

| Summary of | WPE-I 12/15 H(K)(W) Premium | Reg. No. | 011-1W0395 |
|----------------------------|---|----------|------------|
| 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 | | |
| Name of testing laboratory | RISE Research Institutes of Sweden AB | | |
| Subtype title | WPE-I 12/15 H(K)(W) Premium | | |
| Heat Pump Type | Brine/Water | | |
| Refrigerant | Other | | |
| Mass Of Refrigerant | 3.1 kg | | |
| Certification Date | 08.09.2020 | | |



Model: WPE-I 12 H(K)(W) Premium

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 4.19 kW | 4.20 kW | |
| El input | 0.84 kW | 1.34 kW | |
| СОР | 5.01 | 3.13 | |
| Indoor water flow rate | 0.74 m³/h | 0.52 m³/h | |

| EN 14511-4 | |
|--|--------|
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

Average Climate



| EN 12102-1 | | |
|------------------------------------|----------|----------|
| Low temperature Medium temperature | | |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 216 % | 169 % |
| Prated | 12.03 kW | 11.99 kW |
| SCOP | 5.59 | 4.42 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.61 kW | 10.59 kW |
| COP Tj = -7°C | 4.81 | 3.55 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 6.45 kW | 6.44 kW |
| COP Tj = +2°C | 5.72 | 4.49 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.14 kW | 4.13 kW |
| COP Tj = +7°C | 6.12 | 4.99 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.30 kW | 2.21 kW |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





| COP Tj = 12°C | 6.29 | 5.25 |
|--|-------------|-------------|
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.03 kW | 11.99 kW |
| COP Tj = Tbiv | 4.53 | 3.29 |
| Pdh Tj = TOL | 12.03 kW | 11.99 kW |
| COP Tj = TOL | 4.53 | 3.29 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 4445 kWh | 5607 kWh |

Warmer Climate

| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |

| EN 1 | 4825 | |
|------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| 11115 11110 | illiation was generated by the Hr Ki | |
|-------------------------|--------------------------------------|----------|
| η_{S} | 214 % | 168 % |
| Prated | 12.03 kW | 11.99 kW |
| SCOP | 5.55 | 4.39 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 12.03 kW | 11.99 kW |
| COP Tj = +2°C | 4.53 | 3.29 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = $+7^{\circ}$ C | 7.71 kW | 7.69 kW |
| $COPTj = +7^{\circ}C$ | 5.51 | 4.12 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 3.41 kW | 3.41 kW |
| COP Tj = 12°C | 6.14 | 5.10 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.03 kW | 11.99 kW |
| COP Tj = Tbiv | 4.53 | 3.29 |
| Pdh Tj = TOL | 12.03 kW | 11.99 kW |
| COP Tj = TOL | 4.53 | 3.29 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





| PSB | 19 W | 19 W |
|--|-------------|-------------|
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 2896 kWh | 3650 kWh |

Colder Climate

| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 224 % | 174 % |
| Prated | 12.03 kW | 11.99 kW |
| SCOP | 5.80 | 4.56 |
| Tbiv | -22 °C | -22 °C |
| TOL | -22 °C | -22 °C |
| Pdh Tj = -7°C | 7.26 kW | 7.24 kW |
| COP Tj = -7°C | 5.69 | 4.31 |
| Cdh | 0.90 | 0.90 |





| | enerated by the Hi KETI | ANN database on 17 Dec 2020 |
|--|-------------------------|-----------------------------|
| Pdh Tj = +2°C | 4.41 kW | 4.40 kW |
| $COP Tj = +2^{\circ}C$ | 6.16 | 4.91 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 2.82 kW | 2.82 kW |
| $COP Tj = +7^{\circ}C$ | 6.19 | 5.16 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.29 kW | 2.23 kW |
| COP Tj = 12°C | 6.12 | 5.40 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 12.03 kW | 11.99 kW |
| COP Tj = Tbiv | 4.53 | 3.29 |
| Pdh Tj = TOL | 12.03 kW | 11.99 kW |
| COP Tj = TOL | 4.53 | 3.29 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5108 kWh | 6485 kWh |
| | | |



Model: WPE-I 15 H(K) (W) 230 Premium

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

Heating

| EN 14511-2 | | | |
|------------------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 5.18 kW | 4.72 kW | |
| El input | 1.07 kW | 1.48 kW | |
| СОР | 4.86 | 3.18 | |
| Indoor water flow rate | 0.90 m³/h | 0.52 m³/h | |

| EN 14511-4 | | |
|--|--------|--|
| Shutting off the heat transfer medium flow | passed | |
| Complete power supply failure | passed | |
| Defrost test | passed | |
| Starting and operating test | passed | |

Average Climate



| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |

| EN 14825 | | |
|---------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 210 % | 168 % |
| Prated | 14.46 kW | 13.77 kW |
| SCOP | 5.44 | 4.39 |
| Tbiv | -10 °C | -10 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.77 kW | 12.16 kW |
| COP Tj = -7°C | 4.46 | 3.40 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +2°C | 7.76 kW | 7.40 kW |
| COP Tj = +2°C | 5.51 | 4.44 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 4.98 kW | 4.75 kW |
| COP Tj = +7°C | 6.13 | 5.03 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.29 kW | 2.22 kW |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



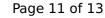


| | <u> </u> | |
|--|-------------|-------------|
| COP Tj = 12°C | 6.18 | 5.31 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 14.46 kW | 13.77 kW |
| COP Tj = Tbiv | 4.30 | 3.26 |
| Pdh Tj = TOL | 14.46 kW | 13.77 kW |
| COP Tj = TOL | 4.30 | 3.26 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 5489 kWh | 6476 kWh |
| | | |

Warmer Climate

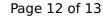
| EN 12102-1 | | |
|--------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |

| EN 14825 | | |
|----------|-----------------|--------------------|
| | Low temperature | Medium temperature |





| η_s | 208 % | 167 % |
|---------------|----------|----------|
| Prated | 14.46 kW | 13.77 kW |
| SCOP | 5.41 | 4.37 |
| Tbiv | 2 °C | 2 °C |
| TOL | 2 °C | 2 °C |
| Pdh Tj = +2°C | 14.46 kW | 13.77 kW |
| COP Tj = +2°C | 4.30 | 3.26 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 9.27 kW | 8.83 kW |
| COP Tj = +7°C | 5.13 | 3.99 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 4.11 kW | 3.92 kW |
| COP Tj = 12°C | 6.17 | 5.16 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 14.46 kW | 13.77 kW |
| COP Tj = Tbiv | 4.30 | 3.26 |
| Pdh Tj = TOL | 14.46 kW | 13.77 kW |
| COP Tj = TOL | 4.30 | 3.26 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |



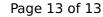


| PSB | 19 W | 19 W |
|--|-------------|-------------|
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 3573 kWh | 4211 kWh |

Colder Climate

| EN 12102-1 | | | | |
|--------------------------|-----------------|--------------------|--|--|
| | Low temperature | Medium temperature | | |
| Sound power level indoor | 39 dB(A) | 39 dB(A) | | |

| EN 14825 | | | |
|---------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| η_{s} | 218 % | 174 % | |
| Prated | 14.46 kW | 13.77 kW | |
| SCOP | 5.66 | 4.56 | |
| Tbiv | -22 °C | -22 °C | |
| TOL | -22 °C | -22 °C | |
| Pdh Tj = -7°C | 8.73 kW | 8.32 kW | |
| COP Tj = -7°C | 5.32 | 4.24 | |
| Cdh | 0.90 | 0.90 | |





| Pdh Tj = $+2$ °C | 5.30 kW | 5.05 kW |
|--|-------------|-------------|
| Full 1j = +2 C | 3.50 KW | 3.03 KW |
| COP Tj = +2°C | 6.15 | 4.94 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = +7°C | 3.40 kW | 3.24 kW |
| $COPTj = +7^{\circ}C$ | 6.27 | 5.24 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = 12°C | 2.29 kW | 2.23 kW |
| COP Tj = 12°C | 6.12 | 5.44 |
| Cdh | 0.90 | 0.90 |
| Pdh Tj = Tbiv | 14.46 kW | 13.77 kW |
| COP Tj = Tbiv | 4.30 | 3.26 |
| Pdh Tj = TOL | 14.46 kW | 13.77 kW |
| COP Tj = TOL | 4.30 | 3.26 |
| WTOL | 75 °C | 75 °C |
| Poff | 19 W | 19 W |
| РТО | 19 W | 19 W |
| PSB | 19 W | 19 W |
| PCK | 0 W | o w |
| Supplementary Heater: Type of energy input | electricity | electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.00 kW |
| Annual energy consumption Qhe | 6298 kWh | 7451 kWh |