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Summary of	ROTEX HPSU MONOBLOC COMPACT 14KW (500L)		Reg. No.	011-1W0273
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	ROTEX HPSU MONOBLOC COMPACT 14KW (500L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3.4 kg			

# Model: RBLQ014CW1 / RKHW16MX500C

## Configure model

Model name	RBLQ014CW1 / RKHW16MX500C
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

### EN 14511-2

	Low temperature	Medium temperature
Heat output	14.50 kW	13.30 kW
El input	3.37 kW	4.91 kW
COP	4.30	2.71

### 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	40 dB(A)	40 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)

### EN 14825

	Low temperature	Medium temperature
$\eta_s$	153 %	123 %
Prated	15.00 kW	13.00 kW
SCOP	3.90	3.16
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.70 kW	10.00 kW
COP Tj = -7°C	2.63	1.76
Pdh Tj = +2°C	7.70 kW	6.80 kW
COP Tj = +2°C	4.07	3.55
Pdh Tj = +7°C	5.10 kW	4.70 kW
COP Tj = +7°C	5.71	4.22
Pdh Tj = 12°C	5.20 kW	5.30 kW
COP Tj = 12°C	6.71	5.44
Pdh Tj = Tbiv	11.60 kW	11.00 kW

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COP $T_j = T_{biv}$	2.83	1.92
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	12.60 kW	12.20 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.60	1.75
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	35 °C	55 °C
P <sub>off</sub>	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	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	0.60 kW
Annual energy consumption $Q_{he}$	7250 kWh	7900 kWh

## Domestic Hot Water (DHW)

### Average Climate

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<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	86 %
COP	2.06
Heating up time	1:36 h:min
Standby power input	78.0 W
Reference hot water temperature	45.2 °C
Mixed water at 40°C	237 l

# Model: RBLQ014CW1 / RKHW16MXB500C

## Configure model

Model name	RBLQ014CW1 / RKHW16MXB500C
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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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

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$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	12.60 kW	12.20 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.60	1.75
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	35 °C	55 °C
P <sub>off</sub>	55 W	55 W
PTO	57 W	57 W
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PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	0.60 kW
Annual energy consumption $Q_{he}$	7250 kWh	7900 kWh

## Domestic Hot Water (DHW)

### Average Climate



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

<b>EN 16147</b>	
Declared load profile	XL
Efficiency $\eta_{DHW}$	86 %
COP	2.05
Heating up time	1:17 h:min
Standby power input	85.0 W
Reference hot water temperature	45.0 °C
Mixed water at 40°C	211 l