

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

Summary of	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 5KW (500L)	Reg. No.	011-1W0269
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	IGE Institut für GebäudeEnergetik		
Subtype title	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 5KW (500L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.3 kg		

Model: RBLQ05C2V3 / RKHWMXB500C

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.40 kW	4.20 kW
El input	0.88 kW	1.56 kW
COP	5.00	2.70
Indoor water flow rate	0.76 m ³ /h	0.52 m ³ /h

EN 14511-4

Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	172 %	125 %
Prated	4.40 kW	4.20 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.01 kW	3.60 kW
COP Tj = -7°C	2.90	1.98
Pdh Tj = +2°C	2.40 kW	2.10 kW
COP Tj = +2°C	4.21	3.10
Pdh Tj = +7°C	1.70 kW	2.80 kW
COP Tj = +7°C	5.85	4.27
Pdh Tj = 12°C	2.04 kW	2.70 kW
COP Tj = 12°C	7.71	6.33
Pdh Tj = Tbiv	4.36 kW	4.20 kW

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COP Tj = Tbiv	2.52	1.65
Pdh Tj = TOL	4.36 kW	4.20 kW
COP Tj = TOL	2.52	1.65
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	6 W	6 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2679 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}	99 %
COP	2.41
Heating up time	3:05 h:min
Standby power input	39.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	211 l

Model: RBLQ05C2V3 / RKHWMX500C

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Efficiency η_{DHW}	102 %
COP	2.48
Heating up time	3:05 h:min
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