

## Subtype DAIKIN ALTHERMA 3 M 9KW

|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Certificate Holder  | DAIKIN Europe N.V.                                    |
| Address             | Zandvoordestraat 300                                  |
| ZIP                 | B-8400                                                |
| City                | Oostende                                              |
| Country             | BE                                                    |
| Certification Body  | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title       | DAIKIN ALTHERMA 3 M 9KW                               |
| Registration number | 011-1W0423                                            |
| Heat Pump Type      | Outdoor Air/Water                                     |
| Refrigerant         | R32                                                   |
| Mass of Refrigerant | 3.8 kg                                                |
| Certification Date  | 27.10.2020                                            |
| Testing basis       | HP KEYMARK certification scheme rules rev. 7          |

| Model EBLA09D(3)V3                         |                       |                    |
|--------------------------------------------|-----------------------|--------------------|
| Model name                                 | EBLA09D(3)V3          |                    |
| Application                                | Heating (medium temp) |                    |
| Units                                      | Outdoor               |                    |
| Climate zone (for heating)                 | Warmer Climate        |                    |
| Reversibility                              | Yes                   |                    |
| Cooling mode application (optional)        | +7°C/12°C             |                    |
| Any additional heat sources                | n/a                   |                    |
| General data                               |                       |                    |
| Power supply                               | 1x230V 50Hz           |                    |
| Off-peak product                           | n/a                   |                    |
| Outdoor Air/Water                          |                       |                    |
| EN 14511-4   Heating                       |                       |                    |
| Shutting off the heat transfer medium flow | passed                |                    |
| Complete power supply failure              | passed                |                    |
| Defrost test                               | passed                |                    |
| Starting and operating test                | passed                |                    |
| EN 14511-2   Heating                       |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Heat output                                | 9.37 kW               | 9.57 kW            |
| El input                                   | 1.91 kW               | 3.29 kW            |
| COP                                        | 4.91                  | 2.91               |
| EN 14511-2   Cooling                       |                       |                    |
|                                            | +7°C/+12°C            | +18°C/+23°C        |
| El input                                   | 2.79 kW               |                    |
| Cooling capacity                           | 9.35                  |                    |
| EER                                        | 3.35                  |                    |
| EN 12102-1   Average Climate               |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Sound power level outdoor                  | 62 dB(A)              | 62 dB(A)           |
| EN 14825   Average Climate                 |                       |                    |
|                                            | Low temperature       | Medium temperature |
| ηs                                         | 190 %                 | 135 %              |
| Prated                                     | 9.00 kW               | 9.00 kW            |
| SCOP                                       | 4.82                  | 3.44               |
| Tbiv                                       | -9 °C                 | -8 °C              |
| TOL                                        | -10 °C                | -10 °C             |
| Pdh Tj = -7°C                              | 8.50 kW               | 8.50 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = -7°C                                       | 3.07        | 2.09        |
| Cdh Tj = -7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +2°C                                       | 5.50 kW     | 5.00 kW     |
| COP Tj = +2°C                                       | 4.52        | 3.28        |
| Cdh Tj = +2 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +7°C                                       | 4.70 kW     | 4.40 kW     |
| COP Tj = +7°C                                       | 6.78        | 4.80        |
| Cdh Tj = +7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = 12°C                                       | 5.50 kW     | 5.30 kW     |
| COP Tj = 12°C                                       | 8.75        | 6.45        |
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 8.70 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 2.75        | 1.92        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW     | 6.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.70        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 2.20 kW     |
| Annual energy consumption Qhe                       | 3854 kWh    | 5404 kWh    |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

#### EN 14825 | Warmer Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| $\eta_s$       | 243 %           | 162 %              |
| Prated         | 9.00 kW         | 9.00 kW            |
| SCOP           | 6.20            | 4.26               |
| Tbiv           | 2 °C            | 2 °C               |
| TOL            | 2 °C            | 2 °C               |
| Pdh Tj = +2°C  | 9.00 kW         | 9.00 kW            |
| COP Tj = +2°C  | 3.36            | 2.12               |
| Cdh Tj = +2 °C | 1.00            | 1.00               |
| Pdh Tj = +7°C  | 5.90 kW         | 6.20 kW            |
| COP Tj = +7°C  | 5.59            | 3.65               |
| Cdh Tj = +7 °C | 1.00            | 1.00               |
| Pdh Tj = 12°C  | 5.20 kW         | 5.00 kW            |
| COP Tj = 12°C  | 7.87            | 5.68               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 9.00 kW     | 9.00 kW     |
| COP Tj = Tbiv                                       | 3.36        | 2.12        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 9.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.36        | 2.12        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 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                       | 1938 kWh    | 2820 kWh    |

#### EN 14825 | Cooling

|                               | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc                      | 9.30 kW    |             |
| SEER                          | 5.62       |             |
| Pdc Tj = 35°C                 | 9.40 kW    |             |
| EER Tj = 35°C                 | 3.35       |             |
| Pdc Tj = 30°C                 | 7.00 kW    |             |
| EER Tj = 30°C                 | 4.69       |             |
| Cdc Tj = 30 °C                | 1.0        |             |
| Pdc Tj = 25°C                 | 4.90 kW    |             |
| EER Tj = 25°C                 | 6.70       |             |
| Cdc Tj = 25 °C                | 1.0        |             |
| Pdc Tj = 20°C                 | 5.70 kW    |             |
| EER Tj = 20°C                 | 8.22       |             |
| Cdc Tj = 20 °C                | 1.0        |             |
| Poff                          | 23 W       |             |
| PTO                           | 23 W       |             |
| PSB                           | 23 W       |             |
| PCK                           | 0 W        |             |
| Annual energy consumption Qce | 993 kWh    |             |

| Model EBLA09D(3)W1                         |                       |                    |
|--------------------------------------------|-----------------------|--------------------|
| Model name                                 | EBLA09D(3)W1          |                    |
| Application                                | Heating (medium temp) |                    |
| Units                                      | Outdoor               |                    |
| Climate zone (for heating)                 | Warmer Climate        |                    |
| Reversibility                              | Yes                   |                    |
| Cooling mode application (optional)        | +7°C/12°C             |                    |
| Any additional heat sources                | n/a                   |                    |
| General data                               |                       |                    |
| Power supply                               | 3x400V 50Hz           |                    |
| Off-peak product                           | n/a                   |                    |
| Outdoor Air/Water                          |                       |                    |
| EN 14511-4   Heating                       |                       |                    |
| Shutting off the heat transfer medium flow | passed                |                    |
| Complete power supply failure              | passed                |                    |
| Defrost test                               | passed                |                    |
| Starting and operating test                | passed                |                    |
| EN 14511-2   Heating                       |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Heat output                                | 9.37 kW               | 9.57 kW            |
| El input                                   | 1.91 kW               | 3.29 kW            |
| COP                                        | 4.91                  | 2.91               |
| EN 14511-2   Cooling                       |                       |                    |
|                                            | +7°C/+12°C            | +18°C/+23°C        |
| El input                                   | 2.79 kW               |                    |
| Cooling capacity                           | 9.35                  |                    |
| EER                                        | 3.35                  |                    |
| EN 12102-1   Average Climate               |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Sound power level outdoor                  | 62 dB(A)              | 62 dB(A)           |
| EN 14825   Average Climate                 |                       |                    |
|                                            | Low temperature       | Medium temperature |
| ηs                                         | 190 %                 | 135 %              |
| Prated                                     | 9.00 kW               | 9.00 kW            |
| SCOP                                       | 4.82                  | 3.44               |
| Tbiv                                       | -9 °C                 | -8 °C              |
| TOL                                        | -10 °C                | -10 °C             |
| Pdh Tj = -7°C                              | 8.50 kW               | 8.50 kW            |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| COP Tj = -7°C                                       | 3.07        | 2.09        |
| Cdh Tj = -7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +2°C                                       | 5.50 kW     | 5.00 kW     |
| COP Tj = +2°C                                       | 4.52        | 3.28        |
| Cdh Tj = +2 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +7°C                                       | 4.70 kW     | 4.40 kW     |
| COP Tj = +7°C                                       | 6.78        | 4.80        |
| Cdh Tj = +7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = 12°C                                       | 5.50 kW     | 5.30 kW     |
| COP Tj = 12°C                                       | 8.75        | 6.45        |
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 8.70 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 2.75        | 1.92        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW     | 6.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.70        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 2.20 kW     |
| Annual energy consumption Qhe                       | 3854 kWh    | 5404 kWh    |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

#### EN 14825 | Warmer Climate

|                | Low temperature | Medium temperature |
|----------------|-----------------|--------------------|
| ηs             | 243 %           | 162 %              |
| Prated         | 9.00 kW         | 9.00 kW            |
| SCOP           | 6.20            | 4.26               |
| Tbiv           | 2 °C            | 2 °C               |
| TOL            | 2 °C            | 2 °C               |
| Pdh Tj = +2°C  | 9.00 kW         | 9.00 kW            |
| COP Tj = +2°C  | 3.36            | 2.12               |
| Cdh Tj = +2 °C | 1.00            | 1.00               |
| Pdh Tj = +7°C  | 5.90 kW         | 6.20 kW            |
| COP Tj = +7°C  | 5.59            | 3.65               |
| Cdh Tj = +7 °C | 1.00            | 1.00               |
| Pdh Tj = 12°C  | 5.20 kW         | 5.00 kW            |
| COP Tj = 12°C  | 7.87            | 5.68               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 9.00 kW     | 9.00 kW     |
| COP Tj = Tbiv                                       | 3.36        | 2.12        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 9.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.36        | 2.12        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 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                       | 1938 kWh    | 2820 kWh    |

#### EN 14825 | Cooling

|                               | +7°C/+12°C | +18°C/+23°C |
|-------------------------------|------------|-------------|
| Pdesignc                      | 9.30 kW    |             |
| SEER                          | 5.62       |             |
| Pdc Tj = 35°C                 | 9.40 kW    |             |
| EER Tj = 35°C                 | 3.35       |             |
| Pdc Tj = 30°C                 | 7.00 kW    |             |
| EER Tj = 30°C                 | 4.69       |             |
| Cdc Tj = 30 °C                | 1.0        |             |
| Pdc Tj = 25°C                 | 4.90 kW    |             |
| EER Tj = 25°C                 | 6.70       |             |
| Cdc Tj = 25 °C                | 1.0        |             |
| Pdc Tj = 20°C                 | 5.70 kW    |             |
| EER Tj = 20°C                 | 8.22       |             |
| Cdc Tj = 20 °C                | 1.0        |             |
| Poff                          | 23 W       |             |
| PTO                           | 23 W       |             |
| PSB                           | 23 W       |             |
| PCK                           | 0 W        |             |
| Annual energy consumption Qce | 993 kWh    |             |

| Model EDLA09D(3)V3                         |                       |                    |
|--------------------------------------------|-----------------------|--------------------|
| Model name                                 | EDLA09D(3)V3          |                    |
| Application                                | Heating (medium temp) |                    |
| Units                                      | Outdoor               |                    |
| Climate zone (for heating)                 | Warmer Climate        |                    |
| Cooling mode application (optional)        | n/a                   |                    |
| Any additional heat sources                | n/a                   |                    |
| General data                               |                       |                    |
| Power supply                               | 1x230V 50Hz           |                    |
| Off-peak product                           | n/a                   |                    |
| Outdoor Air/Water                          |                       |                    |
| EN 14511-4   Heating                       |                       |                    |
| Shutting off the heat transfer medium flow | passed                |                    |
| Complete power supply failure              | passed                |                    |
| Defrost test                               | passed                |                    |
| Starting and operating test                | passed                |                    |
| EN 14511-2   Heating                       |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Heat output                                | 9.37 kW               | 9.57 kW            |
| El input                                   | 1.91 kW               | 3.29 kW            |
| COP                                        | 4.91                  | 2.91               |
| EN 14511-2   Cooling                       |                       |                    |
|                                            | +7°C/+12°C            | +18°C/+23°C        |
| El input                                   | 2.79 kW               |                    |
| Cooling capacity                           | 9.35                  |                    |
| EER                                        | 3.35                  |                    |
| EN 12102-1   Average Climate               |                       |                    |
|                                            | Low temperature       | Medium temperature |
| Sound power level outdoor                  | 62 dB(A)              | 62 dB(A)           |
| EN 14825   Average Climate                 |                       |                    |
|                                            | Low temperature       | Medium temperature |
| ηs                                         | 186 %                 | 133 %              |
| Prated                                     | 9.00 kW               | 9.00 kW            |
| SCOP                                       | 4.72                  | 3.39               |
| Tbiv                                       | -9 °C                 | -8 °C              |
| TOL                                        | -10 °C                | -10 °C             |
| Pdh Tj = -7°C                              | 8.50 kW               | 8.50 kW            |
| COP Tj = -7°C                              | 3.07                  | 2.09               |



|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = -7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +2°C                                       | 4.50 kW     | 5.00 kW     |
| COP Tj = +2°C                                       | 4.52        | 3.28        |
| Cdh Tj = +2 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +7°C                                       | 4.70 kW     | 4.40 kW     |
| COP Tj = +7°C                                       | 6.78        | 4.80        |
| Cdh Tj = +7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = 12°C                                       | 5.50 kW     | 5.30 kW     |
| COP Tj = 12°C                                       | 8.75        | 6.45        |
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 8.70 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 2.75        | 1.92        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW     | 6.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.70        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 2.20 kW     |
| Annual energy consumption Qhe                       | 3939 kWh    | 5488 kWh    |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

#### EN 14825 | Warmer Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs              | 233 %           | 162 %              |
| Prated          | 9.00 kW         | 9.00 kW            |
| SCOP            | 5.90            | 4.12               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | 2 °C            | 2 °C               |
| Pdh Tj = +2°C   | 9.00 kW         | 9.00 kW            |
| COP Tj = +2°C   | 3.36            | 2.12               |
| Cdh Tj = +2 °C  | 1.00            | 1.00               |
| Pdh Tj = +7°C   | 5.90 kW         | 6.20 kW            |
| COP Tj = +7°C   | 5.59            | 3.65               |
| Cdh Tj = +7 °C  | 1.00            | 1.00               |
| Pdh Tj = 12°C   | 5.20 kW         | 5.00 kW            |
| COP Tj = 12°C   | 7.87            | 5.68               |
| Cdh Tj = +12 °C | 1.00            | 1.00               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 9.00 kW     | 9.00 kW     |
| COP Tj = Tbiv                                       | 3.36        | 2.12        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 9.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.36        | 2.12        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 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                       | 2039 kWh    | 2921 kWh    |

#### EN 14825 | Cooling

|                               |            |             |
|-------------------------------|------------|-------------|
|                               | +7°C/+12°C | +18°C/+23°C |
| Pdesignc                      | 9.30 kW    |             |
| SEER                          | 5.62       |             |
| Pdc Tj = 35°C                 | 9.40 kW    |             |
| EER Tj = 35°C                 | 3.35       |             |
| Pdc Tj = 30°C                 | 7.00 kW    |             |
| EER Tj = 30°C                 | 4.69       |             |
| Cdc Tj = 30 °C                | 1.0        |             |
| Pdc Tj = 25°C                 | 4.90 kW    |             |
| EER Tj = 25°C                 | 6.70       |             |
| Cdc Tj = 25 °C                | 1.0        |             |
| Pdc Tj = 20°C                 | 5.70 kW    |             |
| EER Tj = 20°C                 | 8.22       |             |
| Cdc Tj = 20 °C                | 1.0        |             |
| Poff                          | 23 W       |             |
| PTO                           | 23 W       |             |
| PSB                           | 23 W       |             |
| PCK                           | 0 W        |             |
| Annual energy consumption Qce | 993 kWh    |             |

## Model EDLA09D(3)W1

|                                     |                       |
|-------------------------------------|-----------------------|
| Model name                          | EDLA09D(3)W1          |
| Application                         | Heating (medium temp) |
| Units                               | Outdoor               |
| Climate zone (for heating)          | Warmer Climate        |
| Cooling mode application (optional) | n/a                   |
| Any additional heat sources         | n/a                   |

## General data

|                  |             |
|------------------|-------------|
| Power supply     | 3x400V 50Hz |
| Off-peak product | n/a         |

## Outdoor Air/Water

### EN 14511-4 | Heating

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

### EN 14511-2 | Heating

|             | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 9.37 kW         | 9.57 kW            |
| El input    | 1.91 kW         | 3.29 kW            |
| COP         | 4.91            | 2.91               |

### EN 14511-2 | Cooling

|                  | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input         | 2.79 kW    |             |
| Cooling capacity | 9.35       |             |
| EER              | 3.35       |             |

### EN 12102-1 | Average Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825 | Average Climate

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 186 %           | 133 %              |
| Prated        | 9.00 kW         | 9.00 kW            |
| SCOP          | 4.72            | 3.39               |
| Tbiv          | -9 °C           | -8 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 8.50 kW         | 8.50 kW            |
| COP Tj = -7°C | 3.07            | 2.09               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Cdh Tj = -7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +2°C                                       | 4.50 kW     | 5.00 kW     |
| COP Tj = +2°C                                       | 4.52        | 3.28        |
| Cdh Tj = +2 °C                                      | 1.00        | 1.00        |
| Pdh Tj = +7°C                                       | 4.70 kW     | 4.40 kW     |
| COP Tj = +7°C                                       | 6.78        | 4.80        |
| Cdh Tj = +7 °C                                      | 1.00        | 1.00        |
| Pdh Tj = 12°C                                       | 5.50 kW     | 5.30 kW     |
| COP Tj = 12°C                                       | 8.75        | 6.45        |
| Cdh Tj = +12 °C                                     | 1.00        | 1.00        |
| Pdh Tj = Tbiv                                       | 8.70 kW     | 8.80 kW     |
| COP Tj = Tbiv                                       | 2.75        | 1.92        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW     | 6.80 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.64        | 1.70        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 W        |
| PCK                                                 | 0 W         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 0.70 kW     | 2.20 kW     |
| Annual energy consumption Qhe                       | 3939 kWh    | 5488 kWh    |

#### EN 12102-1 | Warmer Climate

|                           | Low temperature | Medium temperature |
|---------------------------|-----------------|--------------------|
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

#### EN 14825 | Warmer Climate

|                 | Low temperature | Medium temperature |
|-----------------|-----------------|--------------------|
| ηs              | 233 %           | 162 %              |
| Prated          | 9.00 kW         | 9.00 kW            |
| SCOP            | 5.90            | 4.12               |
| Tbiv            | 2 °C            | 2 °C               |
| TOL             | 2 °C            | 2 °C               |
| Pdh Tj = +2°C   | 9.00 kW         | 9.00 kW            |
| COP Tj = +2°C   | 3.36            | 2.12               |
| Cdh Tj = +2 °C  | 1.00            | 1.00               |
| Pdh Tj = +7°C   | 5.90 kW         | 6.20 kW            |
| COP Tj = +7°C   | 5.59            | 3.65               |
| Cdh Tj = +7 °C  | 1.00            | 1.00               |
| Pdh Tj = 12°C   | 5.20 kW         | 5.00 kW            |
| COP Tj = 12°C   | 7.87            | 5.68               |
| Cdh Tj = +12 °C | 1.00            | 1.00               |

|                                                     |             |             |
|-----------------------------------------------------|-------------|-------------|
| Pdh Tj = Tbiv                                       | 9.00 kW     | 9.00 kW     |
| COP Tj = Tbiv                                       | 3.36        | 2.12        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 9.00 kW     | 9.00 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 3.36        | 2.12        |
| WTOL                                                | 35 °C       | 55 °C       |
| Poff                                                | 23 W        | 23 W        |
| PTO                                                 | 23 W        | 23 W        |
| PSB                                                 | 23 W        | 23 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                       | 2039 kWh    | 2921 kWh    |

#### EN 14825 | Cooling

|                               |            |             |
|-------------------------------|------------|-------------|
|                               | +7°C/+12°C | +18°C/+23°C |
| Pdesignc                      | 9.30 kW    |             |
| SEER                          | 5.62       |             |
| Pdc Tj = 35°C                 | 9.40 kW    |             |
| EER Tj = 35°C                 | 3.35       |             |
| Pdc Tj = 30°C                 | 7.00 kW    |             |
| EER Tj = 30°C                 | 4.69       |             |
| Cdc Tj = 30 °C                | 1.0        |             |
| Pdc Tj = 25°C                 | 4.90 kW    |             |
| EER Tj = 25°C                 | 6.70       |             |
| Cdc Tj = 25 °C                | 1.0        |             |
| Pdc Tj = 20°C                 | 5.70 kW    |             |
| EER Tj = 20°C                 | 8.22       |             |
| Cdc Tj = 20 °C                | 1.0        |             |
| Poff                          | 23 W       |             |
| PTO                           | 23 W       |             |
| PSB                           | 23 W       |             |
| PCK                           | 0 W        |             |
| Annual energy consumption Qce | 993 kWh    |             |