

Page 1 of 13

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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 Konformit	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	DAIKIN ALTHERMA HT SPLIT 16kW	DAIKIN ALTHERMA HT SPLIT 16kW		
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A	R410A		
Mass of Refrigerant	4.5 kg	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	

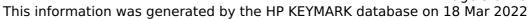
General Data		
Power supply	3x400V 50Hz	

## 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
СОР	3.72	3.06

### **Average Climate**





EN 14825		
	Low temperature	Medium temperature
$\eta_{s}$	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
$COPTj = -7^{\circ}C$	2.45	2.11
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = $+2$ °C	8.62 kW	8.54 kW
$COPTj = +2^{\circ}C$	2.94	3.01
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	8.03 kW	5.39 kW
$COP Tj = +7^{\circ}C$	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
РТО	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		
	Low temperature	Medium temperature
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### **Average Climate**



#### EN 14825 Low temperature **Medium temperature** 112 % 117 % $\eta_s$ Prated 16.00 kW 15.00 kW **SCOP** 2.88 3.01 -5 °C -6 °C Tbiv -10 °C -10 °C TOL Pdh Tj = $-7^{\circ}$ C 12.40 kW 12.10 kW COP Tj = $-7^{\circ}$ C 2.45 2.11 Cdh Tj = -7 $^{\circ}$ C 1.00 1.00 Pdh Tj = $+2^{\circ}$ C 8.62 kW 8.54 kW $COPTj = +2^{\circ}C$ 2.94 3.01 Cdh Tj = +2 °C1.00 1.00 Pdh Tj = $+7^{\circ}$ C 8.03 kW 5.39 kW $COP Tj = +7^{\circ}C$ 3.84 4.26 Cdh Tj = +7 °C 1.00 1.00 Pdh Tj = $12^{\circ}$ C 8.05 kW 4.68 kW 4.29 $COP Tj = 12^{\circ}C$ 4.67 Cdh Tj = +12 °C 1.00 0.94 Pdh Tj = Tbiv12.60 kW 12.60 kW 2.52 COP Tj = Tbiv2.16





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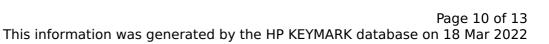
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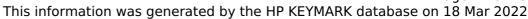
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