

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

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| | | | |
|---------------------|---|----------|------------|
| Summary of | WPL 17 I(K)CS classic | Reg. No. | 011-1W0224 |
| Certificate Holder | | | |
| Name | STIEBEL ELTRON GmbH & Co KG | | |
| Address | Dr. Stiebel Straße 33 | Zip | 37603 |
| City | Holzminden | Country | Germany |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | WPL 17 I(K)CS classic | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 2.6 kg | | |
| Certification Date | 04.09.2019 | | |
| Testing basis | HP KEYMARK certification scheme rules rev. no. 5 | | |

Model: WPL 17 IKCS classic

| Configure model | |
|-------------------------------------|---------------------------------|
| Model name | WPL 17 IKCS classic |
| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

| 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 |
| Defrost test | passed |

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.22 kW | 3.75 kW |
| El input | 0.92 kW | 1.49 kW |
| COP | 4.60 | 2.51 |

Average Climate

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EN 14825

| | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| η_s | 161 % | 126 % |
| Prated | 9.20 kW | 7.10 kW |
| SCOP | 4.11 | 3.21 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.93 kW | 6.28 kW |
| COP Tj = -7°C | 2.61 | 2.13 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.16 kW | 4.73 kW |
| COP Tj = +2°C | 4.03 | 3.04 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.20 kW | 4.20 kW |
| COP Tj = +7°C | 5.25 | 4.44 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.39 kW | 3.14 kW |
| COP Tj = 12°C | 8.03 | 6.21 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.93 kW | 6.28 kW |
| COP Tj = Tbiv | 2.61 | 2.13 |

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|---|-------------|-------------|
| $P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 7.29 kW | 2.77 kW |
| $COP T_j = TOL$ or $COP T_j = T_{designh}$ if $TOL < T_{designh}$ | 2.55 | 1.83 |
| $C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$ | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.91 kW | 4.43 kW |
| Annual energy consumption Q_{he} | 4621 kWh | 4564 kWh |

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 44 dB(A) |

Warmer Climate

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 207 % | 142 % |
| Prated | 4.95 kW | 4.30 kW |

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| | | |
|---|---------|---------|
| SCOP | 5.24 | 3.63 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 4.95 kW | 4.34 kW |
| COP Tj = +2°C | 3.70 | 2.21 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.21 kW | 3.96 kW |
| COP Tj = +7°C | 4.90 | 3.21 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.31 kW | 2.98 kW |
| COP Tj = 12°C | 7.35 | 5.30 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 4.95 kW | 4.34 kW |
| COP Tj = Tbiv | 3.70 | 2.21 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 4.95 kW | 4.34 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.70 | 2.21 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |

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| | | |
|--|-------------|-------------|
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Q _{he} | 1262 kWh | 1584 kWh |

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 40 dB(A) | 44 dB(A) |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 48 dB(A) |

| EN 14825 | | |
|------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 126 % | 105 % |
| Prated | 13.20 kW | 12.70 kW |
| SCOP | 3.23 | 2.69 |
| T _{biv} | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |

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| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 7.96 kW | 7.69 kW |
| COP Tj = -7°C | 2.73 | 2.26 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.29 kW | 4.89 kW |
| COP Tj = +2°C | 4.24 | 3.49 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.19 kW | 4.21 kW |
| COP Tj = +7°C | 5.45 | 4.82 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.39 kW | 3.23 kW |
| COP Tj = 12°C | 8.03 | 6.75 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.96 kW | 7.69 kW |
| COP Tj = Tbiv | 2.73 | 2.26 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.13 kW | 5.24 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.27 | 1.00 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |

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| | | |
|---|-------------|-------------|
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 7.38 kW | 6.79 kW |
| Annual energy consumption Q _{he} | 10074 kWh | 11651 kWh |
| P _{dh} T _j = -15°C (if TOL<-20°C) | 6.21 | 6.18 |
| COP T _j = -15°C (if TOL<-20°C) | 2.43 | 1.48 |
| C _{dh} T _j = -15 °C | 0.90 | 0.90 |

Model: WPL 17 ICS classic

| Configure model | |
|-------------------------------------|---------------------------------|
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| Application | Heating (medium temp) |
| Units | Indoor |
| Climate Zone | Colder Climate + Warmer Climate |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

Heating

| 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 |
| Defrost test | passed |

| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 4.27 kW | 3.81 kW |
| El input | 0.90 kW | 1.48 kW |
| COP | 4.74 | 2.58 |

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 | 43 dB(A) | 48 dB(A) |

EN 14825

| | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| η_s | 167 % | 129 % |
| Prated | 9.00 kW | 7.20 kW |
| SCOP | 4.24 | 3.30 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.98 kW | 6.39 kW |
| COP Tj = -7°C | 2.65 | 2.17 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.25 kW | 4.81 kW |
| COP Tj = +2°C | 4.19 | 3.14 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.26 kW | 4.25 kW |
| COP Tj = +7°C | 5.44 | 4.56 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.43 kW | 3.18 kW |

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| | | |
|---|-------------|-------------|
| COP Tj = 12°C | 8.21 | 6.33 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 7.98 kW | 6.39 kW |
| COP Tj = Tbiv | 2.65 | 2.17 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.35 kW | 2.77 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.59 | 1.83 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 1.65 kW | 4.43 kW |
| Annual energy consumption Qhe | 4387 kWh | 4506 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 48 dB(A) |

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

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| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 212 % | 145 % |
| Prated | 5.02 kW | 4.40 kW |
| SCOP | 5.38 | 3.69 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 5.02 kW | 4.42 kW |
| COP Tj = +2°C | 3.83 | 2.27 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.27 kW | 4.02 kW |
| COP Tj = +7°C | 5.06 | 3.30 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.35 kW | 3.01 kW |
| COP Tj = 12°C | 7.50 | 5.35 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 5.02 kW | 4.42 kW |
| COP Tj = Tbiv | 3.83 | 2.27 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.02 kW | 4.42 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.83 | 2.27 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |

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

| | | |
|--|-------------|-------------|
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 1247 kWh | 1592 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 43 dB(A) | 48 dB(A) |

| EN 14825 | | |
|-----------------|------------------------|---------------------------|
| | Low temperature | Medium temperature |
| η_s | 130 % | 112 % |
| Prated | 13.40 kW | 13.00 kW |
| SCOP | 3.33 | 2.86 |
| Tbiv | -7 °C | -7 °C |
| TOL | -20 °C | -20 °C |

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| | | |
|---|---------|---------|
| Pdh Tj = -7°C | 8.13 kW | 7.84 kW |
| COP Tj = -7°C | 2.81 | 2.31 |
| Cdh Tj = -7 °C | 0.90 | 0.90 |
| Pdh Tj = +2°C | 5.39 kW | 4.96 kW |
| COP Tj = +2°C | 4.42 | 3.61 |
| Cdh Tj = +2 °C | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.26 kW | 4.27 kW |
| COP Tj = +7°C | 5.65 | 4.98 |
| Cdh Tj = +7 °C | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.43 kW | 3.26 kW |
| COP Tj = 12°C | 8.21 | 6.88 |
| Cdh Tj = +12 °C | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 8.13 kW | 7.84 kW |
| COP Tj = Tbiv | 2.81 | 2.31 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.24 kW | 5.24 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.33 | 2.33 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 0.90 | 0.90 |
| WTOL | 60 °C | 60 °C |
| Poff | 56 W | 56 W |
| PTO | 21 W | 21 W |
| PSB | 56 W | 56 W |

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

| | | |
|---|-------------|-------------|
| PCK | 26 W | 26 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 7.45 kW | 7.08 kW |
| Annual energy consumption Q _{he} | 9919 kWh | 11197 kWh |
| P _{dh} T _j = -15°C (if TOL<-20°C) | 6.29 | 6.24 |
| COP T _j = -15°C (if TOL<-20°C) | 2.47 | 2.32 |
| C _{dh} T _j = -15 °C | 0.90 | 0.90 |