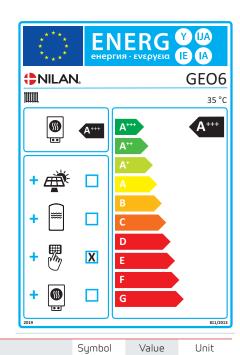
GEO 6

Heating pump system for space heating

| Model | GEO 6 |
|--|--------|
| Air-to-water heat pump | No |
| Water-to-water heat pump | No |
| Brine-to-water heat pump | Yes |
| Low-temperature heat pump | Yes |
| Equipped with a supplementary heater | Yes |
| Heat pump combination heater | No |
| Temperature control: | |
| Model | CTS602 |
| Class | 2 |
| Contribution to seasonal space heating energy efficiency | 2% |

Item



| Item | Symbol | Value | Unit | |
|---|--|-----------|------|--|
| | - 5 | 7 - 1 - 2 | | |
| Rated heat output | Prated | 6,01 | kW | |
| Declared capacity for heating for part load at indoor temperature 20 $^{\circ}\text{C}$ and outdoor temperature of T $_{\rm j}$ | | | | |
| T _j = -7 °C | Pdh | 5,29 | kW | |
| T _j = +2 °C | Pdh | 3,32 | kW | |
| T _j = +7 °C | Pdh | 2,09 | kW | |
| T _j = +12 °C | Pdh | 1,30 | kW | |
| T _j = bivalent temperature | Pdh | 6,01 | kW | |
| T _j = operation limit temperature | Pdh | 0 | kW | |
| For air-water-heating pumps Tj = -15 °C (if TOL < -20 °C) | Pdh | | kW | |
| Bivalent temperature | T _{biv} | -10 | °C | |
| Cycling interval capacity for heating | Pcych | | kW | |
| Degradation co-efficient | Cdh | 0,99 - 1 | | |
| Power consumption in modes other th | an active mo | ode | | |
| Off mode | P _{OFF} | 0,002 | kW | |
| Thermostat off-mode | P _{TO} | 0,024 | kW | |
| Standby mode | P _{SB} | 0,002 | kW | |
| Crankcase heater mode | P _{CK} | 0,000 | kW | |
| Other items | | | | |
| Capacity control: | Variable compressor Variable indoor temperature adjustment | | | |
| | Fixed indoor water flow Fixed outdoor water flow | | | |
| Sound power level, indoors | L _{WA} | 51 | dB | |
| Emissions of nitrogen oxides | Q _{HE} | 2386 | kWh | |

| Seasonal space heating energy efficiency | Ŋ _s | 208 | % | |
|---|----------------|-------|------|--|
| Declared coefficient of performance or primary energy ratio for part load at indoor temperature 20 °C and outdoor temperature T_j | | | | |
| T _j = -7 °C | COPd | 4,48 | | |
| T _j = +2 °C | COPd | 5,22 | | |
| T _j = +7 °C | COPd | 5,69 | | |
| T _j = +12 °C | COPd | 5,30 | | |
| T _j = bivalent temperature | COPd | 4,27 | | |
| T_j = operation limit temperature | COPd | 0 | | |
| For air-to-water heat pumps: Tj = -15 °C (if TOL < -20 °C) | COPd | | | |
| For air-to-water heat pumps: Operation limit temperature | TOL | | °C | |
| Cycling interval efficiency | СОРсус | | | |
| Heating water operating limit temperature | WTOL | 5 | °C | |
| Supplementary heater | | | | |
| Rated heat output | Psup | 2 | kW | |
| | | | | |
| Type of energy input | Electrical | | | |
| | | | | |
| For air-to-water heat pumps: Rated air flow rate, outdoors | | | m³/h | |
| For water-/ brine-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | | 1,041 | m³/h | |
| | | | | |
| | | | | |
| | | | | |

