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Login

Summary of	DAIKIN ALTHERMA HT SPLIT 16kW	Reg. No.	011-1W0258
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 HT SPLIT 16kW		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	4.5 kg		
Certification Date	12.06.2018		

Model: ERSQ016AY1 / EKHBRD016ADY17

Configure model	
Model name	ERSQ016AY1 / EKHBRD016ADY17
Application	Heating (medium 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	16.00 kW	16.00 kW
El input	4.31 kW	5.22 kW
COP	3.72	3.06

Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	112 %	117 %
Prated	16.00 kW	15.00 kW
SCOP	2.88	3.01
Tbiv	-5 °C	-6 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.10 kW
COP Tj = -7°C	2.45	2.11
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	8.54 kW
COP Tj = +2°C	2.94	3.01
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	8.03 kW	5.39 kW
COP Tj = +7°C	3.84	4.26
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	8.05 kW	4.68 kW
COP Tj = 12°C	4.29	4.67
Cdh Tj = +12 °C	1.00	0.94
Pdh Tj = Tbiv	12.60 kW	12.60 kW
COP Tj = Tbiv	2.52	2.16

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	11.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.38	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	59 W	59 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.99 kW	3.10 kW
Annual energy consumption Qhe	10778 kWh	10278 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	60 dB(A)	60 dB(A)
Sound power level outdoor	71 dB(A)	71 dB(A)

Model: ERSQ016AV1 / EKHBRD016ADV17

Configure model	
Model name	ERSQ016AV1 / EKHBRD016ADV17
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
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		
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General Data	
Power supply	3x400V 50Hz

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