

Login

<u>Logiii</u>			
Summary of	Daikin Altherma LT split integrated solar 14 kW 3ph / ROTEX HPSU Compact (BIV) 14 kW 3ph	Reg. No.	011- 1W0103
Certificate Holo	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 14 kW 3ph / ROTEX HPSU Compact (BIV) 14 kW 3ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		
Certification Date	zation 21.03.2017		



Model: ERLQ014C*W1 / EHSX16P50B

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

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	64 dB(A)	64 dB(A)

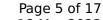
EN 14825		
	Low temperature	Medium temperature
η_{s}	153 %	130 %
Prated	14.50 kW	12.00 kW
SCOP	3.90	3.32
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.90 kW
COP Tj = -7°C	2.63	1.92
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh 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





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
РТО	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)





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	



Model: RRLQ014C*W1 / HPSU Compact 516

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

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	64 dB(A)	64 dB(A)

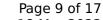
EN 14825		
	Low temperature	Medium temperature
η_{s}	153 %	130 %
Prated	14.50 kW	12.00 kW
SCOP	3.90	3.32
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.90 kW
COP Tj = -7°C	2.63	1.92
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.63
WTOL	35 °C	55 °C
Poff	50 W	50 W
РТО	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)





EN 16147		
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СОР	2.11	
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Standby power input	67.4 W	
Reference hot water temperature	45.2 °C	
Mixed water at 40°C	237	



Model: ERLQ014C*W1 / EHSXB16P50B

Configure model		
Model name	ERLQ014C*W1 / EHSXB16P50B	
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	14.81 kW	12.44 kW	
El input	3.47 kW	4.95 kW	
СОР	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



 $$\operatorname{Page}\ 11$$ of 17 This information was generated by the HP KEYMARK database on 18 Mar 2022

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)

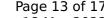
EN 14825		
	Low temperature	Medium temperature
η_{s}	153 %	130 %
Prated	14.50 kW	12.00 kW
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WTOL	35 °C	55 °C
Poff	50 W	50 W
РТО	105 W	105 W
PSB	50 W	50 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\ 13$$ of 17 This information was generated by the HP KEYMARK database on 18 Mar 2022

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: RRLQ014C*W1 / HPSU Compact 516 Biv

Configure model		
Model name	RRLQ014C*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	

General Data		
Power supply	3x400V 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
СОР	4.27	2.49

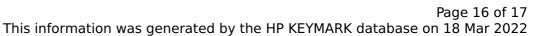
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Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed





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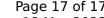
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Supplementary Heater: Type of energy input	Electricity	Electricity
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