

Page 1 of 9

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Login

Summary of	ROTEX HPSU MONOBLOC COMPACT 16KW (500L)	Reg. No.	011-1W0274		
Certificate Holder	Certificate Holder				
Name	DAIKIN Europe N.V.				
Address	Zandvoordestraat 300	Zip	B-8400		
City	Oostende	Country	Belgium		
Certification Body	cation Body DIN CERTCO Gesellschaft für Konformitätsbewertung mbH				
Subtype title	ROTEX HPSU MONOBLOC COMPACT 16KW (500L)				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	R410A				
Mass of Refrigerant	3.4 kg				

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Model: RBLQ016CW1 / RKHW16MX500C

Configure model		
Model name	RBLQ016CW1 / 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	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
СОР	4.26	2.80

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}	149 %	119 %
Prated	16.00 kW	14.00 kW
SCOP	3.80	3.06
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Pdh Tj = +2°C	8.60 kW	7.60 kW
COP Tj = +2°C	3.74	3.12
Pdh Tj = +7°C	5.70 kW	4.80 kW
COP Tj = +7°C	6.77	4.40
Pdh Tj = 12°C	6.50 kW	5.40 kW
COP Tj = 12°C	8.97	6.36
Pdh Tj = Tbiv	12.10 kW	12.20 kW
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COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
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	4.40 kW	0.90 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate





 $$\operatorname{\textit{Page}}\xspace\:5\:\:\text{of}\:9\:$ This information was generated by the HP KEYMARK database on 7 Jul 2022

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

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Model: RBLQ016CW1 / RKHW16MXB500C

Configure model		
Model name	RBLQ016CW1 / 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	

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	

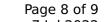
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El input	3.76 kW	5.37 kW		
СОР	4.26	2.80		

Average Climate



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EN 14825				
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Annual energy consumption Qhe	8270 kWh	8970 kWh		

Domestic Hot Water (DHW)

Average Climate





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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	