

Subtype Sherpa S2 E 4 / 6

| | |
|---------------------|-------------------------|
| Certificate Holder | Olimpia Splendid S.p.A. |
| Address | Via Industriale, 1/3 |
| ZIP | 25060 |
| City | Cellatica (BS) |
| Country | IT |
| Certification Body | ICIM S.p.A. |
| Subtype title | Sherpa S2 E 4 / 6 |
| Registration number | ICIM-PDC-000130-00 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.55 kg |
| Certification Date | 10.12.2021 |
| Testing basis | Heat Pump KEYMARK rev9 |

Model Sherpa S2 E 4

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa S2 E 4 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.77 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.34 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.22 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.15 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 0.96 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 29 W | 29 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3712 kWh |

Model Sherpa S2 E 6

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa S2 E 6 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.76 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.48 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.23 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.36 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.51 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

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|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 29 W | 29 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3711 kWh |

Model Sherpa Aquadue S2 E 4

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa Aquadue S2 E 4 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.77 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.34 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.22 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.15 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 0.96 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

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|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 29 W | 29 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3712 kWh |

Model Sherpa Aquadue S2 E 6

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa Aquadue S2 E 6 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.76 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.48 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.23 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.36 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.51 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 29 W | 29 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3711 kWh |

Model Sherpa Tower S2 E 4

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa Tower S2 E 4 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.77 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.34 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.22 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.15 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 0.96 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 29 W | 29 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3712 kWh |

Model Sherpa Tower S2 E 6

| | |
|-------------------------------------|-----------------------|
| Model name | Sherpa Tower S2 E 6 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.76 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
| COP Tj = -7°C | 2.84 | 2.00 |
| Cdh Tj = -7 °C | 0.900 | 0.900 |
| Pdh Tj = +2°C | 3.48 kW | 3.38 kW |
| COP Tj = +2°C | 4.60 | 3.23 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.36 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.51 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 29 W | 29 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3711 kWh |

Model Sherpa Aquadue Tower S2 E 4

| | |
|-------------------------------------|-----------------------------|
| Model name | Sherpa Aquadue Tower S2 E 4 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 61 dB(A) | 61 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.77 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
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| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 29 W | 29 W |
| PTO | 15 W | 15 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | n/a | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3712 kWh |

Model Sherpa Aquadue Tower S2 E 6

| | |
|-------------------------------------|-----------------------------|
| Model name | Sherpa Aquadue Tower S2 E 6 |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |
| Phase-out Date | 30.10.2025 |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 14511-4 | Heating

| | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level indoor | 41 dB(A) | 41 dB(A) |
| Sound power level outdoor | 62 dB(A) | 62 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 187 % | 131 % |
| Prated | 6.21 kW | 6.00 kW |
| SCOP | 4.76 | 3.34 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.49 kW | 5.31 kW |
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| COP Tj = +2°C | 4.60 | 3.23 |
| Cdh Tj = +2 °C | 0.900 | 0.900 |
| Pdh Tj = +7°C | 2.36 kW | 2.31 kW |
| COP Tj = +7°C | 6.48 | 4.60 |
| Cdh Tj = +7 °C | 0.900 | 0.900 |
| Pdh Tj = 12°C | 1.15 kW | 1.34 kW |
| COP Tj = 12°C | 8.93 | 6.10 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |

| | | |
|---|-------------|-------------|
| Pdh Tj = Tbiv | 5.49 kW | 5.31 kW |
| COP Tj = Tbiv | 2.84 | 2.00 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.47 kW | 4.62 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.54 | 1.62 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.900 | 0.900 |
| WTOL | 60 °C | 60 °C |
| Poff | 15 W | 15 W |
| PTO | 29 W | 29 W |
| PSB | 15 W | 15 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.74 kW | 1.38 kW |
| Annual energy consumption Qhe | 2694 kWh | 3711 kWh |