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Login

Summary of	Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact H (BIV) 14 kW 1ph	Reg. No.	011-1W0091

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		
Subtype title	Daikin Altherma LT split integrated solar 14 kW 1ph / ROTEX HPSU Compact H (BIV) 14 kW 1ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		
Certification Date	30.03.2017		

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Model: ERLQ014C*V3 / EHSH16P50B

Configure model	
Model name	ERLQ014C*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	14.81 kW	12.44 kW
El input	3.47 kW	4.95 kW
COP	4.27	2.49

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

Average Climate

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EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	126 %
Prated	14.50 kW	12.00 kW
SCOP	3.90	3.32
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.90 kW
COP Tj = -7°C	2.63	1.92
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.05 kW	4.60 kW
COP Tj = +7°C	5.71	4.34
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh Tj = +12 °C	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.60 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.63
WTOL	35 °C	55 °C
Poff	50 W	50 W
PTO	105 W	105 W
PSB	50 W	50 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency ηDHW	83 %
COP	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 l

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Model: RRLQ014C*V3 / HPSU Compact 516 H

Configure model	
Model name	RRLQ014C*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	14.81 kW	12.44 kW
El input	3.47 kW	4.95 kW
COP	4.27	2.49

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

Average Climate

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EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	153 %	126 %
Prated	14.50 kW	12.00 kW
SCOP	3.90	3.32
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.90 kW
COP Tj = -7°C	2.63	1.92
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.05 kW	4.60 kW
COP Tj = +7°C	5.71	4.34
Cdh Tj = +7 °C	1.00	1.00

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Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh Tj = +12 °C	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.60 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.63
WTOL	35 °C	55 °C
Poff	50 W	50 W
PTO	105 W	105 W
PSB	50 W	50 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)

Average Climate

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Efficiency ηDHW	83 %
COP	2.11
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Reference hot water temperature	45.2 °C
Mixed water at 40°C	237 l

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Model: ERLQ014C*V3 / EHSHB16P50B

Configure model	
Model name	ERLQ014C*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	14.81 kW	12.44 kW
El input	3.47 kW	4.95 kW
COP	4.27	2.49

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

Average Climate

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EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

EN 14825		
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Prated	14.50 kW	12.00 kW
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Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh Tj = +12 °C	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.63
WTOL	35 °C	55 °C
Poff	50 W	50 W
PTO	105 W	105 W
PSB	50 W	50 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	XL
Efficiency ηDHW	84 %
COP	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 l

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Model: RRLQ014C*V3 / HPSU Compact 516 H Biv

Configure model	
Model name	RRLQ014C*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	14.81 kW	12.44 kW
El input	3.47 kW	4.95 kW
COP	4.27	2.49

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

Average Climate

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WTOL	35 °C	55 °C
Poff	50 W	50 W
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PSB	50 W	50 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)

Average Climate

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