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Login

Summary of	ROTEX HPSU MONOBLOC COMPACT 11KW (500L)	Reg. No.	011-1W0272	
Certificate Holder				
Name	DAIKIN Europe N.V.			
Address	Zandvoordestraat 300 Zip B-840		B-8400	
City	Oostende	Country	Belgium	
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH			
Subtype title	ROTEX HPSU MONOBLOC COMPACT 11KW (500L)			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	3.4 kg			



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Model: RBLQ011CW1 / RKHW16MX500C

Configure model		
Model name	RBLQ011CW1 / 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	

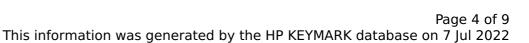
EN 14511-2		
	Low temperature	Medium temperature
Heat output	11.20 kW	10.76 kW
El input	2.43 kW	3.97 kW
СОР	4.60	2.71

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}	156 %	120 %
Prated	11.00 kW	10.00 kW
SCOP	3.98	3.09
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	8.90 kW	8.80 kW
COP Tj = -7°C	2.63	1.99
Pdh Tj = +2°C	6.00 kW	5.30 kW
COP Tj = +2°C	4.05	3.24
Pdh Tj = +7°C	5.70 kW	4.50 kW
COP Tj = +7°C	6.77	4.31
Pdh Tj = 12°C	6.50 kW	5.40 kW
COP Tj = 12°C	8.97	6.41
Pdh Tj = Tbiv	9.10 kW	8.80 kW





COP Tj = Tbiv	2.82	1.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	8.80 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.79
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	2.40 kW	0.90 kW
Annual energy consumption Qhe	5380 kWh	6260 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

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Model name	RBLQ011CW1 / RKHW16MXB500C	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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Power supply	3x400V 50Hz	

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Complete power supply failure	passed
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Average Climate



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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		