This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	ROTEX HPSU MONOBLOC COMPACT 11KW (500L)	Reg. No.	011-1W0272
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	IGE Institut für GebäudeEnergetik		
Subtype title	ROTEX HPSU MONOBLOC COMPACT 11KW (500L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	3.4 kg		

Model: RBLQ011CW1 / RKHW16MX500C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	10.76 kW
El input	2.43 kW	3.97 kW
COP	4.60	2.71
Indoor water flow rate	1.93 m³/h	1.32 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

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	8.80 kW	9.10 kW
COP Tj = TOL	2.34	1.79
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	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	Electrical	Electrical
Supplementary Heater: PSUP	2.40 kW	0.90 kW
Annual energy consumption Qhe	5380 kWh	6260 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	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: RBLQ011CW1 / RKHW16MXB500C

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	11.20 kW	10.76 kW
El input	2.43 kW	3.97 kW
COP	4.60	2.71
Indoor water flow rate	1.93 m³/h	1.32 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

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	8.80 kW	9.10 kW
COP Tj = TOL	2.34	1.79
Cdh	1.00	1.00
WTOL	35 °C	55 °C
Poff	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	Electrical	Electrical
Supplementary Heater: PSUP	2.40 kW	0.90 kW
Annual energy consumption Qhe	5380 kWh	6260 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency ηDHW	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