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Summary of	Daikin Altherma LT split integrated solar 16 kW 3ph / ROTEX HPSU Compact H (BIV) 16 kW 3ph	Reg. No.	011- 1W0095
Certificate Holder			
Name	DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zip	B-8400
City	Oostende	Dostende Country Belg	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	CETIAT		
Subtype title	Daikin Altherma LT split integrated solar 16 kW 3ph / ROTEX HPSU Compact H (BIV) 16 kW 3ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.4 kg		
Certification Date	30.03.2017		



Model: ERLQ016C*W1 / EHSH16P50B

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	
СОР	4.10	2.51	
Indoor water flow rate	2.64 m³/h	1.76 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
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	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.80 kW
COP Tj = +2°C	3.74	3.19
Cdh	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.90 kW
COP Tj = +7°C	6.77	4.47
Cdh	0.94	1.00





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



Model: RRLQ016C*W1 / HPSU Compact 516 H

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
СОР	4.10	2.51
Indoor water flow rate	2.64 m³/h	1.76 m³/h

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



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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	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	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.80 kW
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Pdh Tj = +7°C	5.74 kW	4.90 kW
COP Tj = +7°C	6.77	4.47
Cdh	0.94	1.00





Pdh Tj = 12°C	6.50 kW	5.40 kW
COP Tj = 12°C	8.97	6.52
Cdh	0.92	0.90
Pdh Tj = Tbiv	12.10 kW	12.60 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	11.70 kW	11.20 kW
COP Tj = TOL	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	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	8270 kWh	8978 kWh

Domestic Hot Water (DHW)





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Declared load profile	XL
Efficiency ηDHW	83 %
СОР	2.11
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Model: ERLQ016C*W1 / EHSHB16P50B

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
СОР	4.10	2.51
Indoor water flow rate	2.64 m³/h	1.76 m³/h

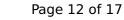
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed



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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	66 dB(A)	66 dB(A)

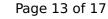
EN 14825		
	Low temperature	Medium temperature
η_{s}	149 %	125 %
Prated	16.00 kW	14.00 kW
SCOP	3.80	3.27
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
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COP Tj = +7°C	6.77	4.47
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	<u> </u>	
Pdh Tj = 12°C	6.50 kW	5.40 kW
COP Tj = 12°C	8.97	6.52
Cdh	0.92	0.90
Pdh Tj = Tbiv	12.10 kW	12.60 kW
COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	11.70 kW	11.20 kW
COP Tj = TOL	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	electrical	electrical
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*W1 / HPSU Compact 516 H Biv

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	
СОР	4.10	2.51	
Indoor water flow rate	2.64 m³/h	1.76 m³/h	

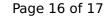
EN 14511-4			
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Starting and operating test	passed		



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	Low temperature	Medium temperature		
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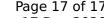
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	Low temperature	Medium temperature
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COP Tj = Tbiv	2.56	1.84
Pdh Tj = TOL	11.70 kW	11.20 kW
COP Tj = TOL	2.05	1.57
WTOL	35 °C	55 °C
Poff	50 W	50 W
РТО	105 W	105 W
PSB	50 W	50 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electrical	electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	8270 kWh	8978 kWh

Domestic Hot Water (DHW)





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