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Summary of	ROTEX HPSU MONOBLOC COMPACT 16KW (500L)	Reg. No.	011-1W0274
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		
Name of testing laboratory	boratory IGE Institut für GebäudeEnergetik		
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

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
Indoor water flow rate	2.75 m³/h	1.85 m³/h

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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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
$\eta_{s}$	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	11.70 kW	13.30 kW
COP Tj = TOL	2.05	1.71
Cdh	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	Electrical	Electrical
Supplementary Heater: PSUP	4.40 kW	0.90 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)





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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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Indoor water flow rate	2.75 m³/h	1.85 m³/h

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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	

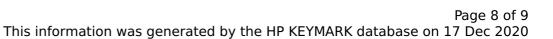


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Declared load profile	XL	
Efficiency ηDHW	86 %	
СОР	2.05	
Heating up time	1:17 h:min	
Standby power input	85.0 W	
Reference hot water temperature	45.0 °C	
Mixed water at 40°C	211	