

Page 1 of 17

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	Daikin Altherma LT split integrated solar 14 kW 3ph / ROTEX HPSU Compact H (BIV) 14 kW 3ph	Reg. No.	011- 1W0094
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Oostende Country Be	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	CETIAT		
Subtype title	Daikin Altherma LT split integrated solar 14 kW 3ph / ROTEX HPSU Compact H (BIV) 14 kW 3ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.4 kg		
Certification Date	30.03.2017		



Model: ERLQ014C*W1 / EHSH16P50B

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	
Indoor water flow rate	2.55 m³/h	1.53 m³/h	

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		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	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	5.05 kW	4.60 kW
COP Tj = +7°C	5.71	4.34
Cdh	1.00	1.00





	· · · · · · · · · · · · · · · · · · ·	
Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL	12.60 kW	9.80 kW
COP Tj = TOL	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	electrical	electrical
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 H

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-2			
Low temperature Medium temperature		Medium temperature	
Heat output	14.81 kW	12.44 kW	
El input	3.47 kW	4.95 kW	
СОР	4.27	2.49	
Indoor water flow rate	2.55 m³/h	1.53 m³/h	

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



 $$\operatorname{\textit{Page}}\ 7$$ of 17 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1		
Low temperature Medium 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	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	5.05 kW	4.60 kW
COP Tj = +7°C	5.71	4.34
Cdh	1.00	1.00





Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL	12.60 kW	9.80 kW
COP Tj = TOL	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	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)





$$\operatorname{\textit{Page}}\xspace$ 9 of 17 This information was generated by the HP KEYMARK database on 17 Dec 2020

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: ERLQ014C*W1 / EHSHB16P50B

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
Indoor water flow rate	2.55 m³/h	1.53 m³/h

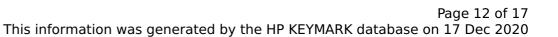
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



 $$\operatorname{\textit{Page}}\ 11$ of 17$$ This information was generated by the HP KEYMARK database on 17 Dec 2020

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)

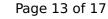
EN 14825		
	Low temperature	Medium temperature
η_{s}	153 %	126 %
Prated	14.50 kW	12.00 kW
SCOP	3.90	3.32
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.90 kW
COP Tj = -7°C	2.63	1.92
Cdh	1.00	1.00
Pdh Tj = +2°C	7.71 kW	6.60 kW
COP Tj = +2°C	4.07	3.30
Cdh	1.00	1.00
Pdh Tj = +7°C	5.05 kW	4.60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





Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL	12.60 kW	9.80 kW
COP Tj = TOL	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	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
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	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 H Biv

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
Indoor water flow rate	2.55 m³/h	1.53 m³/h

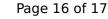
EN 14511-4			
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Starting and operating test	passed		



 $$\operatorname{\textit{Page}}\ 15$$ of 17 This information was generated by the HP KEYMARK database on 17 Dec 2020

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)		

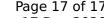
EN 14825				
	Low temperature	Medium temperature		
η_{s}	153 %	126 %		
Prated	14.50 kW	12.00 kW		
SCOP	3.90	3.32		
Tbiv	-5 °C	-7 °C		
TOL	-10 °C	-10 °C		
Pdh Tj = -7°C	10.70 kW	10.90 kW		
COP Tj = -7°C	2.63	1.92		
Cdh	1.00	1.00		
Pdh Tj = +2°C	7.71 kW	6.60 kW		
COP Tj = +2°C	4.07	3.30		
Cdh	1.00	1.00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





Pdh Tj = 12°C	5.16 kW	5.50 kW
COP Tj = 12°C	6.71	6.45
Cdh	0.93	0.90
Pdh Tj = Tbiv	11.60 kW	10.90 kW
COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL	12.60 kW	9.80 kW
COP Tj = TOL	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	o w	0 W
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	7250 kWh	7654 kWh

Domestic Hot Water (DHW)





 $$\operatorname{\textit{Page}}\ 17$$ of 17 This information was generated by the HP KEYMARK database on 17 Dec 2020

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	