

This information was generated by the HP KEYMARK database on 17 Dec 2020

|                            |  |          |            |
|----------------------------|--|----------|------------|
| Summary of                 | Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact H (BIV) 14 kW 1ph | Reg. No. | 011-1W0091 |
| 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                                      |          |            |
| Name of testing laboratory | CETIAT   |          |            |
| Subtype title              | Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact H (BIV) 14 kW 1ph |          |            |
| Heat Pump Type             | Outdoor Air/Water  |          |            |
| Refrigerant                | R410a  |          |            |
| Mass Of Refrigerant        | 3.4 kg   |          |            |
| Certification Date         | 30.03.2017   |          |            |

**Model: ERLQ014C\*V3 / ESH16P50B****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                   |
| Indoor water flow rate | 2.55 m <sup>3</sup> /h | 1.53 m <sup>3</sup> /h |

**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 %           | 126 %              |
| 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           | 1.00            | 1.00               |
| Pdh Tj = +2°C | 7.71 kW         | 6.60 kW            |
| COP Tj = +2°C | 4.07            | 3.30               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 5.05 kW         | 4.60 kW            |
| COP Tj = +7°C | 5.71            | 4.34               |
| Cdh           | 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  | 0.93       | 0.90       |
| Pdh Tj = Tbiv                              | 11.60 kW   | 10.90 kW   |
| COP Tj = Tbiv                              | 2.83       | 1.92       |
| Pdh Tj = TOL                               | 12.60 kW   | 9.80 kW    |
| COP Tj = TOL                               | 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 | electrical | electrical |
| Supplementary Heater: PSUP                 | 9.00 kW    | 9.00 kW    |
| Annual energy consumption Qhe              | 7250 kWh   | 7654 kWh   |

## Domestic Hot Water (DHW)

### Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 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      |

# Model: RRLQ014C\*V3 / HPSU Compact 516 H

## 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                   |
| Indoor water flow rate | 2.55 m <sup>3</sup> /h | 1.53 m <sup>3</sup> /h |

### EN 14511-4

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

## Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

### 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 %           | 126 %              |
| 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           | 1.00            | 1.00               |
| Pdh Tj = +2°C | 7.71 kW         | 6.60 kW            |
| COP Tj = +2°C | 4.07            | 3.30               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 5.05 kW         | 4.60 kW            |
| COP Tj = +7°C | 5.71            | 4.34               |
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| COP Tj = 12°C                              | 6.71       | 6.45       |
| Cdh  | 0.93       | 0.90       |
| Pdh Tj = Tbiv                              | 11.60 kW   | 10.90 kW   |
| COP Tj = Tbiv                              | 2.83       | 1.92       |
| Pdh Tj = TOL                               | 12.60 kW   | 9.80 kW    |
| COP Tj = TOL                               | 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 | electrical | electrical |
| 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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| Reference hot water temperature | 45.2 °C    |
| Mixed water at 40°C             | 237 l      |

## Model: ERLQ014C\*V3 / ESHB16P50B

### 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                   |
| Indoor water flow rate | 2.55 m <sup>3</sup> /h | 1.53 m <sup>3</sup> /h |

### 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 |
|---------------------------|-----------------|--------------------|
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| 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           | 1.00            | 1.00               |
| Pdh Tj = +2°C | 7.71 kW         | 6.60 kW            |
| COP Tj = +2°C | 4.07            | 3.30               |
| Cdh           | 1.00            | 1.00               |
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| COP Tj = 12°C                              | 6.71       | 6.45       |
| Cdh  | 0.93       | 0.90       |
| Pdh Tj = Tbiv                              | 11.60 kW   | 10.90 kW   |
| COP Tj = Tbiv                              | 2.83       | 1.92       |
| Pdh Tj = TOL                               | 12.60 kW   | 9.80 kW    |
| COP Tj = TOL                               | 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 | electrical | electrical |
| Supplementary Heater: PSUP                 | 9.00 kW    | 9.00 kW    |
| Annual energy consumption Qhe              | 7250 kWh   | 7654 kWh   |

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| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 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      |

# Model: RRLQ014C\*V3 / HPSU Compact 516 H Biv

## 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                   |
| Indoor water flow rate | 2.55 m <sup>3</sup> /h | 1.53 m <sup>3</sup> /h |

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