

Subtype DAIKIN ALTHERMA 3 R 7 F 4KW (230L)

| | |
|---------------------|---|
| Certificate Holder | DAIKIN Europe N.V. |
| Address | Zandvoordestraat 300 |
| ZIP | B-8400 |
| City | Oostende |
| Country | BE |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH |
| Subtype title | DAIKIN ALTHERMA 3 R 7 F 4KW (230L) |
| Registration number | 011-1W0366 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R32 |
| Mass of Refrigerant | 1.5 kg |
| Certification Date | 09.04.2020 |
| Testing basis | HP KEYMARK certification scheme rules rev. 14 |
| Testing laboratory | Universität Stuttgart, Prüfstelle HLK am Institut für Gebäudeenergetik, Thermotechnik und Energiespeicherung (IGTE), DE |

Model ERGA04EV7 / EHVH04S23E6V

| | |
|-------------------------------------|--------------------------|
| Model name | ERGA04EV7 / EHVH04S23E6V |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Cooling mode application (optional) | n/a |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.57 |
| Heating up time | 1:47 h:min |
| Standby power input | 30.8 W |
| Reference hot water temperature | 52.0 °C |
| Mixed water at 40°C | 288 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.36 kW | 4.90 kW |
| El input | 0.83 kW | 1.85 kW |
| COP | 5.23 | 2.65 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.36 kW | |
| Cooling capacity | 4.52 | |
| EER | 3.32 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--------------------------|-----------------|--------------------|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |

| | | |
|---------------------------|----------|----------|
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |
|---------------------------|----------|----------|

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 192 % | 127 % |
| Prated | 6.0 kW | 6.0 kW |
| SCOP | 4.88 | 3.26 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.2 kW | 5.3 kW |
| COP Tj = -7°C | 3.23 | 1.97 |
| Cdh Tj = -7 °C | 1.00 | 1.0 |
| Pdh Tj = +2°C | 3.7 kW | 3.3 kW |
| COP Tj = +2°C | 4.94 | 3.23 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.2 kW | 3.0 kW |
| COP Tj = +7°C | 6.19 | 4.40 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 3.3 kW | 3.3 kW |
| COP Tj = 12°C | 7.78 | 6.10 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 6.2 kW | 5.3 kW |
| COP Tj = Tbiv | 3.23 | 1.97 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.2 kW | 4.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.37 |
| 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 | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.8 kW | 2.0 kW |
| Annual energy consumption Qhe | 2538 kWh | 3806 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|----------------|------------|-------------|
| Pdesignc | 4.50 kW | |
| SEER | 5.66 | |
| Pdc Tj = 35°C | 4.52 kW | |
| EER Tj = 35°C | 3.32 | |
| Pdc Tj = 30°C | 3.14 kW | |
| EER Tj = 30°C | 5.11 | |
| Cdc Tj = 30 °C | 1.0 | |

| | |
|-------------------------------|---------|
| Pdc Tj = 25°C | 2.43 kW |
| EER Tj = 25°C | 6.69 |
| Cdc Tj = 25 °C | 1.0 |
| Pdc Tj = 20°C | 2.50 kW |
| EER Tj = 20°C | 8.24 |
| Cdc Tj = 20 °C | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | 0 W |
| Annual energy consumption Qce | 480 kWh |

Model ERGA04EV7 / EHVX04S23E3V

| | |
|-------------------------------------|--------------------------|
| Model name | ERGA04EV7 / EHVX04S23E3V |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

| | |
|------------------|-------------|
| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

EN 16147 | Average Climate

| | |
|---------------------------------|------------|
| Declared load profile | XL |
| Efficiency η_{DHW} | 106 % |
| COP | 2.60 |
| Heating up time | 1:47 h:min |
| Standby power input | 26.8 W |
| Reference hot water temperature | 52.0 °C |
| Mixed water at 40°C | 288 l |

EN 14511-4 | Heating

Shutting off the heat transfer medium flow passed

| | |
|-------------------------------|--------|
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

EN 14511-2 | Heating

| | Low temperature | Medium temperature |
|-------------|-----------------|--------------------|
| Heat output | 4.36 kW | 4.90 kW |
| El input | 0.83 kW | 1.85 kW |
| COP | 5.23 | 2.65 |

EN 14511-2 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|------------------|------------|-------------|
| El input | 1.36 kW | |
| Cooling capacity | 4.52 | |
| EER | 3.32 | |

EN 12102-1 | Average Climate

| | Low temperature | Medium temperature |
|--|-----------------|--------------------|
|--|-----------------|--------------------|

| | | |
|---------------------------|----------|----------|
| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 195 % | 129 % |
| Prated | 6.0 kW | 6.0 kW |
| SCOP | 4.96 | 3.29 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.2 kW | 5.3 kW |
| COP Tj = -7°C | 3.23 | 1.97 |
| Cdh Tj = -7 °C | 1.00 | 1.0 |
| Pdh Tj = +2°C | 3.7 kW | 3.3 kW |
| COP Tj = +2°C | 4.94 | 3.23 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.2 kW | 3.0 kW |
| COP Tj = +7°C | 6.19 | 4.40 |
| Cdh Tj = +7 °C | 1.0 | 1.0 |
| Pdh Tj = 12°C | 3.3 kW | 3.3 kW |
| COP Tj = 12°C | 7.78 | 6.10 |
| Cdh Tj = +12 °C | 1.0 | 1.0 |
| Pdh Tj = Tbiv | 6.2 kW | 5.3 kW |
| COP Tj = Tbiv | 3.23 | 1.97 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 5.2 kW | 4.0 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.56 | 1.37 |
| 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 | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.8 kW | 2.0 kW |
| Annual energy consumption Qhe | 2501 kWh | 3769 kWh |

EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---------------|------------|-------------|
| Pdesignc | 4.50 kW | |
| SEER | 5.66 | |
| Pdc Tj = 35°C | 4.52 kW | |
| EER Tj = 35°C | 3.32 | |
| Pdc Tj = 30°C | 3.14 kW | |
| EER Tj = 30°C | 5.11 | |

| | |
|-------------------------------|---------|
| Cdc Tj = 30 °C | 1.0 |
| Pdc Tj = 25°C | 2.43 kW |
| EER Tj = 25°C | 6.69 |
| Cdc Tj = 25 °C | 1.0 |
| Pdc Tj = 20°C | 2.50 kW |
| EER Tj = 20°C | 8.24 |
| Cdc Tj = 20 °C | 1.0 |
| Poff | 10 W |
| PTO | 10 W |
| PSB | 10 W |
| PCK | 0 W |
| Annual energy consumption Qce | 480 kWh |

Model ERGA04EV7 / EHVX04S23E6V(G)

| | |
|-------------------------------------|-----------------------------|
| Model name | ERGA04EV7 / EHVX04S23E6V(G) |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

General data

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| Power supply | 1x230V 50Hz |
| Off-peak product | n/a |

Outdoor Air/Water

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| Declared load profile | XL |
| Efficiency η_{DHW} | 105 % |
| COP | 2.57 |
| Heating up time | 1:47 h:min |
| Standby power input | 30.8 W |
| Reference hot water temperature | 52.0 °C |
| Mixed water at 40°C | 288 l |

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| | Low temperature | Medium temperature |
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| Heat output | 4.36 kW | 4.90 kW |
| El input | 0.83 kW | 1.85 kW |
| COP | 5.23 | 2.65 |

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|------------------|------------|-------------|
| El input | 1.36 kW | |
| Cooling capacity | 4.52 | |
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| Sound power level indoor | 42 dB(A) | 42 dB(A) |
| Sound power level outdoor | 58 dB(A) | 58 dB(A) |

EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|-----------------|--------------------|
| η_s | 195 % | 129 % |
| Prated | 6.0 kW | 6.0 kW |
| SCOP | 4.96 | 3.29 |
| Tbiv | -7 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.2 kW | 5.3 kW |
| COP Tj = -7°C | 3.23 | 1.97 |
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| COP Tj = +2°C | 4.94 | 3.23 |
| Cdh Tj = +2 °C | 1.0 | 1.0 |
| Pdh Tj = +7°C | 3.2 kW | 3.0 kW |
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| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.8 kW | 2.0 kW |
| Annual energy consumption Qhe | 2501 kWh | 3769 kWh |

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| Pdesignc | 4.50 kW | |
| SEER | 5.66 | |
| Pdc Tj = 35°C | 4.52 kW | |
| EER Tj = 35°C | 3.32 | |
| Pdc Tj = 30°C | 3.14 kW | |
| EER Tj = 30°C | 5.11 | |

| | |
|-------------------------------|---------|
| Cdc Tj = 30 °C | 1.0 |
| Pdc Tj = 25°C | 2.43 kW |
| EER Tj = 25°C | 6.69 |
| Cdc Tj = 25 °C | 1.0 |
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| EER Tj = 20°C | 8.24 |
| Cdc Tj = 20 °C | 1.0 |
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