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Summary of	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 7KW (500L)	Reg. No.	011-1W0271

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 H ECH2O / ROTEX HPSU MONOBLOC COMPACT 7KW (500L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.45 kg		

Model: RBLQ07C2V3 / RKHWMXB500C

Configure model	
Model name	RBLQ07C2V3 / RKHWMXB500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	7.00 kW	6.10 kW
El input	1.55 kW	2.22 kW
COP	4.52	2.75

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

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	62 dB(A)	62 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	163 %	125 %
Prated	7.00 kW	6.10 kW
SCOP	4.14	3.22
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.20 kW	5.50 kW
COP Tj = -7°C	2.57	1.98
Pdh Tj = +2°C	3.77 kW	3.20 kW
COP Tj = +2°C	4.00	3.17
Pdh Tj = +7°C	2.59 kW	3.60 kW
COP Tj = +7°C	5.75	4.20
Pdh Tj = 12°C	2.61 kW	3.40 kW
COP Tj = 12°C	7.27	5.82
Pdh Tj = Tbiv	6.20 kW	5.50 kW

COP Tj = Tbiv	2.57	1.98
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.81 kW	3.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.15	1.74
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	8 W	8 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.19 kW	3.00 kW
Annual energy consumption Qhe	3460 kWh	3906 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	88 %
COP	2.14
Heating up time	2:23 h:min
Standby power input	46.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	211 l

Model: RBLQ07C2V3 / RKHWMX500C

Configure model	
Model name	RBLQ07C2V3 / RKHWMX500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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Defrost test	passed

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EN 16147

Declared load profile	XL
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COP	2.16
Heating up time	2:23 h:min
Standby power input	46.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	237 l

Model: EBLQ07C2V3 / EKHWMXB500C

Configure model	
Model name	EBLQ07C2V3 / EKHWMXB500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

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