

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

Summary of	Daikin Altherma LT split integrated solar 16 kW 1ph / ROTEX HPSU Compact H (BIV) 16 kW 1ph	Reg. No.	011-1W0092
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		
Name of testing laboratory	CETIAT		
Subtype title	Daikin Altherma LT split integrated solar 16 kW 1ph / ROTEX HPSU Compact H (BIV) 16 kW 1ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.4 kg		
Certification Date	21.03.2017		

Model: ERLQ016C*V3 / ESH16P50B

General Data

Power supply	1x230V 50Hz
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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
Indoor water flow rate	2.64 m ³ /h	1.76 m ³ /h

EN 14511-4

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

Average Climate

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	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

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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 Qhe	8270 kWh	8978 kWh

Domestic Hot Water (DHW)

Average Climate

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

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	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*V3 / HPSU Compact 516 H

General Data

Power supply	1x230V 50Hz
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Standby power input	66.1 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211 l

Model: RRLQ016C*V3 / HPSU Compact 516 H Biv

General Data

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