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| Summary of | Daikin Altherma LT split integrated solar 16 kW 1ph / ROTEX HPSU Reg. Compact H (BIV) 16 kW 1ph No. | | 011- 1W0092 |
|------------------------|---|---------|----------------|
| Certificate Hold | der | | |
| Name | DAIKIN Europe N.V. | | |
| Address | Zandvoordestraat 300 | Zip | B-8400 |
| City | Oostende | Country | Belgium |
| Certification Body | DIN CERTCO Gesellschaft für Konformitätsbewertung mbH | | |
| Subtype title | Daikin Altherma LT split integrated solar 16 kW 1ph / ROTEX HPSU Compact H (BIV) 16 kW 1ph | | |
| Heat Pump Type | Outdoor Air/Water | | |
| Refrigerant | R410A | | |
| Mass of Refrigerant | 3.4 kg | | |
| Certification Date | 21.03.2017 | | |



Model: ERLQ016C*V3 / EHSH16P50B

| Configure model | | |
|-------------------------------------|--------------------------|--|
| Model name | ERLQ016C*V3 / EHSH16P50B | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

| EN 14511-2 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Heat output | 15.34 kW | 14.32 kW | |
| El input | 3.74 kW | 5.64 kW | |
| СОР | 4.10 | 2.51 | |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 66 dB(A) | 66 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 149 % | 125 % |
| Prated | 16.00 kW | 14.00 kW |
| SCOP | 3.80 | 3.27 |
| Tbiv | -4 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.40 kW | 12.60 kW |
| COP Tj = -7°C | 2.33 | 1.85 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 8.62 kW | 7.80 kW |
| COP Tj = +2°C | 3.74 | 3.19 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.74 kW | 4.90 kW |
| COP Tj = +7°C | 6.77 | 4.47 |
| Cdh Tj = +7 °C | 0.94 | 1.00 |





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|---|---------------------------------------|---------------------------------------|
| Pdh Tj = 12°C | 6.50 kW | 5.40 kW |
| COP Tj = 12°C | 8.97 | 6.52 |
| Cdh Tj = +12 °C | 0.92 | 0.90 |
| Pdh Tj = Tbiv | 12.10 kW | 12.60 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.70 kW | 11.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.57 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| РТО | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 8270 kWh | 8978 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 83 % | |
| СОР | 2.11 | |
| Heating up time | 1:20 h:min | |
| Standby power input | 67.4 W | |
| Reference hot water temperature | 45.2 °C | |
| Mixed water at 40°C | 237 I | |

Model: RRLQ016C*V3 / HPSU Compact 516 H

| Configure model | | |
|---|--------------------------|--|
| Model name RRLQ016C*V3 / HPSU Compact 516 H | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility No | | |
| Cooling mode application (optional) n/a | | |

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

Heating

| EN 14511-2 | | | |
|------------------------------------|----------|----------|--|
| Low temperature Medium temperature | | | |
| Heat output | 15.34 kW | 14.32 kW | |
| El input | 3.74 kW | 5.64 kW | |
| СОР | 4.10 | 2.51 | |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 66 dB(A) | 66 dB(A) |

| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 149 % | 125 % |
| Prated | 16.00 kW | 14.00 kW |
| SCOP | 3.80 | 3.27 |
| Tbiv | -4 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.40 kW | 12.60 kW |
| COP Tj = -7°C | 2.33 | 1.85 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 8.62 kW | 7.80 kW |
| COP Tj = +2°C | 3.74 | 3.19 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.74 kW | 4.90 kW |
| COP Tj = +7°C | 6.77 | 4.47 |
| Cdh Tj = +7 °C | 0.94 | 1.00 |





| Pdh Tj = 12°C | 6.50 kW | 5.40 kW |
|---|-------------|-------------|
| COP Tj = 12°C | 8.97 | 6.52 |
| Cdh Tj = +12 °C | 0.92 | 0.90 |
| Pdh Tj = Tbiv | 12.10 kW | 12.60 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.70 kW | 11.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.57 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| РТО | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | o w | o w |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 8270 kWh | 8978 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 83 % | |
| СОР | 2.11 | |
| Heating up time | 1:20 h:min | |
| Standby power input | 67.4 W | |
| Reference hot water temperature | 45.2 °C | |
| Mixed water at 40°C | 237 I | |



Model: ERLQ016C*V3 / EHSHB16P50B

| Configure model | | |
|-------------------------------------|---------------------------|--|
| Model name | ERLQ016C*V3 / EHSHB16P50B | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

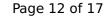
| EN 14511-2 | | |
|-------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Heat output | 15.34 kW | 14.32 kW |
| El input | 3.74 kW | 5.64 kW |
| СОР | 4.10 | 2.51 |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 66 dB(A) | 66 dB(A) |

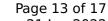
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 149 % | 125 % |
| Prated | 16.00 kW | 14.00 kW |
| SCOP | 3.80 | 3.27 |
| Tbiv | -4 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.40 kW | 12.60 kW |
| COP Tj = -7°C | 2.33 | 1.85 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 8.62 kW | 7.80 kW |
| COP Tj = +2°C | 3.74 | 3.19 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.74 kW | 4.90 kW |
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|---|--|-------------|
| Pdh Tj = 12°C | 6.50 kW | 5.40 kW |
| COP Tj = 12°C | 8.97 | 6.52 |
| Cdh Tj = +12 °C | 0.92 | 0.90 |
| Pdh Tj = Tbiv | 12.10 kW | 12.60 kW |
| COP Tj = Tbiv | 2.56 | 1.84 |
| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.70 kW | 11.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.57 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| РТО | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 8270 kWh | 8978 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 84 % | |
| СОР | 2.14 | |
| Heating up time | 1:20 h:min | |
| Standby power input | 66.1 W | |
| Reference hot water temperature | 45.0 °C | |
| Mixed water at 40°C | 211 | |

Model: RRLQ016C*V3 / HPSU Compact 516 H Biv

| Configure model | | |
|---|--------------------------|--|
| Model name RRLQ016C*V3 / HPSU Compact 516 H Biv | | |
| Application | Heating + DHW + low temp | |
| Units | Indoor + Outdoor | |
| Climate Zone | n/a | |
| Reversibility | No | |
| Cooling mode application (optional) | n/a | |

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

Heating

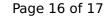
| EN 14511-2 | | | |
|-------------|-----------------|--------------------|--|
| | Low temperature | Medium temperature | |
| Heat output | 15.34 kW | 14.32 kW | |
| El input | 3.74 kW | 5.64 kW | |
| СОР | 4.10 | 2.51 | |

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



| EN 12102-1 | | |
|---------------------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| Sound power level indoor | 39 dB(A) | 39 dB(A) |
| Sound power level outdoor | 66 dB(A) | 66 dB(A) |

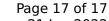
| EN 14825 | | |
|----------------|-----------------|--------------------|
| | Low temperature | Medium temperature |
| η_{s} | 149 % | 125 % |
| Prated | 16.00 kW | 14.00 kW |
| SCOP | 3.80 | 3.27 |
| Tbiv | -4 °C | -7 °C |
| TOL | -10 °C | -10 °C |
| Pdh Tj = -7°C | 12.40 kW | 12.60 kW |
| COP Tj = -7°C | 2.33 | 1.85 |
| Cdh Tj = -7 °C | 1.00 | 1.00 |
| Pdh Tj = +2°C | 8.62 kW | 7.80 kW |
| COP Tj = +2°C | 3.74 | 3.19 |
| Cdh Tj = +2 °C | 1.00 | 1.00 |
| Pdh Tj = +7°C | 5.74 kW | 4.90 kW |
| COP Tj = +7°C | 6.77 | 4.47 |
| Cdh Tj = +7 °C | 0.94 | 1.00 |





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| Pdh Tj = 12°C | 6.50 kW | 5.40 kW |
| COP Tj = 12°C | 8.97 | 6.52 |
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| Pdh Tj = Tbiv | 12.10 kW | 12.60 kW |
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| Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh | 11.70 kW | 11.20 kW |
| COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh | 2.05 | 1.57 |
| WTOL | 35 °C | 55 °C |
| Poff | 50 W | 50 W |
| РТО | 105 W | 105 W |
| PSB | 50 W | 50 W |
| PCK | o w | 0 W |
| Supplementary Heater: Type of energy input | Electricity | Electricity |
| Supplementary Heater: PSUP | 9.00 kW | 9.00 kW |
| Annual energy consumption Qhe | 8270 kWh | 8978 kWh |

Domestic Hot Water (DHW)





| EN 16147 | | |
|---------------------------------|------------|--|
| Declared load profile | XL | |
| Efficiency ηDHW | 84 % | |
| СОР | 2.14 | |
| Heating up time | 1:20 h:min | |
| Standby power input | 66.1 W | |
| Reference hot water temperature | 45.0 °C | |
| Mixed water at 40°C | 211 | |