## Subtype DAIKIN ALTHERMA 4 H W+F 08-10 kW 180L (3ph)

| | |
|---|---|
| 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 4 H W+F 08-10 kW 180L (3ph) |
| Registration number | 011-1W0929 |
| Heat Pump Type | Outdoor Air/Water |
| Refrigerant | R290 |
| Mass of Refrigerant | 1 kg |
| Certification Date | 05.12.2024 |
| Testing basis | HP KEYMARK certification scheme rules rev. 14 |

| Model EPSK08AW1 / EPBX10A(4V/9W) | |
|---|---|
| Model name | EPSK08AW1 / EPBX10A(4V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 7.62 kW | 7.85 kW |
| El input | 1.52 kW | 2.3 kW |
| COP | 5.01 | 3.42 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 1.85 kW | |
| Cooling capacity | 6.89 | |
| EER | 3.73 | |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 45 dB(A) | 45 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 202 % | 155 % |
| Prated | 7.50 kW | 7.50 kW |
| SCOP | 5.14 | 3.96 |

| | | |
|---|---|---|
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.70 kW | 6.60 kW |
| COP Tj = -7°C | 3.40 | 2.64 |
| Cdh Tj = -7 °C | 1.000 | |
| Pdh Tj = +2°C | 4.00 kW | 4.10 kW |
| COP Tj = +2°C | 5.06 | 3.92 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 2.70 kW | 2.60 kW |
| COP Tj = +7°C | 6.43 | 4.80 |
| Cdh Tj = +7 °C | 0.900 | 1.000 |
| Pdh Tj = 12°C | 2.90 kW | 2.80 kW |
| COP Tj = 12°C | 8.23 | 6.45 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.40 kW | 6.59 kW |
| COP Tj = Tbiv | 2.97 | 2.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.40 kW | 6.72 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.97 | 2.10 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 29 W | 29 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.80 kW |
| Annual energy consumption Qhe | 3017 kWh | 3929 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 6.8 kW | |
| SEER | 5.26 | |
| Pdc Tj = 35°C | 6.91 kW | |
| EER Tj = 35°C | 3.76 | |
| Pdc Tj = 30°C | 5.23 kW | |
| EER Tj = 30°C | 5.05 | |
| Cdc Tj = 30 °C | 0.97 | |
| Pdc Tj = 25°C | 3.2 kW | |
| EER Tj = 25°C | 6.68 | |
| Cdc Tj = 25 °C | 0.94 | |
| Pdc Tj = 20°C | 6.7 kW | |
| EER Tj = 20°C | 6.01 | |
| Cdc Tj = 20 °C | 0.97 | |

| | |
|---|---|
| Poff | 23 W |
| PTO | 29 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 776 kWh |

| Model EPSK10AW1 / EPBX10A(4V/9W) | |
|---|---|
| Model name | EPSK10AW1 / EPBX10A(4V/9W) |
| Application | Heating (medium temp) |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water | |
|---|---|
| EN 14511-4 \| Heating | |
| Shutting off the heat transfer medium flow | passed |
| Complete power supply failure | passed |
| Defrost test | passed |
| Starting and operating test | passed |

| EN 14511-2 \| Heating | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Heat output | 8.11 kW | 8.4 kW |
| El input | 1.64 kW | 2.46 kW |
| COP | 4.94 | 3.41 |

| EN 14511-2 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| El input | 2.17 kW | |
| Cooling capacity | 7.84 | |
| EER | 3.62 | |

| EN 12102-1 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

| EN 14825 \| Average Climate | | |
|---|---|---|
| | Low temperature | Medium temperature |
| ηs | 203 % | 157 % |
| Prated | 8.50 kW | 8.50 kW |
| SCOP | 5.14 | 4.02 |

| | | |
|---|---|---|
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.50 kW | 7.40 kW |
| COP Tj = -7°C | 3.31 | 2.62 |
| Cdh Tj = -7 °C | 1.000 | |
| Pdh Tj = +2°C | 4.60 kW | 4.70 kW |
| COP Tj = +2°C | 5.07 | 3.98 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 2.90 kW | 2.90 kW |
| COP Tj = +7°C | 6.48 | 4.93 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |
| Pdh Tj = 12°C | 2.90 kW | 2.80 kW |
| COP Tj = 12°C | 8.30 | 6.52 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.30 kW | 7.43 kW |
| COP Tj = Tbiv | 2.84 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW | 6.72 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.84 | 2.10 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 29 W | 29 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 1.80 kW |
| Annual energy consumption Qhe | 3415 kWh | 4403 kWh |

| EN 14825 \| Cooling | | |
|---|---|---|
| | +7°C/+12°C | +18°C/+23°C |
| Pdesignc | 7.9 kW | |
| SEER | 5.23 | |
| Pdc Tj = 35°C | 7.84 kW | |
| EER Tj = 35°C | 3.62 | |
| Pdc Tj = 30°C | 5.97 kW | |
| EER Tj = 30°C | 4.87 | |
| Cdc Tj = 30 °C | 0.98 | |
| Pdc Tj = 25°C | 3.75 kW | |
| EER Tj = 25°C | 6.53 | |
| Cdc Tj = 25 °C | 0.95 | |
| Pdc Tj = 20°C | 6.7 kW | |
| EER Tj = 20°C | 6.05 | |
| Cdc Tj = 20 °C | 0.97 | |

| | |
|---|---|
| Poff | 23 W |
| PTO | 29 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 907 kWh |

| Model EPSK08AW1 / EPVX10S18A(4V/9W) | |
|---|---|
| Model name | EPSK08AW1 / EPVX10S18A(4V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water<br>EN 16147 \| Average Climate | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116.3 % |
| COP | 2.91 |
| Heating up time | 1:13 h:min |
| Standby power input | 43.9 W |
| Reference hot water temperature | 47 °C |
| Mixed water at 40°C | 203.6 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 | 7.62 kW | 7.85 kW |
| El input | 1.52 kW | 2.3 kW |
| COP | 5.01 | 3.42 |

| EN 14511-2 \| Cooling | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| El input | 1.85 kW | |
| Cooling capacity | 6.89 | |
| EER | 3.73 | |

| EN 12102-1 \| Average Climate |
|---|

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 45 dB(A) | 45 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 202 % | 155 % |
| Prated | 7.50 kW | 7.50 kW |
| SCOP | 5.14 | 3.96 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 6.70 kW | 6.60 kW |
| COP Tj = -7°C | 3.40 | 2.64 |
| Cdh Tj = -7 °C | 1.000 | |
| Pdh Tj = +2°C | 4.00 kW | 4.10 kW |
| COP Tj = +2°C | 5.06 | 3.92 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 2.70 kW | 2.60 kW |
| COP Tj = +7°C | 6.43 | 4.80 |
| Cdh Tj = +7 °C | 0.900 | 1.000 |
| Pdh Tj = 12°C | 2.90 kW | 2.80 kW |
| COP Tj = 12°C | 8.23 | 6.45 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 7.40 kW | 6.59 kW |
| COP Tj = Tbiv | 2.97 | 2.64 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 7.40 kW | 6.72 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.97 | 2.10 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 29 W | 29 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 0.80 kW |
| Annual energy consumption Qhe | 3017 kWh | 3929 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 6.8 kW | |
| SEER | 5.26 | |
| Pdc Tj = 35°C | 6.91 kW | |
| EER Tj = 35°C | 3.76 | |

| | |
|---|---|
| Pdc Tj = 30°C | 5.23 kW |
| EER Tj = 30°C | 5.05 |
| Cdc Tj = 30 °C | 0.97 |
| Pdc Tj = 25°C | 3.2 kW |
| EER Tj = 25°C | 6.68 |
| Cdc Tj = 25 °C | 0.94 |
| Pdc Tj = 20°C | 6.7 kW |
| EER Tj = 20°C | 6.01 |
| Cdc Tj = 20 °C | 0.97 |
| Poff | 23 W |
| PTO | 29 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 776 kWh |

| Model EPSK10AW1 / EPVX10S18A(4V/9W) | |
|---|---|
| Model name | EPSK10AW1 / EPVX10S18A(4V/9W) |
| Application | Heating + DHW + low temp |
| Units | Indoor, Outdoor |
| Climate zone (for heating) | n/a |
| Heat Source | Outdoor Air |
| Reversibility | Yes |
| Cooling mode application (optional) | +7°C/12°C |
| Any additional heat sources | n/a |

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

| Outdoor Air/Water<br>EN 16147 \| Average Climate | |
|---|---|
| Declared load profile | L |
| Efficiency ηDHW | 116.3 % |
| COP | 2.91 |
| Heating up time | 1:13 h:min |
| Standby power input | 43.9 W |
| Reference hot water temperature | 47 °C |
| Mixed water at 40°C | 203.6 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 | 8.11 kW | 8.4 kW |
| El input | 1.64 kW | 2.46 kW |
| COP | 4.94 | 3.41 |

| EN 14511-2 \| Cooling | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| El input | 2.17 kW | |
| Cooling capacity | 7.84 | |
| EER | 3.62 | |

| EN 12102-1 \| Average Climate |
|---|

| | Low temperature | Medium temperature |
|---|---|---|
| Sound power level indoor | 45 dB(A) | 45 dB(A) |
| Sound power level outdoor | 47 dB(A) | 47 dB(A) |

## EN 14825 | Average Climate

| | Low temperature | Medium temperature |
|---|---|---|
| ηs | 203 % | 157 % |
| Prated | 8.50 kW | 8.50 kW |
| SCOP | 5.14 | 4.02 |
| Tbiv | -10 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 7.50 kW | 7.40 kW |
| COP Tj = -7°C | 3.31 | 2.62 |
| Cdh Tj = -7 °C | 1.000 | |
| Pdh Tj = +2°C | 4.60 kW | 4.70 kW |
| COP Tj = +2°C | 5.07 | 3.98 |
| Cdh Tj = +2 °C | 1.000 | 1.000 |
| Pdh Tj = +7°C | 2.90 kW | 2.90 kW |
| COP Tj = +7°C | 6.48 | 4.93 |
| Cdh Tj = +7 °C | 1.000 | 1.000 |
| Pdh Tj = 12°C | 2.90 kW | 2.80 kW |
| COP Tj = 12°C | 8.30 | 6.52 |
| Cdh Tj = +12 °C | 0.900 | 0.900 |
| Pdh Tj = Tbiv | 8.30 kW | 7.43 kW |
| COP Tj = Tbiv | 2.84 | 2.62 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 8.30 kW | 6.72 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.84 | 2.10 |
| Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | | |
| WTOL | 35 °C | 55 °C |
| Poff | 23 W | 23 W |
| PTO | 29 W | 29 W |
| PSB | 23 W | 23 W |
| PCK | 0 W | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 0.00 kW | 1.80 kW |
| Annual energy consumption Qhe | 3415 kWh | 4403 kWh |

## EN 14825 | Cooling

| | +7°C/+12°C | +18°C/+23°C |
|---|---|---|
| Pdesignc | 7.9 kW | |
| SEER | 5.23 | |
| Pdc Tj = 35°C | 7.84 kW | |
| EER Tj = 35°C | 3.62 | |

| | |
|---|---|
| Pdc Tj = 30°C | 5.97 kW |
| EER Tj = 30°C | 4.87 |
| Cdc Tj = 30 °C | 0.98 |
| Pdc Tj = 25°C | 3.75 kW |
| EER Tj = 25°C | 6.53 |
| Cdc Tj = 25 °C | 0.95 |
| Pdc Tj = 20°C | 6.7 kW |
| EER Tj = 20°C | 6.05 |
| Cdc Tj = 20 °C | 0.97 |
| Poff | 23 W |
| PTO | 29 W |
| PSB | 23 W |
| PCK | 0 W |
| Annual energy consumption Qce | 907 kWh |