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#### This information was generated by the HP KEYMARK database on 23 Jun 2022

#### <u>Login</u>

| Summary of          | DAIKIN ALTHERMA 3 M 8kW                      | Reg. No.  | 011-1W0529 |  |  |
|---------------------|--|---|------------|--|--|
| Certificate Holder  |  |   |            |  |  |
| Name                | DAIKIN Europe N.V.                           | DAIKIN Europe N.V.                                    |            |  |  |
| Address             | Zandvoordestraat 300                         | Zandvoordestraat 300 Zip B-8400                       |            |  |  |
| City                | Oostende                                     | Country   | Belgium    |  |  |
| Certification Body  | DIN CERTCO Gesellschaft für Konfo            | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |            |  |  |
| Subtype title       | DAIKIN ALTHERMA 3 M 8kW                      | DAIKIN ALTHERMA 3 M 8kW                               |            |  |  |
| Heat Pump Type      | Outdoor Air/Water                            |   |            |  |  |
| Refrigerant         | R32  |   |            |  |  |
| Mass of Refrigerant | 1.35 kg                                      | 1.35 kg   |            |  |  |
| Certification Date  | 18.05.2022                                   | 18.05.2022  |            |  |  |
| Testing basis       | HP KEYMARK certification scheme rules rev. 9 |   |            |  |  |

CEN heat pump

### Model: EBLA08E3V3

| Configure model                     |                       |  |
|-------------------------------------|-----------------------|--|
| Model name                          | EBLA08E3V3            |  |
| Application                         | Heating (medium temp) |  |
| Units                               | Outdoor               |  |
| Climate Zone                        | n/a                   |  |
| Reversibility                       | Yes                   |  |
| Cooling mode application (optional) | +7°C/12°C             |  |

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

#### Heating

| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 7.50 kW         | 7.50 kW            |
| El input    | 1.63 kW         | 2.78 kW            |
| СОР         | 4.60            | 2.70               |

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





| EN 14511-2       |            |
|------------------|------------|
|                  | +7°C/+12°C |
| El input         | 1.73 kW    |
| Cooling capacity | 5.44       |
| EER              | 3.14       |



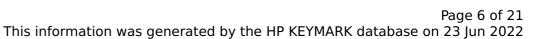


| This information was generated by the firek. | +7°C/+12°C |
|--|------------|
| Pdesignc                                     | 5.40 kW    |
| SEER   | 5.36       |
| Pdc Tj = 35°C                                | 5.44 kW    |
| EER Tj = 35°C                                | 3.14       |
| Pdc Tj = 30°C                                | 4.02 kW    |
| EER Tj = 30°C                                | 4.66       |
| Cdc  | 0.984      |
| Pdc Tj = 25°C                                | 2.47 kW    |
| EER Tj = 25°C                                | 6.21       |
| Cdc  | 0.975      |
| Pdc Tj = 20°C                                | 2.54 kW    |
| EER Tj = 20°C                                | 7.17       |
| Cdc  | 0.972      |
| Poff   | 10 W       |
| РТО  | 10 W       |
| PSB  | 10 W       |
| РСК  | o w        |
| Annual energy consumption Qce                | 609 kWh    |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level outdoor | 58 dB(A)        | 58 dB(A)           |

| EN 14825               |                 |                    |
|------------------------|-----------------|--------------------|
|                        | Low temperature | Medium temperature |
| $\eta_{s}$             | 181 %           | 131 %              |
| Prated                 | 8.00 kW         | 8.00 kW            |
| SCOP                   | 4.61            | 3.35               |
| Tbiv                   | -8 °C           | -8 °C              |
| TOL                    | -10 °C          | -10 °C             |
| Pdh Tj = -7°C          | 7.00 kW         | 6.90 kW            |
| COP Tj = -7°C          | 2.77            | 1.96               |
| Cdh Tj = -7 °C         | 1.0             | 1.0                |
| Pdh Tj = +2°C          | 4.20 kW         | 4.40 kW            |
| COP Tj = +2°C          | 4.35            | 3.20               |
| Cdh Tj = +2 °C         | 1.0             | 1.0                |
| Pdh Tj = +7°C          | 3.30 kW         | 3.30 kW            |
| $COP Tj = +7^{\circ}C$ | 6.49            | 4.64               |
| Cdh Tj = +7 °C         | 1.0             | 1.0                |
| Pdh Tj = 12°C          | 3.90 kW         | 4.10 kW            |





| This information was generated by the Fir KETMARK database on 25 jun 2022 |             |             |  |  |
|---|-------------|-------------|--|--|
| COP Tj = 12°C   | 8.52        | 6.22        |  |  |
| Cdh Tj = +12 °C   | 1.0         | 1.0         |  |  |
| Pdh Tj = Tbiv   | 7.50 kW     | 7.50 kW     |  |  |
| COP Tj = Tbiv   | 2.66        | 1.90        |  |  |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh                       | 6.90 kW     | 7.05 kW     |  |  |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh                       | 2.41        | 1.64        |  |  |
| WTOL  | 35 °C       | 55 °C       |  |  |
| Poff  | 10 W        | 10 W        |  |  |
| РТО   | 10 W        | 10 W        |  |  |
| PSB   | 10 W        | 10 W        |  |  |
| PCK   | o w         | 0 W         |  |  |
| Supplementary Heater: Type of energy input                                | Electricity | Electricity |  |  |
| Supplementary Heater: PSUP  | 1.10 kW     | 0.95 kW     |  |  |
| Annual energy consumption Qhe   | 3588 kWh    | 4939 kWh    |  |  |



### **Model: EBLA08EV3**

| Configure model                     |                       |  |
|-------------------------------------|-----------------------|--|
| Model name                          | EBLA08EV3             |  |
| Application                         | Heating (medium temp) |  |
| Units                               | Outdoor               |  |
| Climate Zone                        | n/a                   |  |
| Reversibility                       | Yes                   |  |
| Cooling mode application (optional) | +7°C/12°C             |  |

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

#### Heating

| EN 14511-2                         |         |         |  |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature |         |         |  |
| Heat output                        | 7.50 kW | 7.50 kW |  |
| El input                           | 1.63 kW | 2.78 kW |  |
| СОР                                | 4.60    | 2.70    |  |

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





| EN 14511-2       |         |
|------------------|---------|
| +7°C/+12°C       |         |
| El input         | 1.73 kW |
| Cooling capacity | 5.44    |
| EER              | 3.14    |





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 5.40 kW    |
| SEER                          | 5.36       |
| Pdc Tj = 35°C                 | 5.44 kW    |
| EER Tj = 35°C                 | 3.14       |
| Pdc Tj = 30°C                 | 4.02 kW    |
| EER Tj = 30°C                 | 4.66       |
| Cdc                           | 0.984      |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.21       |
| Cdc                           | 0.975      |
| Pdc Tj = 20°C                 | 2.54 kW    |
| EER Tj = 20°C                 | 7.17       |
| Cdc                           | 0.972      |
| Poff                          | 10 W       |
| PTO                           | 10 W       |
| PSB                           | 10 W       |
| PCK                           | 0 W        |
| Annual energy consumption Qce | 609 kWh    |





| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level outdoor | 58 dB(A)        | 58 dB(A)           |

| EN 14825       |                 |                    |
|----------------|-----------------|--------------------|
|                | Low temperature | Medium temperature |
| $\eta_{s}$     | 181 %           | 131 %              |
| Prated         | 8.00 kW         | 8.00 kW            |
| SCOP           | 4.61            | 3.35               |
| Tbiv           | -8 °C           | -8 °C              |
| TOL            | -10 °C          | -10 °C             |
| Pdh Tj = -7°C  | 7.00 kW         | 6.90 kW            |
| COP Tj = -7°C  | 2.77            | 1.96               |
| Cdh Tj = -7 °C | 1.0             | 1.0                |
| Pdh Tj = +2°C  | 4.20 kW         | 4.40 kW            |
| COP Tj = +2°C  | 4.35            | 3.20               |
| Cdh Tj = +2 °C | 1.0             | 1.0                |
| Pdh Tj = +7°C  | 3.30 kW         | 3.30 kW            |
| COP Tj = +7°C  | 6.49            | 4.64               |
| Cdh Tj = +7 °C | 1.0             | 1.0                |
| Pdh Tj = 12°C  | 3.90 kW         | 4.10 kW            |



|   | <u> </u>    | ·           |
|---|-------------|-------------|
| COP Tj = 12°C                                       | 8.52        | 6.22        |
| Cdh Tj = +12 °C                                     | 1.0         | 1.0         |
| Pdh Tj = Tbiv                                       | 7.50 kW     | 7.50 kW     |
| COP Tj = Tbiv                                       | 2.66        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW     | 7.05 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41        | 1.64        |
| WTOL  | 35 °C       | 55 °C       |
| Poff  | 10 W        | 10 W        |
| РТО   | 10 W        | 10 W        |
| PSB   | 10 W        | 10 W        |
| PCK   | o w         | o w         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.10 kW     | 0.95 kW     |
| Annual energy consumption Qhe                       | 3588 kWh    | 4939 kWh    |



### Model: EDLA08E3V3

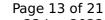
| Configure model                     |                       |  |
|-------------------------------------|-----------------------|--|
| Model name EDLA08E3V3               |                       |  |
| Application                         | Heating (medium temp) |  |
| Units                               | Outdoor               |  |
| Climate Zone                        | n/a                   |  |
| Reversibility                       | No                    |  |
| Cooling mode application (optional) | n/a                   |  |

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

#### Heating

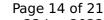
| EN 14511-2                         |         |         |  |
|------------------------------------|---------|---------|--|
| Low temperature Medium temperature |         |         |  |
| Heat output                        | 7.50 kW | 7.50 kW |  |
| El input                           | 1.63 kW | 2.78 kW |  |
| СОР                                | 4.60    | 2.70    |  |

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





| EN 14511-2       |         |
|------------------|---------|
| +7°C/+12°C       |         |
| El input         | 1.36 kW |
| Cooling capacity | 4.52    |
| EER              | 3.32    |





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 5.40 kW    |
| SEER                          | 5.36       |
| Pdc Tj = 35°C                 | 5.44 kW    |
| EER Tj = 35°C                 | 3.14       |
| Pdc Tj = 30°C                 | 4.02 kW    |
| EER Tj = 30°C                 | 4.66       |
| Cdc                           | 1.000      |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.21       |
| Cdc                           | 1.000      |
| Pdc Tj = 20°C                 | 2.54 kW    |
| EER Tj = 20°C                 | 7.17       |
| Cdc                           | 1.000      |
| Poff                          | 10 W       |
| РТО                           | 10 W       |
| PSB                           | 10 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 609 kWh    |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level outdoor | 58 dB(A)        | 58 dB(A)           |

| EN 14825       |                 |                    |  |
|----------------|-----------------|--------------------|--|
|                | Low temperature | Medium temperature |  |
| $\eta_{s}$     | 179 %           | 130 %              |  |
| Prated         | 8.00 kW         | 8.00 kW            |  |
| SCOP           | 4.56            | 3.32               |  |
| Tbiv           | -8 °C           | -8 °C              |  |
| TOL            | -10 °C          | -10 °C             |  |
| Pdh Tj = -7°C  | 7.00 kW         | 6.90 kW            |  |
| COP Tj = -7°C  | 2.77            | 1.96               |  |
| Cdh Tj = -7 °C | 1.0             | 1.0                |  |
| Pdh Tj = +2°C  | 4.20 kW         | 4.40 kW            |  |
| COP Tj = +2°C  | 4.35            | 3.20               |  |
| Cdh Tj = +2 °C | 1.0             | 1.0                |  |
| Pdh Tj = +7°C  | 3.30 kW         | 3.30 kW            |  |
| COP Tj = +7°C  | 6.49            | 4.64               |  |
| Cdh Tj = +7 °C | 1.0             | 1.0                |  |
| Pdh Tj = 12°C  | 3.90 kW         | 4.10 kW            |  |



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#### This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = 12°C                                       | 8.52        | 6.22        |
|---|-------------|-------------|
| Cdh Tj = +12 °C                                     | 1.0         | 1.0         |
| Pdh Tj = Tbiv                                       | 7.50 kW     | 7.50 kW     |
| COP Tj = Tbiv                                       | 2.66        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW     | 7.05 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41        | 1.64        |
| WTOL  | 35 °C       | 55 °C       |
| Poff  | 10 W        | 10 W        |
| РТО   | 10 W        | 10 W        |
| PSB   | 10 W        | 10 W        |
| PCK   | o w         | 0 W         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.10 kW     | 0.95 kW     |
| Annual energy consumption Qhe                       | 3625 kWh    | 4975 kWh    |
|   |             |             |



### **Model: EDLA08EV3**

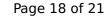
| Configure model                     |                       |  |
|-------------------------------------|-----------------------|--|
| Model name                          | EDLA08EV3             |  |
| Application                         | Heating (medium temp) |  |
| Units                               | Outdoor               |  |
| Climate Zone                        | n/a                   |  |
| Reversibility                       | No                    |  |
| Cooling mode application (optional) | n/a                   |  |

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

#### Heating

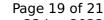
| EN 14511-2  |                 |                    |
|-------------|-----------------|--------------------|
|             | Low temperature | Medium temperature |
| Heat output | 7.50 kW         | 7.50 kW            |
| El input    | 1.63 kW         | 2.78 kW            |
| СОР         | 4.60            | 2.70               |

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





| EN 14511-2       |         |  |
|------------------|---------|--|
| +7°C/+12°C       |         |  |
| El input         | 1.36 kW |  |
| Cooling capacity | 4.52    |  |
| EER              | 3.32    |  |





|                               | +7°C/+12°C |
|-------------------------------|------------|
| Pdesignc                      | 5.40 kW    |
| SEER                          | 5.36       |
| Pdc Tj = 35°C                 | 5.44 kW    |
| EER Tj = 35°C                 | 3.14       |
| Pdc Tj = 30°C                 | 4.02 kW    |
| EER Tj = 30°C                 | 4.66       |
| Cdc                           | 1.000      |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.21       |
| Cdc                           | 1.000      |
| Pdc Tj = 20°C                 | 2.54 kW    |
| EER Tj = 20°C                 | 7.17       |
| Cdc                           | 1.000      |
| Poff                          | 10 W       |
| РТО                           | 10 W       |
| PSB                           | 10 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 609 kWh    |





| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level outdoor | 58 dB(A)        | 58 dB(A)           |

| EN 14825                      |         |         |  |  |
|-------------------------------|---------|---------|--|--|
| Low temperature   Medium temp |         |         |  |  |
| $\eta_{s}$                    | 179 %   | 130 %   |  |  |
| Prated                        | 8.00 kW | 8.00 kW |  |  |
| SCOP                          | 4.56    | 3.32    |  |  |
| Tbiv                          | -8 °C   | -8 °C   |  |  |
| TOL                           | -10 °C  | -10 °C  |  |  |
| Pdh Tj = -7°C                 | 7.00 kW | 6.90 kW |  |  |
| COP Tj = -7°C                 | 2.77    | 1.96    |  |  |
| Cdh Tj = -7 °C                | 1.0     | 1.0     |  |  |
| Pdh Tj = +2°C                 | 4.20 kW | 4.40 kW |  |  |
| COP Tj = +2°C                 | 4.35    | 3.20    |  |  |
| Cdh Tj = +2 °C                | 1.0     | 1.0     |  |  |
| Pdh Tj = +7°C                 | 3.30 kW | 3.30 kW |  |  |
| COP Tj = +7°C                 | 6.49    | 4.64    |  |  |
| Cdh Tj = +7 °C                | 1.0     | 1.0     |  |  |
| Pdh Tj = 12°C                 | 3.90 kW | 4.10 kW |  |  |



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#### This information was generated by the HP KEYMARK database on 23 Jun 2022

| COP Tj = 12°C                                       | 8.52        | 6.22        |
|---|-------------|-------------|
| Cdh Tj = +12 °C                                     | 1.0         | 1.0         |
| Pdh Tj = Tbiv                                       | 7.50 kW     | 7.50 kW     |
| COP Tj = Tbiv                                       | 2.66        | 1.90        |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 6.90 kW     | 7.05 kW     |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.41        | 1.64        |
| WTOL  | 35 °C       | 55 °C       |
| Poff  | 10 W        | 10 W        |
| РТО   | 10 W        | 10 W        |
| PSB   | 10 W        | 10 W        |
| PCK   | o w         | o w         |
| Supplementary Heater: Type of energy input          | Electricity | Electricity |
| Supplementary Heater: PSUP                          | 1.10 kW     | 0.95 kW     |
| Annual energy consumption Qhe                       | 3625 kWh    | 4975 kWh    |