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NIBE F2030-9

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

A++
A+
A
B
C
D
E
F
G

dB

58 dB

| | | |
|---|---|---|
| | 8 | 8 |
| | 9 | 8 |
| | 11 | 11 |
| | kW | kW |

2015 811/2013

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NIBE F2030-9 + VVM310

55°C

A++
A+
A
B
C
D
E
F
G

A++

XL

A
B
C
D
E
F
G

A

35 dB

58 dB

8 kW
**9 kW**
11 kW

2015

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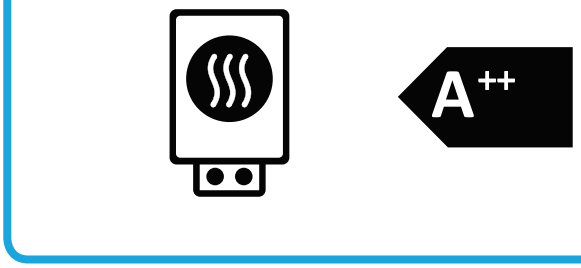
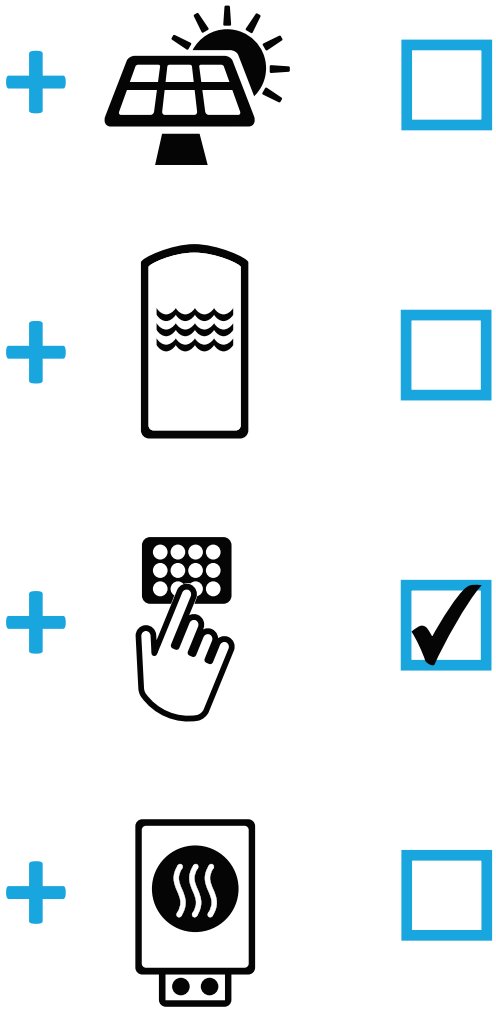
# NIBE F2030-9

35 °C

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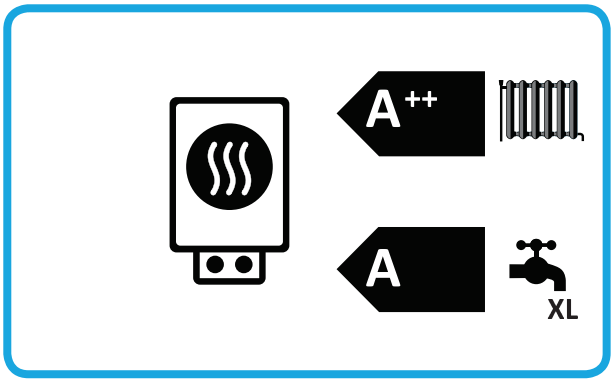
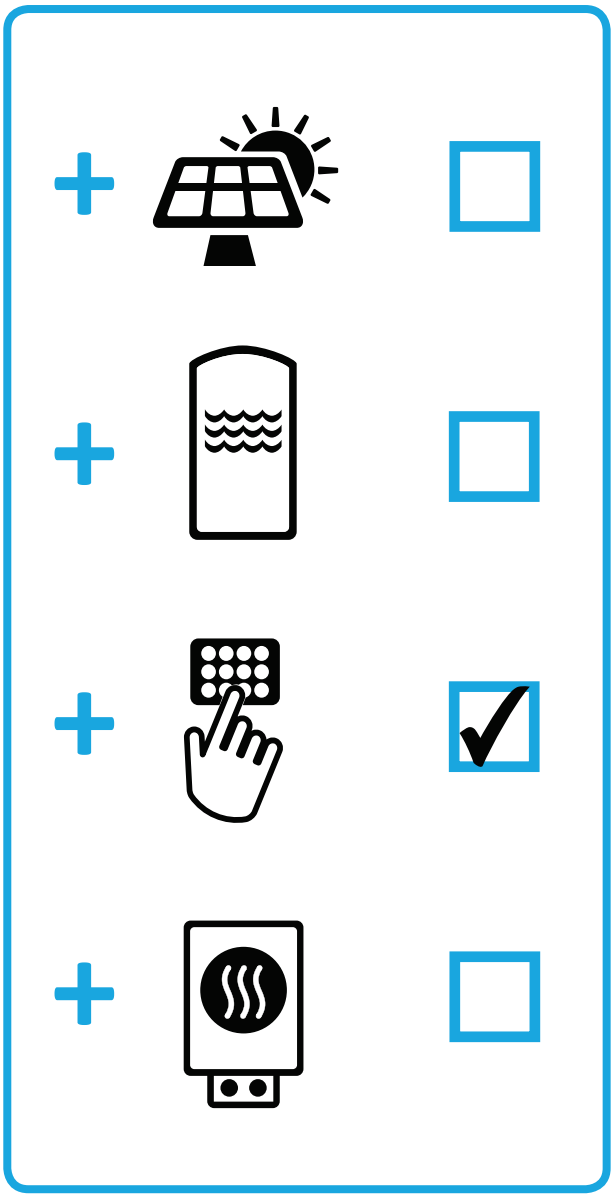
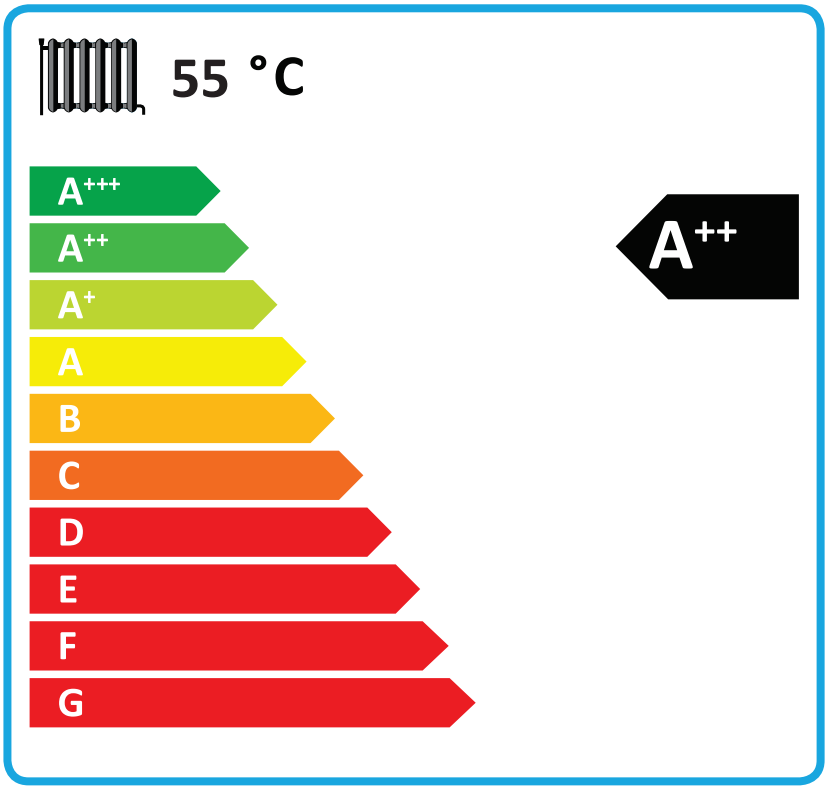
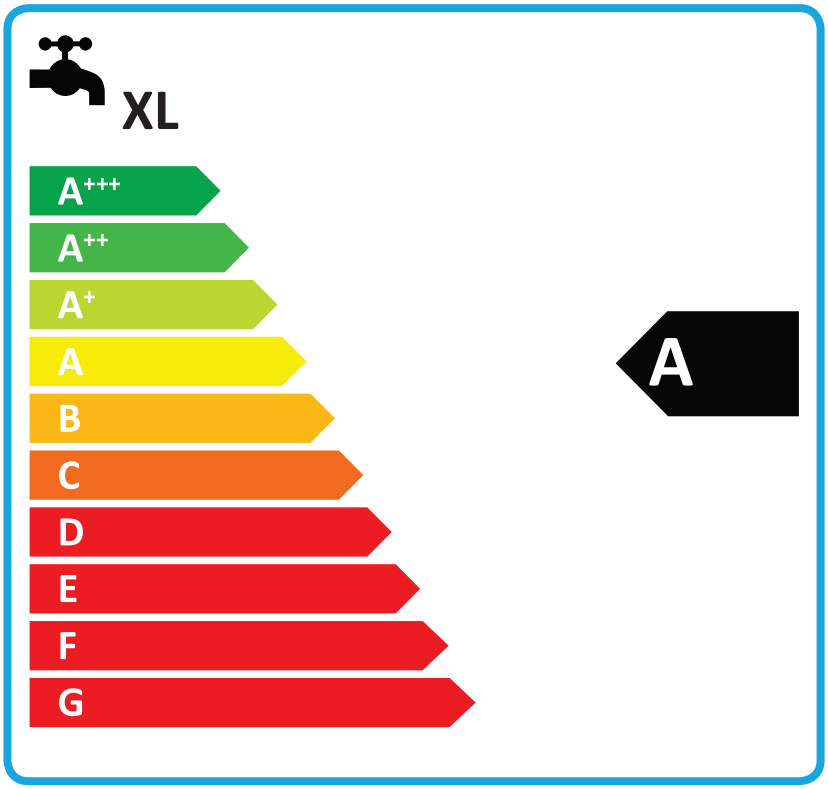
# NIBE F2030-9 + VVM310



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| Supplier's name: | **NIBE** | | |
|---|---|---|---|
| Model: | **NIBE F2030-9+ VVM 310** | | |
| Temperature application | **35** | **55** | °C |
| Declared load profile for water heating | **XL** | | |
| Seasonal space heating energy efficiency class, average climate: | **A++** | **A++** | |
| Water heating energy efficiency class, average climate: | **A** | | |
| Rated heat output, average climate: | 8,3 | 8,9 | kW |
| Annual energy consumption for space heating, average climate | 4431 | 5508 | kWh |
| Annual electricity consumption for water heating, average climate | 1662 | | kWh |
| Seasonal space heating energy efficiency, average climate: | 152 | 131 | % |
| Water heating energy efficiency, average climate: | 101 | | % |
| Sound power level LWA indoors | 35 | | dB |
| Rated heat output, cold climate: | 8,0 | 8,2 | kW |
| Rated heat output, warm climate: | 11 | 11,4 | kW |
| Annual energy consumption for space heating, cold climate | 5458 | 6555 | kWh |
| Annual electricity consumption for water heating, cold climate | 1902 | | kWh |
| Annual energy consumption for space heating, warm climate | 3317 | 3920 | kWh |
| Annual electricity consumption for water heating, warm climate | 1577 | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 142 | 120 | % |
| Water heating energy efficiency, cold climate: | 88 | | % |
| Seasonal space heating energy efficiency, warm climate: | 174 | 152 | % |
| Water heating energy efficiency, warm climate: | 106 | | % |
| Sound power level LWA outdoors | 58 | | dB |

**Data for package fiche**

| Controller class | VII | | |
|---|---|---|---|
| Controler contribution to efficiency | 3,5 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 155 | 134 | % |
| Seasonal space heating energy efficiency class for package, average climate: | **A++** | **A++** | % |
| Seasonal space heating energy efficiency of package, cold climate: | 145 | 124 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 178 | 156 | % |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Model(s):** | | **NIBE F2030-9+ VVM 310** | | | | | | |
| Type of heat source/sink: | | Air-to-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 and EN16147 | | | | | | | | |
| **Rated heat output** | Prated | 8,9 | kW | | **Seasonal space heating energy efficiency** | $\eta_s$ | 131 | % |
| *Declared capacity for part load at outdoor temperature Tj* | | | | | *Declared coefficient of performance for part load at outdoor temperature Tj* | | | |
| Tj = -7 °C | Pdh | 7,0 | kW | | Tj = -7 °C | COPd | 2,6 | - |
| Tj = +2 °C | Pdh | 7,9 | kW | | Tj = +2 °C | COPd | 3,35 | - |
| Tj = +7 °C | Pdh | 8,4 | kW | | Tj = +7 °C | COPd | 4,18 | - |
| Tj = +12 °C | Pdh | 10,8 | kW | | Tj = +12 °C | COPd | 4,57 | - |
| Tj = biv | Pdh | 7,2 | kW | | Tj = biv | COPd | 2,74 | - |
| Tj = TOL | Pdh | 6,6 | kW | | Tj = TOL | COPd | 2,36 | - |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | | Tj = -15 °C (if TOL < -20 °C) | COPd | | - |
| | | | | | | | | |
| Bivalent temperature | $T_{biv}$ | -5,1 | °C | | Operation limit temperature | TOL | -10 | °C |
| Cycling interval capacity for heating | Pcych | | kW | | Cycling interval efficiency | COPcyc | | - |
| Degradation co-efficient | Cdh | 0,99 | - | | Heating water operating limit | WTOL | 65 | °C |
| *Power consumption in modes other than active mode* | | | | | *Supplementary heater* | | | |
| Off mode | $P_{OFF}$ | 0,002 | kW | | Rated heat output | Psup | 2,3 | kW |
| Thermostat-off mode | $P_{TO}$ | 0,012 | kW | | | | | |
| Standby mode | $P_{SB}$ | 0,015 | kW | | Type of energy input | Electric | | |
| Crankcase heater mode | $P_{CK}$ | 0,031 | kW | | | | | |
| *Other items* | | | | | | | | |
| Capacity control | fixed | | | | Rated air flow rate, outdoors | | 3000 | $m^3/h$ |
| Sound power level, indoors/outdoors | $L_{WA}$ | 35/58 | dB | | Rated water flow rate, indoor heat exchanger | | 1,11 | $m^3/h$ |
| Annual energy consumption | $Q_{HE}$ | 5508 | kWh | | Rated brine or water flow rate, outdoor heat exchanger | | | $m^3/h$ |
| *For heat pump combination heater:* | | | | | | | | |
| **Declared load profile** | **XL** | | | | **Water heating energy efficiency** | $\eta_{wh}$ | 101 | % |
| | | | | | | | | |
| Daily electricity consumption | $Q_{elec}$ | 7,57 | kWh | | Daily fuel consumption | $Q_{fuel}$ | | kWh |
| Annual electricity consumption | AEC | 1662 | kWh | | Annual fuel consumption | AFC | | GJ |
| **Approved by:** | | | | | | | | |
| **Contact details** | **© NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden** | | | | | | | |