Login

Summary of	Daikin Altherma LT split integrated solar 16 kW 3ph / ROTEX HPSU Compact (BIV) 16 kW 3ph	Reg. No.	011-1W0104

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 16 kW 3ph / ROTEX HPSU Compact (BIV) 16 kW 3ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		
Certification Date	21.03.2017		

Model: ERLQ016C*W1 / EHSX16P50B

Configure model	
Model name	ERLQ016C*W1 / EHSX16P50B
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 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
COP	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

Average Climate

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 %	127 %
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
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	8270 kWh	8978 kWh

Domestic Hot Water (DHW)

Average Climate

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

Model: RRLQ016C*W1 / HPSU Compact 516

Configure model	
Model name	RRLQ016C*W1 / HPSU Compact 516
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	15.34 kW	14.32 kW
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EN 14511-4	
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Complete power supply failure	passed
Starting and operating test	passed

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Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

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Average Climate

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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

Model: RRLQ016C*W1 / HPSU Compact 516 Biv

Configure model	
Model name	RRLQ016C*W1 / HPSU Compact 516 Biv
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

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Power supply	3x400V 50Hz

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