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Login

Summary of	ROTEX HPSU MONOBLOC COMPACT 16KW (500L)	Reg. No.	011-1W0274
Certificate Holder			
Name	Name DAIKIN Europe N.V.		
Address	Zandvoordestraat 300	Zandvoordestraat 300 Zip B-8400	
City	Oostende	Country	Belgium
Certification 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		



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 14511-2		
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

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
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 = $+7^{\circ}$ 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





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: 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 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
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СОР	4.26	2.80

EN 14511-4		
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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	

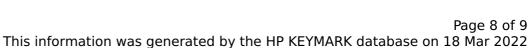
Average Climate



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EN 14825			
	Low temperature	Medium temperature	
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This information was general	ted by the fit RETINA	TR database on 10 Mai 2022
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
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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)

CEN heat pump KEYMARK

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	