

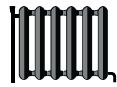


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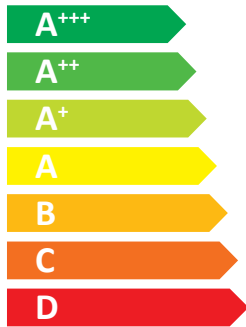
NIBE

NIBE F2050-6



55 °C

35 °C



A++

A+++



dB



53 dB



kW



kW



2019

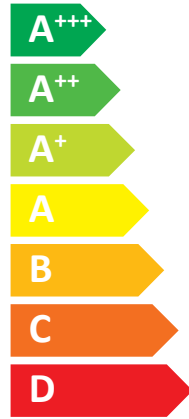
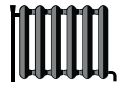
811/2013



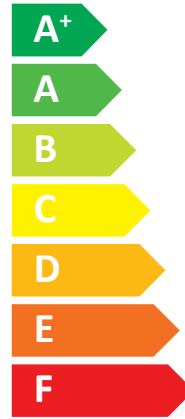
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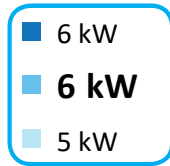
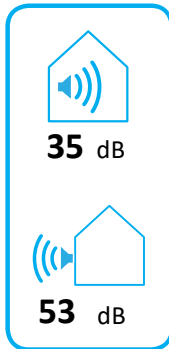
NIBE F2050-6 + VVM 225



A++



A



2019

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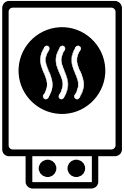




IJA

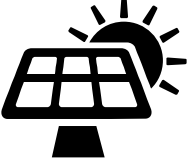
IE


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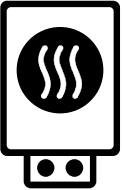
NIBE F2050-6 + VVM 225













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| | | | |
|---|------------------------|------------|-----|
| Supplier's name: | NIBE AB | | |
| Model: | NIBE F2050-6 + VVM 225 | | |
| 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: | 5 | 6 | kW |
| Annual energy consumption for space heating, average climate | 2116 | 3250 | kWh |
| Annual electricity consumption for water heating, average climate | 1557 | | kWh |
| Seasonal space heating energy efficiency, average climate: | 200 | 139 | % |
| Water heating energy efficiency, average climate: | 108 | | % |
| Sound power level LWA indoors | 35 | | dB |
| Rated heat output, cold climate: | 6 | 6 | kW |
| Rated heat output, warm climate: | 6 | 5 | kW |
| Annual energy consumption for space heating, cold climate | 3487 | 4604 | kWh |
| Annual electricity consumption for water heating, cold climate | 2020 | | kWh |
| Annual energy consumption for space heating, warm climate | 1110 | 1617 | kWh |
| Annual electricity consumption for water heating, warm climate | 1335 | | kWh |
| Seasonal space heating energy efficiency, cold climate: | 161 | 119 | % |
| Water heating energy efficiency, cold climate: | 83 | | % |
| Seasonal space heating energy efficiency, warm climate: | 265 | 178 | % |
| Water heating energy efficiency, warm climate: | 125 | | % |
| Sound power level LWA outdoors | 53 | | dB |

Data for package fiche with SMO or VVM

| | | | |
|--|-------------|------------|---|
| Controller class | CLASS_VI | | |
| Controller contribution to efficiency | 4 | | % |
| Seasonal space heating energy efficiency of package, average climate: | 204 | 143 | % |
| Seasonal space heating energy efficiency class for package, average climate: | A+++ | A++ | % |
| Seasonal space heating energy efficiency of package, cold climate: | 165 | 123 | % |
| Seasonal space heating energy efficiency of package, warm climate: | 269 | 182 | % |

| | | | | | | | | | |
|--|-----|---|-------|---|--|-------------|-------------------------------|-------------------|----|
| Model(s): | | NIBE F2050-6 + VVM 225 | |  | | | | | |
| 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 | | | | | | | | | |
| Rated heat output | | Prated | 5,6 | kW | Seasonal space heating energy efficiency | | η_s | 139 | % |
| <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 | 5,0 | kW | Tj = -7 °C | COPd | 1,95 | | | |
| Tj = +2 °C | Pdh | 2,9 | kW | Tj = +2 °C | COPd | 3,51 | | | |
| Tj = +7 °C | Pdh | 1,9 | kW | Tj = +7 °C | COPd | 4,99 | | | |
| Tj = +12 °C | Pdh | 1,7 | kW | Tj = +12 °C | COPd | 6,33 | | | |
| Tj = biv | Pdh | 5,0 | kW | Tj = biv | COPd | 1,95 | | | |
| Tj = TOL | Pdh | 4,6 | kW | Tj = TOL | COPd | 1,75 | | | |
| Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | Tj = -15 °C (if TOL < -20 °C) | COPd | | | | |
| Bivalent temperature | | | | T _{biv} | -7 | °C | Operation limit temperature | | |
| Cycling interval capacity for heating | | | | P _{cyh} | | kW | Cycling interval efficiency | | |
| Degradation co-efficient | | | | Cdh | 0,96 | - | Heating water operating limit | | |
| | | | | | | | WTOL | | |
| | | | | | | | 58 | | |
| | | | | | | | °C | | |
| | | | | | | | - | | |
| | | | | | | | °C | | |
| <i>Power consumption in modes other than active mode</i> | | | | <i>Supplementary heater</i> | | | | | |
| Off mode | | P _{OFF} | 0,007 | kW | Rated heat output | | P _{sup} | 1,0 | kW |
| Thermostat-off mode | | P _{TO} | 0,011 | kW | | | | | |
| Standby mode | | P _{SB} | 0,011 | kW | Type of energy input | | Electric | | |
| Crankcase heater mode | | P _{CK} | 0,000 | kW | | | | | |
| <i>Other items</i> | | | | | | | | | |
| Capacity control | | Variable | | Rated air flow rate, outdoors | | | 2340 | m ³ /h | |
| Sound power level, indoors/outdoors | | L _{WA} | 35/53 | dB | Rated water flow rate, indoor heat exchanger | | | m ³ /h | |
| Annual energy consumption | | Q _{HE} | 3250 | kWh | Rated brine or water flow rate, outdoor heat exchanger | | | m ³ /h | |
| <i>For heat pump combination heater:</i> | | | | | | | | | |
| Declared load profile | | XL | | Water heating energy efficiency | | η_{wh} | 108 | % | |
| Daily electricity consumption | | Q _{elec} | 7,409 | kWh | Daily fuel consumption | | Q _{fuel} | kWh | |
| Annual electricity consumption | | AEC | 1557 | kWh | Annual fuel consumption | | AFC | GJ | |
| Approved by: | | | | | | | | | |
| Contact details | | © NIBE Energy Systems - Box 14 - Hannabadsvägen 5 - 28521 Markaryd - Sweden | | | | | | | |