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Summary of	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 7KW (300L)		Reg. No.	011-1W0270
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 (300L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	1.45 kg			

Model: RBLQ07C2V3 / RKHWMXB300C

Configure model

Model name	RBLQ07C2V3 / RKHWMXB300C
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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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

This information was generated by the HP KEYMARK database on 18 Mar 2022

COP $T_j = T_{biv}$	2.57	1.98
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	5.81 kW	3.10 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.15	1.74
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	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 Q_{he}	3460 kWh	3906 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	87 %
COP	2.09
Heating up time	1:35 h:min
Standby power input	47.0 W
Reference hot water temperature	48.2 °C
Mixed water at 40°C	155 l

Model: RBLQ07C2V3 / RKHWMX300C

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Units	Indoor + Outdoor
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Cooling mode application (optional)	n/a

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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.

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