pdh | 7,5 | kW | | Tj = -7 °C | COPd | 3,31 | |
| Tj = +2 °C | Pdh | 4,5 | kW | | Tj = +2 °C | COPd | 4,17 | |
| Tj = +7 °C | Pdh | 2,9 | kW | | Tj = +7 °C | COPd | 4,64 | |
| Tj = +12 °C | Pdh | 2,5 | kW | | Tj = +12 °C | COPd | 4,85 | |
| Tj = biv | Pdh | 8,1 | kW | | Tj = biv | COPd | 3,09 | |
| Tj = TOL | Pdh | 8,1 | kW | | Tj = TOL | COPd | 3,09 | |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | | Tj = -15 °C (if TOL < -20 °C) | COPd | | |
| Bivalent temperature | $T_{biv}$ | -10 | °C | | Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcych | | kW | | Cycling interval efficiency | COPcyc | | - |
| Degradation co-efficient | Cdh | 0,95 | - | | temperature | WTOL | 70 | °C |
| *Power consumption in modes other than active mode* | | | | | *Supplementary heater* | | | |
| Off mode | $P_{OFF}$ | 0,006 | kW | | Rated heat output | Psup | 0,0 | kW |
| Thermostat-off mode | $P_{TO}$ | 0,026 | kW | | | | | |
| Standby mode | $P_{SB}$ | 0,011 | kW | | Type of energy input | Electric | | |
| Crankcase heater mode | $P_{CK}$ | 0,000 | kW | | | | | |
| *Other items* | | | | | | | | |
| Capacity control | Variable | | | | Rated air flow rate, outdoors | | | $m^3/h$ |
| Sound power level, indoors/outdoors | $L_{WA}$ | 40/- | dB | | Rated water flow rate, indoor heat exchanger | | | $m^3/h$ |
| Annual energy consumption | $Q_{HE}$ | 4104 | kWh | | Rated brine or water flow rate, outdoor heat exchanger | | 1565,0 | $m^3/h$ |
| *For heat pump combination heater:* | | | | | | | | |
| **Declared load profile** | | | | | **Water heating energy efficiency** | $\eta_{wh}$ | | % |
| Daily electricity consumption | $Q_{elec}$ | | kWh | | Daily fuel consumption | $Q_{fuel}$ | | kWh |
| Annual electricity consumption | AEC | | kWh | | Annual fuel consumption | AFC | | GJ |
| **Contact details** | **© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden** | | | | | | | |

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