

| Summary of                 | DAIKIN ALTHERMA 3 R F 6KW (180L) /A                   | Reg. No. | 011-1W0250 |
|----------------------------|---|----------|------------|
| Certificate Holder         | 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 6KW (180L) /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: ERGA06DVA / EHVH08S18D6V(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 |

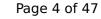
| EN 14511-2             |                 |                    |
|------------------------|-----------------|--------------------|
|                        | Low temperature | Medium temperature |
| Heat output            | 6.00 kW         | 5.80 kW            |
| El input               | 1.24 kW         | 2.15 kW            |
| СОР                    | 4.85            | 2.70               |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.47            | 3.25               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

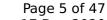
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





|  | <u> </u>   |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| 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 | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 2.50 kW    |
| Annual energy consumption Qhe              | 3233 kWh   | 4456 kWh   |
|  |            |            |

Domestic Hot Water (DHW)





| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency ηDHW                 | 125 %      |
| СОР                             | 3.10       |
| Heating up time                 | 1:34 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 238        |



# Model: ERGA06DVA / EHVH08S18D9W(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 |

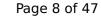
| EN 14511-2             |                 |                    |
|------------------------|-----------------|--------------------|
|                        | Low temperature | Medium temperature |
| Heat output            | 6.00 kW         | 5.80 kW            |
| El input               | 1.24 kW         | 2.15 kW            |
| СОР                    | 4.85            | 2.70               |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.47            | 3.25               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

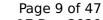
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| 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 | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 2.50 kW    |
| Annual energy consumption Qhe              | 3233 kWh   | 4456 kWh   |

Domestic Hot Water (DHW)





| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | L          |  |
| Efficiency ηDHW                 | 125 %      |  |
| СОР                             | 3.10       |  |
| Heating up time                 | 1:34 h:min |  |
| Standby power input             | 28.0 W     |  |
| Reference hot water temperature | 52.5 °C    |  |
| Mixed water at 40°C             | 238 I      |  |



# Model: ERGA06DVA / EHVX08S18D6V(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 |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |



 $$\operatorname{\textit{Page}}\ 11$$  of 47 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 | 60 dB(A)        | 60 dB(A)           |

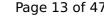
| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.52            | 3.26               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| РТО  | 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    | 2.50 kW    |
| Annual energy consumption Qhe              | 3196 kWh   | 4419 kWh   |
|  | •          | •          |

Domestic Hot Water (DHW)





# $$\operatorname{Page}\ 13$$ of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | L          |  |
| Efficiency ηDHW                 | 125 %      |  |
| СОР                             | 3.10       |  |
| Heating up time                 | 1:34 h:min |  |
| Standby power input             | 28.0 W     |  |
| Reference hot water temperature | 52.5 °C    |  |
| Mixed water at 40°C             | 238 I      |  |



# Model: ERGA06DVA / EHVX08S18D9W(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 |  |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |

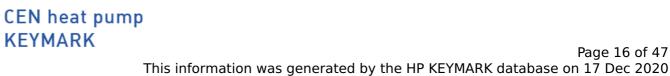


 $$\operatorname{\textit{Page}}\ 15$$  of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

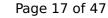
| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.52            | 3.26               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



| This information was get                   |            |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| РТО  | 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    | 2.50 kW    |
| Annual energy consumption Qhe              | 3196 kWh   | 4419 kWh   |
| ·  |            |            |

# Domestic Hot Water (DHW)





| EN 16147                        |            |
|---------------------------------|------------|
| Declared load profile           | L          |
| Efficiency ηDHW                 | 125 %      |
| СОР                             | 3.10       |
| Heating up time                 | 1:34 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 238        |



# Model: ERGA06EVA / EHVX08S18E6V(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 |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |

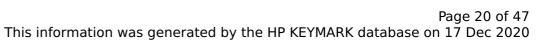


 $$\operatorname{\textit{Page}}\ 19$$  of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 178 %           | 128 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.52            | 3.27               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

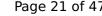
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| 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 | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 2.50 kW    |
| Annual energy consumption Qhe              | 3196 kWh   | 4419 kWh   |

# Cooling





 $$\operatorname{Page}\ 21$$  of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 14511-2             |            |  |
|------------------------|------------|--|
|                        | +7°C/+12°C |  |
| El input               | 1.55 kW    |  |
| Indoor water flow rate | 0.88 m³/h  |  |
| Cooling capacity       | 5.09       |  |
| EER                    | 3.28       |  |



| EN 14825                      |            |
|-------------------------------|------------|
|                               | +7°C/+12°C |
| Pdesignc                      | 5.10 kW    |
| SEER                          | 5.73       |
| Pdc Tj = 35°C                 | 5.09 kW    |
| EER Tj = 35°C                 | 3.28       |
| Pdc Tj = 30°C                 | 3.75 kW    |
| EER Tj = 30°C                 | 4.93       |
| Cdc                           | 1.0        |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.86       |
| Cdc                           | 1.0        |
| Pdc Tj = 20°C                 | 2.52 kW    |
| EER Tj = 20°C                 | 8.36       |
| Cdc                           | 1.0        |
| Poff                          | 10 W       |
| РТО                           | 10 W       |
| PSB                           | 10 W       |
| РСК                           | 0 W        |
| Annual energy consumption Qce | 533 kWh    |

# Domestic Hot Water (DHW)



| EN 16147                        |            |
|---------------------------------|------------|
| Designed lead outfile           |            |
| Declared load profile           | L          |
| Efficiency ηDHW                 | 125 %      |
| СОР                             | 3.10       |
| Heating up time                 | 1:34 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 238 I      |



# Model: ERGA06EVA / EHVX08S18E9W

| 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 |

| EN 14511-2             |                 |                    |
|------------------------|-----------------|--------------------|
|                        | Low temperature | Medium temperature |
| Heat output            | 6.00 kW         | 5.80 kW            |
| El input               | 1.24 kW         | 2.15 kW            |
| СОР                    | 4.85            | 2.70               |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |



 $$\operatorname{\textit{Page}}\xspace$  25 of 47 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 | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 178 %           | 128 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.52            | 3.27               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

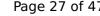
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



# $$\operatorname{\textit{Page}}\xspace$ 26 of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| РТО  | 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    | 2.50 kW    |
| Annual energy consumption Qhe              | 3196 kWh   | 4419 kWh   |
|  | •          | •          |

# Cooling





 $$\operatorname{\textit{Page}}\xspace$  27 of 47 This information was generated by the HP KEYMARK database on 17 Dec 2020

| EN 14511-2             |            |
|------------------------|------------|
|                        | +7°C/+12°C |
| El input               | 1.55 kW    |
| Indoor water flow rate | 0.88 m³/h  |
| Cooling capacity       | 5.09       |
| EER                    | 3.28       |



| EN 14825                      |            |
|-------------------------------|------------|
|                               | +7°C/+12°C |
| Pdesignc                      | 5.10 kW    |
| SEER                          | 5.73       |
| Pdc Tj = 35°C                 | 5.09 kW    |
| EER Tj = 35°C                 | 3.28       |
| Pdc Tj = 30°C                 | 3.75 kW    |
| EER Tj = 30°C                 | 4.93       |
| Cdc                           | 1.0        |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.86       |
| Cdc                           | 1.0        |
| Pdc Tj = 20°C                 | 2.52 kW    |
| EER Tj = 20°C                 | 8.36       |
| Cdc                           | 1.0        |
| Poff                          | 10 W       |
| PTO                           | 10 W       |
| PSB                           | 10 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 533 kWh    |

# Domestic Hot Water (DHW)



| EN 16147                        |            |
|---------------------------------|------------|
| Designed lead outfile           |            |
| Declared load profile           | L          |
| Efficiency ηDHW                 | 125 %      |
| СОР                             | 3.10       |
| Heating up time                 | 1:34 h:min |
| Standby power input             | 28.0 W     |
| Reference hot water temperature | 52.5 °C    |
| Mixed water at 40°C             | 238 I      |



# Model: ERGA06EVA / EHVH08S18E6V

| 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 |  |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.47            | 3.25               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| РТО  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | 0 W        | o w        |
| Supplementary Heater: Type of energy input | Electrical | Electrical |
| Supplementary Heater: PSUP                 | 1.00 kW    | 2.50 kW    |
| Annual energy consumption Qhe              | 3233 kWh   | 4456 kWh   |

# Cooling





| EN 14511-2             |            |  |
|------------------------|------------|--|
|                        | +7°C/+12°C |  |
| El input               | 1.55 kW    |  |
| Indoor water flow rate | 0.88 m³/h  |  |
| Cooling capacity       | 5.09       |  |
| EER                    | 3.28       |  |



| EN 14825                      |            |
|-------------------------------|------------|
|                               | +7°C/+12°C |
| Pdesignc                      | 5.10 kW    |
| SEER                          | 5.73       |
| Pdc Tj = 35°C                 | 5.09 kW    |
| EER Tj = 35°C                 | 3.28       |
| Pdc Tj = 30°C                 | 3.75 kW    |
| EER Tj = 30°C                 | 4.93       |
| Cdc                           | 1.0        |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.86       |
| Cdc                           | 1.0        |
| Pdc Tj = 20°C                 | 2.52 kW    |
| EER Tj = 20°C                 | 8.36       |
| Cdc                           | 1.0        |
| Poff                          | 10 W       |
| РТО                           | 10 W       |
| PSB                           | 10 W       |
| РСК                           | o w        |
| Annual energy consumption Qce | 533 kWh    |

# Domestic Hot Water (DHW)



# Average Climate

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

| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | L          |  |
| Efficiency ηDHW                 | 125 %      |  |
| СОР                             | 3.10       |  |
| Heating up time                 | 1:34 h:min |  |
| Standby power input             | 28.0 W     |  |
| Reference hot water temperature | 52.5 °C    |  |
| Mixed water at 40°C             | 238        |  |



# Model: ERGA06EVA / EHVH08S18E9W

| 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 |  |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |



 $$\operatorname{\textit{Page}}\xspace$  37 of 47 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 | 60 dB(A)        | 60 dB(A)           |

| EN 14825      |                 |                    |
|---------------|-----------------|--------------------|
|               | Low temperature | Medium temperature |
| $\eta_{s}$    | 176 %           | 127 %              |
| Prated        | 7.00 kW         | 7.00 kW            |
| SCOP          | 4.47            | 3.25               |
| Tbiv          | -6 °C           | -6 °C              |
| TOL           | -10 °C          | -10 °C             |
| Pdh Tj = -7°C | 6.00 kW         | 5.90 kW            |
| COP Tj = -7°C | 2.86            | 1.98               |
| Cdh           |                 | 1.00               |
| Pdh Tj = +2°C | 3.90 kW         | 3.90 kW            |
| COP Tj = +2°C | 4.25            | 3.16               |
| Cdh           | 1.00            | 1.00               |
| Pdh Tj = +7°C | 3.20 kW         | 3.00 kW            |
| COP Tj = +7°C | 6.30            | 4.49               |
| Cdh           | 1.00            | 1.00               |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com



|  | <u> </u>   |            |
|--|------------|------------|
| Pdh Tj = 12°C                              | 3.30 kW    | 3.30 kW    |
| COP Tj = 12°C                              | 7.78       | 6.10       |
| Cdh  | 1.00       | 1.00       |
| Pdh Tj = Tbiv                              | 6.10 kW    | 6.10 kW    |
| COP Tj = Tbiv                              | 3.07       | 2.12       |
| Pdh Tj = TOL                               | 6.00 kW    | 4.50 kW    |
| COP Tj = TOL                               | 2.49       | 1.43       |
| Cdh  | 1.00       | 1.00       |
| WTOL                                       | 35 °C      | 55 °C      |
| Poff                                       | 10 W       | 10 W       |
| РТО  | 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    | 2.50 kW    |
| Annual energy consumption Qhe              | 3233 kWh   | 4456 kWh   |
|  |            |            |

# Cooling





| EN 14511-2             |            |  |
|------------------------|------------|--|
|                        | +7°C/+12°C |  |
| El input               | 1.55 kW    |  |
| Indoor water flow rate | 0.88 m³/h  |  |
| Cooling capacity       | 5.09       |  |
| EER                    | 3.28       |  |



| EN 14825                      |            |
|-------------------------------|------------|
|                               | +7°C/+12°C |
| Pdesignc                      | 5.10 kW    |
| SEER                          | 5.73       |
| Pdc Tj = 35°C                 | 5.09 kW    |
| EER Tj = 35°C                 | 3.28       |
| Pdc Tj = 30°C                 | 3.75 kW    |
| EER Tj = 30°C                 | 4.93       |
| Cdc                           | 1.0        |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.86       |
| Cdc                           | 1.0        |
| Pdc Tj = 20°C                 | 2.52 kW    |
| EER Tj = 20°C                 | 8.36       |
| Cdc                           | 1.0        |
| Poff                          | 10 W       |
| РТО                           | 10 W       |
| PSB                           | 10 W       |
| РСК                           | o w        |
| Annual energy consumption Qce | 533 kWh    |

# Domestic Hot Water (DHW)



| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Designed lead outfile           |            |  |
| Declared load profile           | L          |  |
| Efficiency ηDHW                 | 125 %      |  |
| СОР                             | 3.10       |  |
| Heating up time                 | 1:34 h:min |  |
| Standby power input             | 28.0 W     |  |
| Reference hot water temperature | 52.5 °C    |  |
| Mixed water at 40°C             | 238 I      |  |



# Model: ERGA06EVA / EHVH08SU18E6V

| 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 |  |

| EN 14511-2             |                 |                    |  |
|------------------------|-----------------|--------------------|--|
|                        | Low temperature | Medium temperature |  |
| Heat output            | 6.00 kW         | 5.80 kW            |  |
| El input               | 1.24 kW         | 2.15 kW            |  |
| СОР                    | 4.85            | 2.70               |  |
| Indoor water flow rate | 1.03 m³/h       | 0.71 m³/h          |  |



| EN 12102-1                |                 |                    |
|---------------------------|-----------------|--------------------|
|                           | Low temperature | Medium temperature |
| Sound power level indoor  | 42 dB(A)        | 42 dB(A)           |
| Sound power level outdoor | 60 dB(A)        | 60 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          | -6 °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               |

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





| Pdh Tj = 12°C                              | 3.90 kW    | 3.70 kW    |
|--|------------|------------|
| COP Tj = 12°C                              | 8.52       | 6.10       |
| 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       |
| РТО  | 10 W       | 10 W       |
| PSB  | 10 W       | 10 W       |
| PCK  | o w        | o 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   |

# Cooling





| EN 14511-2             |            |  |
|------------------------|------------|--|
|                        | +7°C/+12°C |  |
| El input               | 1.55 kW    |  |
| Indoor water flow rate | 0.88 m³/h  |  |
| Cooling capacity       | 5.09       |  |
| EER                    | 3.28       |  |



| EN 14825                      |            |
|-------------------------------|------------|
|                               | +7°C/+12°C |
| Pdesignc                      | 5.10 kW    |
| SEER                          | 5.73       |
| Pdc Tj = 35°C                 | 5.09 kW    |
| EER Tj = 35°C                 | 3.28       |
| Pdc Tj = 30°C                 | 3.75 kW    |
| EER Tj = 30°C                 | 4.93       |
| Cdc                           | 1.0        |
| Pdc Tj = 25°C                 | 2.47 kW    |
| EER Tj = 25°C                 | 6.86       |
| Cdc                           | 1.0        |
| Pdc Tj = 20°C                 | 2.52 kW    |
| EER Tj = 20°C                 | 8.36       |
| Cdc                           | 1.0        |
| Poff                          | 10 W       |
| PTO                           | 10 W       |
| PSB                           | 10 W       |
| PCK                           | o w        |
| Annual energy consumption Qce | 533 kWh    |

# Domestic Hot Water (DHW)



| EN 16147                        |            |  |
|---------------------------------|------------|--|
| Declared load profile           | L          |  |
| Efficiency ηDHW                 | 125 %      |  |
| COP                             | 3.10       |  |
|                                 |            |  |
| Heating up time                 | 1:34 h:min |  |
| Standby power input             | 28.0 W     |  |
| Reference hot water temperature | 52.5 °C    |  |
| Mixed water at 40°C             | 238        |  |