This information was generated by the HP KEYMARK database on 21 Jun 2022

Login

| Summary of | Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact (BIV) 14 kW 1ph | Reg. No. | 011-1W0100 |
|---|---|---|---|

| Certificate Holder | | | |
|---|---|---|---|
| Name | DAIKIN Europe N.V. | | |
| Address | Zandvoordestraat 300 | Zip | B-8400 |
| City | Oostende | Country | Belgium |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact (BIV) 14 kW 1ph | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 3.4 kg | | |
| Certification Date | 21.03.2017 | | |



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This information was generated by the HP KEYMARK database on 21 Jun 2022

# Model: ERLQ014C*V3 / EHSX16P50B

| Configure model | |
|---|---|
| Model name | ERLQ014C*V3 / EHSX16P50B |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 14.81 kW | 12.44 kW |
| El input | 3.47 kW | 4.95 kW |
| COP | 4.27 | 2.49 |

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

## Average Climate



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| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 153 % | 130 % |
| Prated | 14.50 kW | 12.00 kW |
| SCOP | 3.90 | 3.32 |
| Tbiv | -5 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.70 kW | 10.90 kW |
| COP Tj = -7°C | 2.63 | 1.92 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 7.71 kW | 6.60 kW |
| COP Tj = +2°C | 4.07 | 3.30 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.05 kW | 4.60 kW |
| COP Tj = +7°C | 5.71 | 4.34 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |



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| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.16 kW | 5.50 kW |
| COP Tj = 12°C | 6.71 | 6.45 |
| Cdh Tj = +12 °C | 0.93 | 0.90 |
| Pdh Tj = Tbiv | 11.60 kW | 10.90 kW |
| COP Tj = Tbiv | 2.83 | 1.92 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 9.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.63 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| PTO | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 7250 kWh | 7654 kWh |

## Domestic Hot Water (DHW)

## Average Climate



Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

| EN 16147 | |
|---|---|
| | |
| Declared load profile | XL |
| Efficiency ηDHW | 83 % |
| COP | 2.11 |
| Heating up time | 1:20 h:min |
| Standby power input | 67.4 W |
| Reference hot water temperature | 45.2 °C |
| Mixed water at 40°C | 237 l |



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# Model: RRLQ014C*V3 / HPSU Compact 516

| Configure model | |
|---|---|
| Model name | RRLQ014C*V3 / HPSU Compact 516 |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 14.81 kW | 12.44 kW |
| El input | 3.47 kW | 4.95 kW |
| COP | 4.27 | 2.49 |

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

## Average Climate



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| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 153 % | 130 % |
| Prated | 14.50 kW | 12.00 kW |
| SCOP | 3.90 | 3.32 |
| Tbiv | -5 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.70 kW | 10.90 kW |
| COP Tj = -7°C | 2.63 | 1.92 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 7.71 kW | 6.60 kW |
| COP Tj = +2°C | 4.07 | 3.30 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.05 kW | 4.60 kW |
| COP Tj = +7°C | 5.71 | 4.34 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |



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| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.16 kW | 5.50 kW |
| COP Tj = 12°C | 6.71 | 6.45 |
| Cdh Tj = +12 °C | 0.93 | 0.90 |
| Pdh Tj = Tbiv | 11.60 kW | 10.90 kW |
| COP Tj = Tbiv | 2.83 | 1.92 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 9.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.63 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| PTO | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 7250 kWh | 7654 kWh |

## Domestic Hot Water (DHW)

## Average Climate



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| EN 16147 | |
|---|---|
| | |
| Declared load profile | XL |
| Efficiency ηDHW | 83 % |
| COP | 2.11 |
| Heating up time | 1:20 h:min |
| Standby power input | 67.4 W |
| Reference hot water temperature | 45.2 °C |
| Mixed water at 40°C | 237 l |



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# Model: ERLQ014C*V3 / EHSXB16P50B

| Configure model | |
|---|---|
| Model name | ERLQ014C*V3 / EHSXB16P50B |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 14.81 kW | 12.44 kW |
| El input | 3.47 kW | 4.95 kW |
| COP | 4.27 | 2.49 |

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

## Average Climate



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| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 153 % | 130 % |
| Prated | 14.50 kW | 12.00 kW |
| SCOP | 3.90 | 3.32 |
| Tbiv | -5 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.70 kW | 10.90 kW |
| COP Tj = -7°C | 2.63 | 1.92 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 7.71 kW | 6.60 kW |
| COP Tj = +2°C | 4.07 | 3.30 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.05 kW | 4.60 kW |
| COP Tj = +7°C | 5.71 | 4.34 |
| Cdh Tj = +7 °C | 1.00 | 1.00 |



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| | | |
|---|---|---|
| Pdh Tj = 12°C | 5.16 kW | 5.50 kW |
| COP Tj = 12°C | 6.71 | 6.45 |
| Cdh Tj = +12 °C | 0.93 | 0.90 |
| Pdh Tj = Tbiv | 11.60 kW | 10.90 kW |
| COP Tj = Tbiv | 2.83 | 1.92 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 9.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.63 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| PTO | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 7250 kWh | 7654 kWh |

## Domestic Hot Water (DHW)

## Average Climate



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| EN 16147 | |
|---|---|
| | |
| Declared load profile | XL |
| Efficiency ηDHW | 84 % |
| COP | 2.14 |
| Heating up time | 1:20 h:min |
| Standby power input | 66.1 W |
| Reference hot water temperature | 45.0 °C |
| Mixed water at 40°C | 211 l |



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# Model: RRLQ014C*V3 / HPSU Compact 516 Biv

| Configure model | |
|---|---|
| Model name | RRLQ014C*V3 / HPSU Compact 516 Biv |
| Application | Heating + DHW + low temp |
| Units | Indoor + Outdoor |
| Climate Zone | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | n/a |

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

## Heating

| EN 14511-2 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Heat output | 14.81 kW | 12.44 kW |
| El input | 3.47 kW | 4.95 kW |
| COP | 4.27 | 2.49 |

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

## Average Climate



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| EN 12102-1 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 64 dB(A) | 64 dB(A) |

| EN 14825 | | |
|---|---|---|
| | **Low temperature** | **Medium temperature** |
| $\eta_s$ | 153 % | 130 % |
| Prated | 14.50 kW | 12.00 kW |
| SCOP | 3.90 | 3.32 |
| Tbiv | -5 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 10.70 kW | 10.90 kW |
| COP Tj = -7°C | 2.63 | 1.92 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
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| COP Tj = +2°C | 4.07 | 3.30 |
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| Cdh Tj = +12 °C | 0.93 | 0.90 |
| Pdh Tj = Tbiv | 11.60 kW | 10.90 kW |
| COP Tj = Tbiv | 2.83 | 1.92 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 12.60 kW | 9.80 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.60 | 1.63 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| PTO | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 7250 kWh | 7654 kWh |

## Domestic Hot Water (DHW)

## Average Climate



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|---|---|
| | |
| Declared load profile | XL |
| Efficiency ηDHW | 84 % |
| COP | 2.14 |
| Heating up time | 1:20 h:min |
| Standby power input | 66.1 W |
| Reference hot water temperature | 45.0 °C |
| Mixed water at 40°C | 211 l |



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