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Login

Summary of	ROTEX HPSU MONOBLOC COMPACT 14KW (500L)	Reg. No.	011-1W0273		
Certificate Holder	Certificate Holder				
Name	Name DAIKIN Europe N.V.				
Address	Zandvoordestraat 300	Zip	B-8400		
City	Oostende	Country	Belgium		
Certification Body	ation 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	

Heating

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	

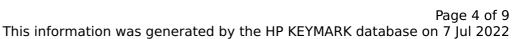
EN 14511-2		
	Low temperature	Medium temperature
Heat output	14.50 kW	13.30 kW
El input	3.37 kW	4.91 kW
СОР	4.30	2.71

Average Climate



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
η_{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





COP Tj = Tbiv	2.83	1.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.60 kW	12.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.60	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
РТО	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 Qhe	7250 kWh	7900 kWh

Domestic Hot Water (DHW)

Average Climate





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EN 16147	
Declared load profile	XL
Efficiency ηDHW	86 %
СОР	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

Model: RBLQ014CW1 / RKHW16MXB500C

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Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

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

EN 14511-2				
	Low temperature	Medium temperature		
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El input	3.37 kW	4.91 kW		
СОР	4.30	2.71		

Average Climate



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EN 14825				
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WTOL	35 °C	55 °C
Poff	55 W	55 W
РТО	57 W	57 W
PSB	55 W	55 W
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.90 kW	0.60 kW
Annual energy consumption Qhe	7250 kWh	7900 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147			
Declared load profile	XL		
Efficiency ηDHW	86 %		
СОР	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		