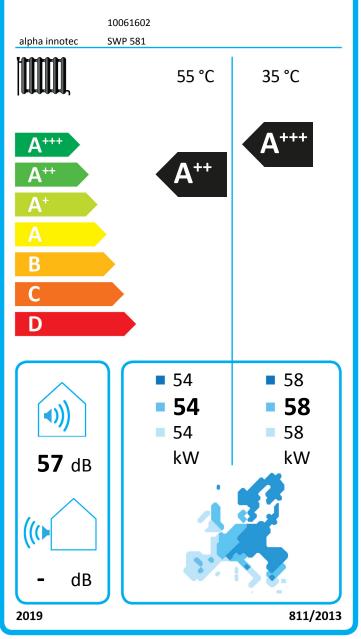
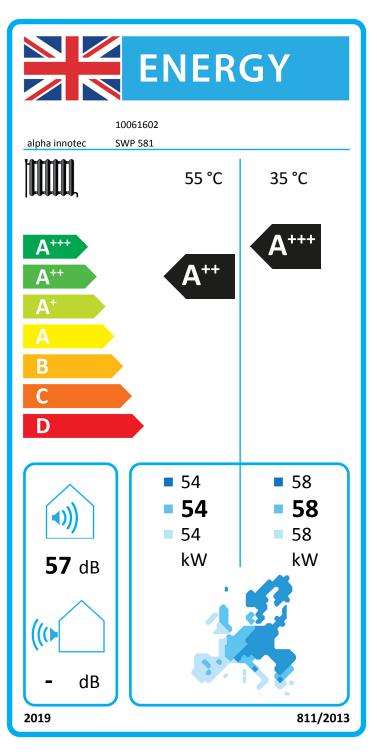


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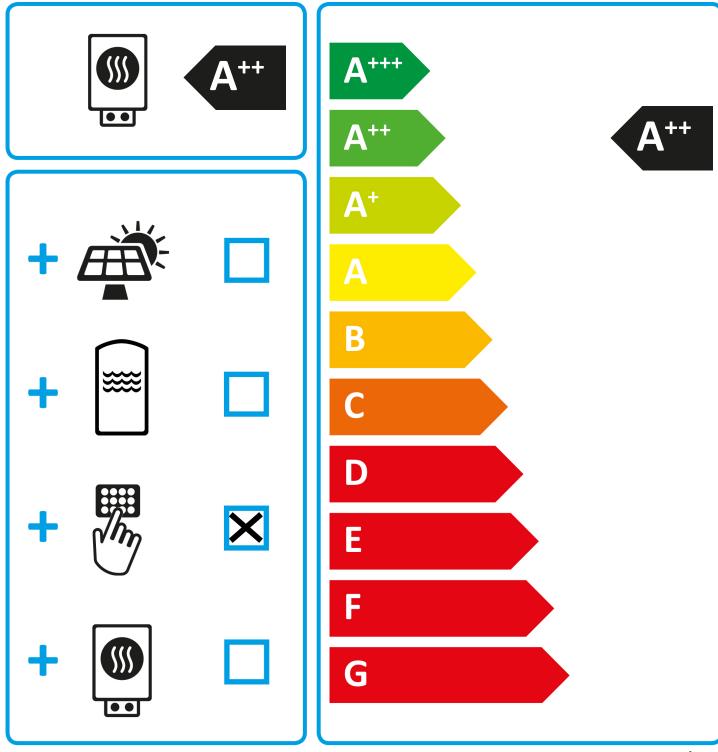


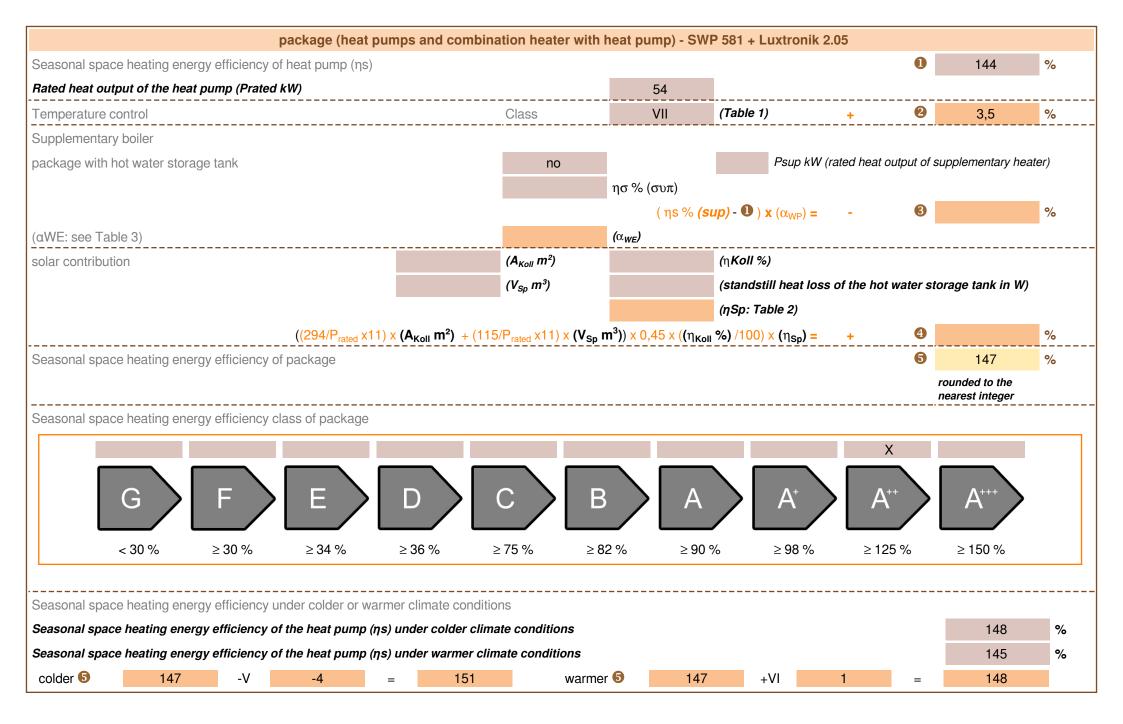


10061602

alpha innotec

SWP 581 + Luxtronik 2.05





| manufacturer: | alpha innotec | alpha innotec | | | | | |
|---|--|------------------------------|--------------------|--|--|--|--|
| model: | SWP 581 | | | | | | |
| | • | | | | | | |
| Information concerning energy efficiency class and ra | ated heat output: | | | | | | |
| | | | | | | | |
| | average / low | average / medium | | | | | |
| energy efficiency class space heater: | A+++ | A++ | - | | | | |
| rated heat output: | 58 | 54 | kW | | | | |
| energy efficiency space heater: | 200 | 144 | % | | | | |
| annual final energy consumption space heater | 22815 | 29505 | kWł | | | | |
| | | | | | | | |
| | | | | | | | |
| sound power level indoors special precautions concerning assembly, installatior All instructional work in this manual may only be carried out regulations. | | 57 | dB | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out | | | I | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out regulations. | | | I | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out regulations. | by qualified specialist perso | nnel in compliance with loca | I | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out regulations. additional information rated heat output colder climate | by qualified specialist person | nnel in compliance with loca | ۱ ۱ | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out regulations. additional information rated heat output colder climate rated heat output warmer climate | by qualified specialist person | medium | ı ıl kW | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out regulations. additional information rated heat output colder climate rated heat output warmer climate energy effiency space heater colder climate | by qualified specialist person | medium 54 54 | al kW kW | | | | |
| special precautions concerning assembly, installation All instructional work in this manual may only be carried out | by qualified specialist person low 58 58 206 | medium 54 54 148 | l kW kW % | | | | |

| technical data of the temperature controller | | | | | | |
|--|----------------|--|--|--|--|--|
| manufacturer: | alpha innotec | | | | | |
| model: | Luxtronik 2.05 | | | | | |
| controller class | VII - | | | | | |
| contribution of the controller to the energy efficiency space heater 3,5 % | | | | | | |

| | | | | 0WD 501 | | | | |
|---|-------------------|--------------|---|--|-----------------|-------------|-------------------|--|
| | | | | SWP 581 | | | | |
| Air-to-water heat pump: (yes/no) | | | | no | | | | |
| Brine-to-water heat pump: (yes/no) | | | | yes | | | | |
| Water-to-water heat pump: (yes/no) | | | | no | | | | |
| Low-temperature heat pump: (yes/no) | | | | no | | | | |
| Equipped with supplementary heater: (yes/no) | | | | yes | | | | |
| combination heater with: (yes/no) | | | | no | | | | |
| application: (low/medium) | | | | medium | | | | |
| climate: (colder/average/warmer) | | | | average | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | |
| Rated heat output | Prated | 54 | kW | Seasonal space heating energy efficiency | ηS | 143,6 | % | |
| Declared coefficient of performance for part load at indoor temperature 20°C and outdoor temperature Tj | | | Declared coefficient of perfor temperature 20°C and outdoor | | | ndoor | | |
| Tj = -7°C | Pdh | 54,6 | kW | Tj = -7°C | COPd | 3,11 | - | |
| Tj = +2°C | Pdh | 55,9 | kW | Tj = +2°C | COPd | 3,72 | - | |
| Tj = +7°C | Pdh | 56,8 | kW | Tj = +7°C | COPd | 4,21 | - | |
| Tj = +12°C | Pdh | 57,6 | kW | Tj = +12°C | COPd | 4,79 | - | |
| Tj = bivalent temperature | Pdh | 54,1 | kW | Tj = bivalent temperature | COPd | 2,96 | - | |
| Tj = operation limit temperature | Pdh | 54,1 | kW | Tj = operation limit temperature | COPd | 2,96 | - | |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | Pdh | - | kW | For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | COPd | - | - | |
| Bivalent temperature | T _{biv} | -10 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °C | |
| Cycling interval capacity for heating | Pcych | - | kW | Cycling interval efficiency | COPcyc | - | - | |
| Degradation co-efficient (**) | Cdh | 1,0 | - | Heating water operating limit temperature | WTOL | 60 | °C | |
| Power consumption in modes | other that | n active mod | e | Supplementary heater | | | | |
| Off mode | P _{OFF} | 0,015 | kW | Rated heat output | Psup | - | kW | |
| Thermostat-off mode | P _{TO} | 0,015 | kW | Type of energy input | | electrical | | |
| Standby mode | P _{SB} | 0,015 | kW | | | | | |
| Crankcase heater mode | Р _{ск} | - | kW | - | | | | |
| Other items | ÖK | | | | | | | |
| Capacity control | fixed | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | - | m³/h | |
| sound power level, indoors/outdoors | L _{WA} | 57 / - | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | 19 | m ³ /h | |
| Emissions of nitrogen oxides | NO _X | - | mg/kWh | • | | | • | |
| For heat pump combination h | eater: | | | | | | | |
| Declared load profile | | - | | Water heating energy efficiency | η_{wh} | - | % | |
| Daily electricity consumption | Q _{elec} | - | kWh | Daily fuel consumption | Qfuel | - | kWh | |
| Contact details | | land GmbH Ir | | 95359 Kasendorf Germany | | | I | |
| (*) For heat pump space heaters | and heat pu | Imp combinat | ion heaters, | the rated heat output Prated is equ equal to the supplementary capac | | | eating | |
| (**) If Cdh is not determined by m | | | - | | ity for noutili | 9 00P(1)/. | | |
| | icasui ei i ieli | | aun uegrada | $\mathbf{U} \cup \mathbf{U} \cup $ | | | | |

| Madal | | | | SWD 591 | | | | |
|---|-------------------|--------------|----------------|---|-------------|------------|-------------------|--|
| Model | | | | SWP 581 | | | | |
| Air-to-water heat pump: (yes/no) | | | | no | | | | |
| Brine-to-water heat pump: (yes/no) | | | | yes | | | | |
| Water-to-water heat pump: (yes/no) | | | | no | | | | |
| Low-temperature heat pump: (yes/no) | | | | no | | | | |
| Equipped with supplementary heater: (yes/no) | | | | yes | | | | |
| combination heater with: (yes/no) | | | | no | | | | |
| application: (low/medium) | | | | low | | | | |
| climate: (colder/average/warmer) | | | | average | | | | |
| Item | Symbol | Value | Unit | Item | Symbol | Value | Unit | |
| Rated heat output | Prated | 58 | kW | Seasonal space heating energy efficiency | ηS | 200,5 | % | |
| Declared coefficient of perfor temperature 20°C and outdoor | | | indoor | Declared coefficient of perfor temperature 20°C and outdoor | | | ndoor | |
| Tj = -7°C | Pdh | 57,6 | kW | Tj = -7°C | COPd | 4,83 | - | |
| Tj = +2°C | Pdh | 58,0 | kW | Tj = +2°C | COPd | 5,15 | - | |
| Tj = +7°C | Pdh | 58,4 | kW | Tj = +7°C | COPd | 5,48 | - | |
| Tj = +12°C | Pdh | 58,7 | kW | Tj = +12°C | COPd | 5,82 | - | |
| Tj = bivalent temperature | Pdh | 57,6 | kW | Tj = bivalent temperature | COPd | 4,77 | - | |
| Tj = operation limit temperature | Pdh | 57,6 | kW | Tj = operation limit temperature | COPd | 4,77 | - | |
| For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | Pdh | - | kW | For air-to-water heat pumps: Tj = -15°C (if TOL < -20°C) | COPd | - | - | |
| Bivalent temperature | T _{biv} | -10 | °C | For air-to-water heat pumps: Operation limit temperature | TOL | -10 | °C | |
| Cycling interval capacity for heating | Pcych | - | kW | Cycling interval efficiency | COPcyc | - | - | |
| Degradation co-efficient (**) | Cdh | 1,0 | - | Heating water operating limit temperature | WTOL | 60 | °C | |
| Power consumption in modes | other that | n active mod | e | Supplementary heater | | | | |
| Off mode | P _{OFF} | 0,015 | kW | Rated heat output | Psup | - | kW | |
| Thermostat-off mode | P _{TO} | 0,015 | kW | Type of energy input | | electrical | | |
| Standby mode | P _{SB} | 0,015 | kW | | | | | |
| Crankcase heater mode | Р _{ск} | - | kW | - | | | | |
| Other items | on | | | | | | | |
| Capacity control | fixed | | | For air-to-water heat pumps: Rated air flow rate, outdoors | - | - | m³/h | |
| sound power level, indoors/outdoors | L _{WA} | 57 / - | dB | For water-/brine-to-water heat pumps: Rated brine or water flow rate, outdoor heat exchanger | - | 19 | m ³ /h | |
| Emissions of nitrogen oxides | NO _X | - | mg/kWh | | | | | |
| For heat pump combination h | eater: | | • | | | | | |
| Declared load profile | | - | | Water heating energy efficiency | η_{wh} | - | % | |
| Daily electricity consumption | Q _{elec} | - | kWh | Daily fuel consumption | Qfuel | - | kWh | |
| Contact details | | land GmbH Ir | ndustriestr. 3 | 95359 Kasendorf Germany | | | | |
| | and heat pu | Imp combinat | ion heaters, | the rated heat output Prated is equ equal to the supplementary capac | | | eating | |
| (**) If Cdh is not determined by m | | | - | | , | U 1' V J/* | | |
| (, | | | Jugiada | | | | | |