

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

Summary of	DAIKIN ALTHERMA LT SPLIT / ROTEX HPSU BI-BLOC 16 KW (3PH)		Reg. No.	011-1W0078
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	SP Technical Research Institute of Swede			
Subtype title	DAIKIN ALTHERMA LT SPLIT / ROTEX HPSU BI-BLOC 16 KW (3PH)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410a			
Mass Of Refrigerant	3.4 kg			
Certification Date	31.03.2017			
Testing basis	HP KEYMARK certification scheme rules rev. no. 1.1			

Model: ERLQ016CW1 / EHBH16CB ***General Data**

Power supply	1x230V 50Hz
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Heating**EN 14511-2**

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	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	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh	0.94	1.00

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Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: ERLQ016CW1 / EHBX16CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

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

Average Climate

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	Low temperature	Medium temperature
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EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
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COP Tj = TOL	2.05	1.71
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: ERLQ016CW1 / EHVH16S18CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

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

Average Climate

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

EN 12102-1

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EN 14825

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COP Tj = TOL	2.05	1.71
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WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 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	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: ERLQ016CW1 / EHVH16S26CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	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	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
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Pdh Tj = +2°C	8.62 kW	7.61 kW
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Pdh Tj = TOL	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
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WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 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}	98 %
COP	2.02
Heating up time	1:25 h:min
Standby power input	45.1 W
Reference hot water temperature	50.2 °C
Mixed water at 40°C	338 l

Model: ERLQ016CW1 / EHVX16S18CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	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	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh	0.94	1.00

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COP Tj = 12°C	8.97	6.36
Cdh	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 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	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: ERLQ016CW1 / EHVX16S26CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

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

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh	0.94	1.00

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Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 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}	98 %
COP	2.02
Heating up time	1:25 h:min
Standby power input	45.1 W
Reference hot water temperature	50.2 °C
Mixed water at 40°C	338 l

Model: ERLQ016CW1 / EHVZ16S18CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	15.90 kW	15.04 kW
El input	3.77 kW	5.37 kW
COP	4.22	2.80
Indoor water flow rate	2.75 m ³ /h	1.85 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	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	47 dB(A)	47 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh	0.94	1.00

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Cdh	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 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	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: RRLQ016CW1 / RHBH16CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

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Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: RRLQ016CW1 / RHBX16CB *

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

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COP Tj = +7°C	6.77	4.40
Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Pdh Tj = Tbiv	12.10 kW	12.20 kW

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COP $T_j = T_{biv}$	2.56	1.78
P _{dh} $T_j = TOL$	11.70 kW	13.30 kW
COP $T_j = TOL$	2.05	1.71
C _{dh}	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Q _{he}	8270 kWh	8970 kWh