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Summary of	Daikin Altherma LT split integrated solar 11 kW 3ph / ROTEX HPSU Compact H (BIV) 11 kW 3ph	Reg. No.	011-1W0093
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		
Subtype title	Daikin Altherma LT split integrated solar 11 kW 3ph / ROTEX HPSU Compact H (BIV) 11 kW 3ph		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		
Certification Date	30.03.2017		

Model: ERLQ011C*W1 / ESH16P50B

Configure model	
Model name	ERLQ011C*W1 / ESH16P50B
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.80 kW	10.21 kW
El input	2.69 kW	3.97 kW
COP	4.38	2.57

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	64 dB(A)	64 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	156 %	125 %
Prated	11.20 kW	10.00 kW
SCOP	3.98	3.29
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.88 kW	9.00 kW
COP Tj = -7°C	2.63	1.94
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.03 kW	5.40 kW
COP Tj = +2°C	4.05	3.30
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.60 kW
COP Tj = +7°C	6.77	4.26
Cdh Tj = +7 °C	0.94	0.90

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Pdh Tj = 12°C	6.50 kW	5.50 kW
COP Tj = 12°C	8.97	6.30
Cdh Tj = +12 °C	0.92	0.90
Pdh Tj = Tbiv	9.09 kW	9.00 kW
COP Tj = Tbiv	2.82	1.94
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.76 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.78
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	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	5380 kWh	6345 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 21 Jun 2022

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: RRLQ011C*W1 / HPSU Compact 516 H

Configure model	
Model name	RRLQ011C*W1 / HPSU Compact 516 H
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.80 kW	10.21 kW
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Starting and operating test	passed

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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	5380 kWh	6345 kWh

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Configure model

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Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
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Heating

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Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	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

Model: RRLQ011C*W1 / HPSU Compact 516 H Biv

Configure model	
Model name	RRLQ011C*W1 / HPSU Compact 516 H Biv
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

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