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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		
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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	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°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 $T_j = T_{biv}$	2.56	1.78
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	11.70 kW	13.30 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.05	1.71
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	55 W	55 W
PTO	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 Q_{he}	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	86 %
COP	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 l

Model: RBLQ016CW1 / RKHW16MXB500C

Configure model

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

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EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	86 %
COP	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 l