

This information was generated by the HP KEYMARK database on 18 Mar 2022

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| | | | |
|---------------------|------------------------------------|----------|-------------|
| Summary of | SWCV 62 Inverter | Reg. No. | 041-K001-12 |
| Certificate Holder | | | |
| Name | ait-deutschland GmbH | | |
| Address | Industriestr. 3 | Zip | 95359 |
| City | Kasendorf | Country | Germany |
| Certification Body | BRE Global Limited | | |
| Subtype title | SWCV 62 Inverter | | |
| Heat Pump Type | Brine/Water | | |
| Refrigerant | R407c | | |
| Mass of Refrigerant | 1.16 kg | | |
| Certification Date | 12.05.2017 | | |
| Testing basis | HP Keymark Scheme Transition Rules | | |

Model: SWCV 62(H)(K)3

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | SWCV 62(H)(K)3 |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

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| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
| COP Tj = 12°C | 5.54 | 4.81 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |

Model: SWCV 62H1

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | SWCV 62H1 |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
| COP Tj = 12°C | 5.54 | 4.81 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |

Model: WZSV 62(H)(K)3M

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | WZSV 62(H)(K)3M |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
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| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |

Model: PWZSV 62H3S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | PWZSV 62H3S |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x400V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
| COP Tj = 12°C | 5.54 | 4.81 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |

Model: PWZSV 62H2S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | PWZSV 62H2S |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 3x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|------------------------|---------------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
| COP Tj = 12°C | 5.54 | 4.81 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |

Model: PWZSV 62H1S

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | PWZSV 62H1S |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | No |
| Cooling mode application (optional) | n/a |

| General Data | |
|--------------|-------------|
| Power supply | 1x230V 50Hz |

Heating

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 3.32 kW | 2.95 kW |
| El input | 0.68 kW | 0.94 kW |
| COP | 4.86 | 3.13 |

| EN 14511-4 | |
|--|--------|
| Operating range outdoor exchanger/indoor exchanger lower limit/lower limit | passed |
| Operating range outdoor exchanger/indoor exchanger upper limit/upper limit | passed |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |

Average Climate

EN 12102-1

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 199 % | 150 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.18 | 3.95 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 5.00 kW | 5.00 kW |
| COP Tj = -7°C | 4.37 | 3.06 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 3.10 kW | 3.00 kW |
| COP Tj = +2°C | 5.24 | 3.97 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 2.00 kW | 2.00 kW |
| COP Tj = +7°C | 5.92 | 4.63 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 5.95 | 4.86 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2192 kWh | 2878 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 |
|-----------------|
|-----------------|

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 202 % | 151 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.24 | 3.97 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.40 kW | 5.40 kW |
| COP Tj = +2°C | 4.15 | 2.84 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 3.60 kW | 3.60 kW |
| COP Tj = +7°C | 5.00 | 3.59 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.70 kW | 1.70 kW |
| COP Tj = 12°C | 6.15 | 4.86 |
| Cdh Tj = +12 °C | 1.00 | 1.00 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1402 kWh | 1851 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 44 dB(A) | 44 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 211 % | 157 % |
| Prated | 5.50 kW | 5.50 kW |
| SCOP | 5.46 | 4.12 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 3.40 kW | 3.40 kW |
| COP Tj = -7°C | 5.17 | 3.77 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 2.10 kW | 2.10 kW |
| COP Tj = +2°C | 5.91 | 4.51 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 1.40 kW | 1.40 kW |
| COP Tj = +7°C | 6.36 | 5.12 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |
| Pdh Tj = 12°C | 1.30 kW | 1.20 kW |
| COP Tj = 12°C | 5.54 | 4.81 |
| Cdh Tj = +12 °C | 0.96 | 0.96 |
| Pdh Tj = Tbiv | 5.40 kW | 5.40 kW |
| COP Tj = Tbiv | 4.15 | 2.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.40 kW | 5.40 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 4.15 | 2.84 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 1.00 | 1.00 |
| WTOL | 65 °C | 65 °C |
| Poff | 2 W | 2 W |
| PTO | 7 W | 7 W |
| PSB | 7 W | 7 W |

This information was generated by the HP KEYMARK database on 18 Mar 2022

| | | |
|--|-------------|-------------|
| PCK | 9 W | 9 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 2482 kWh | 3288 kWh |