Subtype DAIKIN ALTHERMA HT SPLIT 11kW

Certificate Holder	DAIKIN Europe N.V.
Address	Zandvoordestraat 300
ZIP	B-8400
City	Oostende
Country	BE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	DAIKIN ALTHERMA HT SPLIT 11kW
Registration number	011-1W0256
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.5 kg
Certification Date	12.06.2018

Model ERSQ011AY1 / EKHBRD011ADY17

Model name	ERSQ011AY1 / EKHBRD011ADY17
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.20 kW	11.00 kW
El input	2.67 kW	3.19 kW
COP	4.20	3.45

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	59 dB(A)	59 dB(A)
Sound power level outdoor	68 dB(A)	68 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	105 %	115 %
Prated	11.00 kW	10.50 kW
SCOP	2.70	2.96
Tbiv	-7 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.47 kW	9.36 kW
COP Tj = -7°C	2.17	2.25
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	6.60 kW	6.22 kW
COP Tj = +2°C	2.83	3.06
Cdh Tj = +2 °C	1.00	0.97
Pdh Tj = +7°C	8.03 kW	4.54 kW
COP Tj = +7°C	3.84	3.90

Cdh Tj = +7 °C	1.00	0.95
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	9.47 kW	10.50 kW
COP Tj = Tbiv	2.17	2.02
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.58 kW	10.50 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07	2.02
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	1.42 kW	0.00 kW
Annual energy consumption Qhe	7750 kWh	7306 kWh

Model ERSQ011AV1 / EKHBRD011ADV17

Model name	ERSQ011AV1 / EKHBRD011ADV17
Application	Heating (medium temp)
Units	Indoor, Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water

EN 14511-4 | Heating

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2 | Heating

	Low temperature	Medium temperature
Heat output	11.20 kW	11.00 kW
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Supplementary Heater: Type of energy input	Electricity	Electricity
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Annual energy consumption Qhe	7750 kWh	7306 kWh

Model ERRQ011AY1 / EKHBRD011ADY17	
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Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water EN 14511-4 | Heating	
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EN 14511-2 | Heating		
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