This information was generated by the HP KEYMARK database on 21 Jun 2022

Login

Summary of	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 5KW (500L)	Reg. No.	011-1W0269

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	DAIKIN ALTHERMA H ECH2O / ROTEX HPSU MONOBLOC COMPACT 5KW (500L)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.3 kg		

Model: RBLQ05C2V3 / RKHWMXB500C

Configure model	
Model name	RBLQ05C2V3 / RKHWMXB500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 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	4.40 kW	4.20 kW
El input	0.88 kW	1.56 kW
COP	5.00	2.70

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	172 %	125 %
Prated	4.40 kW	4.20 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.01 kW	3.60 kW
COP Tj = -7°C	2.90	1.98
Pdh Tj = +2°C	2.40 kW	2.10 kW
COP Tj = +2°C	4.21	3.10
Pdh Tj = +7°C	1.70 kW	2.80 kW
COP Tj = +7°C	5.85	4.27
Pdh Tj = 12°C	2.04 kW	2.70 kW
COP Tj = 12°C	7.71	6.33
Pdh Tj = Tbiv	4.36 kW	4.20 kW

COP Tj = Tbiv	2.52	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	6 W	6 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2679 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	99 %
COP	2.41
Heating up time	3:05 h:min
Standby power input	39.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	211 l

Model: RBLQ05C2V3 / RKHWMX500C

Configure model	
Model name	RBLQ05C2V3 / RKHWMX500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 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	4.40 kW	4.20 kW
El input	0.88 kW	1.56 kW
COP	5.00	2.70

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	172 %	125 %
Prated	4.40 kW	4.20 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.01 kW	3.60 kW
COP Tj = -7°C	2.90	1.98
Pdh Tj = +2°C	2.40 kW	2.10 kW
COP Tj = +2°C	4.21	3.10
Pdh Tj = +7°C	1.70 kW	2.80 kW
COP Tj = +7°C	5.85	4.27
Pdh Tj = 12°C	2.04 kW	2.70 kW
COP Tj = 12°C	7.71	6.33
Pdh Tj = Tbiv	4.36 kW	4.20 kW

COP Tj = Tbiv	2.52	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	6 W	6 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2679 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	102 %
COP	2.48
Heating up time	3:05 h:min
Standby power input	39.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	237 l

Model: EBLQ05C2V3 / EKHWMXB500C

Configure model	
Model name	EBLQ05C2V3 / EKHWMXB500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 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	4.40 kW	4.20 kW
El input	0.88 kW	1.56 kW
COP	5.00	2.70

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	172 %	125 %
Prated	4.40 kW	4.20 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.01 kW	3.60 kW
COP Tj = -7°C	2.90	1.98
Pdh Tj = +2°C	2.40 kW	2.10 kW
COP Tj = +2°C	4.21	3.10
Pdh Tj = +7°C	1.70 kW	2.80 kW
COP Tj = +7°C	5.85	4.27
Pdh Tj = 12°C	2.04 kW	2.70 kW
COP Tj = 12°C	7.71	6.33
Pdh Tj = Tbiv	4.36 kW	4.20 kW

COP Tj = Tbiv	2.52	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	6 W	6 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2679 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	99 %
COP	2.41
Heating up time	3:05 h:min
Standby power input	39.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	211 l

Model: EBLQ05C2V3 / EKHWMX500C

Configure model	
Model name	EBLQ05C2V3 / EKHWMX500C
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 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	4.40 kW	4.20 kW
El input	0.88 kW	1.56 kW
COP	5.00	2.70

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	42 dB(A)	42 dB(A)
Sound power level outdoor	61 dB(A)	61 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	172 %	125 %
Prated	4.40 kW	4.20 kW
SCOP	4.39	3.20
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.01 kW	3.60 kW
COP Tj = -7°C	2.90	1.98
Pdh Tj = +2°C	2.40 kW	2.10 kW
COP Tj = +2°C	4.21	3.10
Pdh Tj = +7°C	1.70 kW	2.80 kW
COP Tj = +7°C	5.85	4.27
Pdh Tj = 12°C	2.04 kW	2.70 kW
COP Tj = 12°C	7.71	6.33
Pdh Tj = Tbiv	4.36 kW	4.20 kW

COP Tj = Tbiv	2.52	1.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.36 kW	4.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.52	1.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	8 W	8 W
PTO	6 W	6 W
PSB	8 W	8 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2040 kWh	2679 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147

Declared load profile	XL
Efficiency ηDHW	102 %
COP	2.48
Heating up time	3:05 h:min
Standby power input	39.0 W
Reference hot water temperature	48.0 °C
Mixed water at 40°C	237 l