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

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	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 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		

Disclaimer: this document is a summary of the certified performance.
The authoritative source of this information is the heat pump certificate as executed by the certification body and the related technical data.

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
COP	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

Average Climate

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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
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

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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

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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
COP	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

Average Climate

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	Low temperature	**Medium temperature**
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EN 14825		
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SCOP	3.80	3.27
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
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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
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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

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Mixed water at 40°C	237 l

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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
COP	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

Average Climate

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EN 12102-1

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EN 14825

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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

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EN 16147

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

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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
COP	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

Average Climate

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Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	8270 kWh	8978 kWh

Domestic Hot Water (DHW)

Average Climate

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