

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

|                            |   |  |          |            |
|----------------------------|---|--|----------|------------|
| Summary of                 | DAIKIN ALTHERMA 3 R F 8KW (230L) /A                   |  | Reg. No. | 011-1W0249 |
| 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 | Danish Technological Institute                        |  |          |            |
| Subtype title              | DAIKIN ALTHERMA 3 R F 8KW (230L) /A                   |  |          |            |
| Heat Pump Type             | Outdoor Air/Water                                     |  |          |            |
| Refrigerant                | R32   |  |          |            |
| Mass Of Refrigerant        | 1.5 kg  |  |          |            |
| Certification Date         | 27.03.2018  |  |          |            |
| Testing basis              | HP KEYMARK certification scheme rules rev. 7          |  |          |            |

# Model: ERGA08DVA / EHVX08S23D9W(G)

## General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 181 %           | 129 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.61            | 3.30               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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

|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3588 kWh   | 4694 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08DVA / EHVX08S23D6V(G)

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 181 %           | 129 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.61            | 3.30               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3588 kWh   | 4694 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

# Model: ERGA08DVA / EHVH08S23D9W(G)

## General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 179 %           | 128 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.56            | 3.27               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3625 kWh   | 4731 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08DVA / EHVH08S23D6V(G)

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 179 %           | 128 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.56            | 3.27               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3625 kWh   | 4731 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08EVA / EHVX08S23E9W

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 181 %           | 129 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.61            | 3.30               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3588 kWh   | 4694 kWh   |

## Cooling

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

### EN 14511-2

|                        |                   |
|------------------------|-------------------|
|                        | <b>+7°C/+12°C</b> |
| El input               | 1.73 kW           |
| Indoor water flow rate | 0.94 m³/h         |
| Cooling capacity       | 5.44              |
| EER                    | 3.14              |

### EN 14825

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

|   | <b>+7°C/+12°C</b> |
|---|-------------------|
| P <sub>designc</sub>                      | 5.40 kW           |
| SEER                                      | 5.71              |
| P <sub>dc</sub> T <sub>j</sub> = 35°C     | 5.44 kW           |
| EER T <sub>j</sub> = 35°C                 | 3.14              |
| P <sub>dc</sub> T <sub>j</sub> = 30°C     | 4.02 kW           |
| EER T <sub>j</sub> = 30°C                 | 4.84              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>dc</sub> T <sub>j</sub> = 25°C     | 2.47 kW           |
| EER T <sub>j</sub> = 25°C                 | 6.86              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>dc</sub> T <sub>j</sub> = 20°C     | 2.54 kW           |
| EER T <sub>j</sub> = 20°C                 | 8.47              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>off</sub>                          | 10 W              |
| PTO                                       | 10 W              |
| PSB                                       | 10 W              |
| PCK                                       | 0 W               |
| Annual energy consumption Q <sub>ce</sub> | 571 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08EVA / EHVX08S23E6V(G)

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 181 %           | 129 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.61            | 3.30               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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

|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3588 kWh   | 4694 kWh   |

## Cooling

**EN 14511-2**

|                        |                   |
|------------------------|-------------------|
|                        | <b>+7°C/+12°C</b> |
| El input               | 1.73 kW           |
| Indoor water flow rate | 0.94 m³/h         |
| Cooling capacity       | 5.44              |
| EER                    | 3.14              |

**EN 14825**

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

|   |                   |
|---|-------------------|
|   | <b>+7°C/+12°C</b> |
| P <sub>designc</sub>                      | 5.40 kW           |
| SEER                                      | 5.71              |
| P <sub>dc</sub> T <sub>j</sub> = 35°C     | 5.44 kW           |
| EER T <sub>j</sub> = 35°C                 | 3.14              |
| P <sub>dc</sub> T <sub>j</sub> = 30°C     | 4.02 kW           |
| EER T <sub>j</sub> = 30°C                 | 4.84              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>dc</sub> T <sub>j</sub> = 25°C     | 2.47 kW           |
| EER T <sub>j</sub> = 25°C                 | 6.86              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>dc</sub> T <sub>j</sub> = 20°C     | 2.54 kW           |
| EER T <sub>j</sub> = 20°C                 | 8.47              |
| C <sub>dc</sub>                           | 1.0               |
| P <sub>off</sub>                          | 10 W              |
| PTO                                       | 10 W              |
| PSB                                       | 10 W              |
| PCK                                       | 0 W               |
| Annual energy consumption Q <sub>ce</sub> | 571 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08EVA / EHVH08S23E9W

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 179 %           | 128 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.56            | 3.27               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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

|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3625 kWh   | 4731 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 $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

## Model: ERGA08EVA / EHVH08S23E6V

### General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
| El input               | 1.63 kW                | 2.78 kW                |
| COP                    | 4.60                   | 2.70                   |
| Indoor water flow rate | 1.29 m <sup>3</sup> /h | 0.92 m <sup>3</sup> /h |

## 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  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 62 dB(A)        | 62 dB(A)           |

### EN 14825

|               | Low temperature | Medium temperature |
|---------------|-----------------|--------------------|
| $\eta_s$      | 179 %           | 128 %              |
| Prated        | 8.00 kW         | 7.50 kW            |
| SCOP          | 4.56            | 3.27               |
| Tbiv          | -8 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 7.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.77            | 1.98               |
| Cdh           | n/a             | 1.00               |
| Pdh Tj = +2°C | 4.20 kW         | 4.10 kW            |
| COP Tj = +2°C | 4.35            | 3.18               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.30 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.49            | 4.54               |
| Cdh           | 1.00            | 1.00               |

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

|  |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
| COP Tj = 12°C                              | 8.52       | 6.16       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 7.50 kW    | 6.40 kW    |
| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3625 kWh   | 4731 kWh   |

## Domestic Hot Water (DHW)

### Average Climate

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| <b>EN 16147</b>                 |            |
|---------------------------------|------------|
| Declared load profile           | XL         |
| Efficiency $\eta_{DHW}$         | 133 %      |
| COP                             | 3.30       |
| Heating up time                 | 1:47 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 288 l      |

# Model: ERGA08EVA / EHVH08SU23E6V

## General Data

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

## Heating

### 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

|                        | Low temperature        | Medium temperature     |
|------------------------|------------------------|------------------------|
| Heat output            | 7.50 kW                | 7.50 kW                |
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| COP Tj = Tbiv                              | 2.66       | 2.18       |
| Pdh Tj = TOL                               | 6.90 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.41       | 1.43       |
| Cdh  | 1.00       | 1.00       |
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| Poff                                       | 10 W       | 10 W       |
| PTO  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | 0 W        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 3.00 kW    |
| Annual energy consumption Qhe              | 3625 kWh   | 4731 kWh   |

## Domestic Hot Water (DHW)

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