

Subtype DAIKIN ALTHERMA HT SPLIT 14kW

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 14kW
Registration number	011-1W0257
Heat Pump Type	Outdoor Air/Water
Refrigerant	R410A
Mass of Refrigerant	4.5 kg
Certification Date	12.06.2018

Model ERSQ014AY1 / EKHBRD014ADY17

Model name	ERSQ014AY1 / EKHBRD014ADY17
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	14.40 kW	14.00 kW
El input	3.87 kW	4.32 kW
COP	3.72	3.24

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	60 dB(A)	60 dB(A)
Sound power level outdoor	69 dB(A)	69 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	110 %	116 %
Prated	14.00 kW	13.00 kW
SCOP	2.81	2.98
Tbiv	-5 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	11.50 kW	11.40 kW
COP Tj = -7°C	2.46	2.15
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	7.54 kW	7.61 kW
COP Tj = +2°C	2.82	3.02
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	8.03 kW	4.53 kW
COP Tj = +7°C	3.84	3.97

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	11.50 kW	11.40 kW
COP Tj = Tbiv	2.54	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.40 kW	11.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.39	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	2.59 kW	1.40 kW
Annual energy consumption Qhe	9583 kWh	9000 kWh

Model ERSQ014AV1 / EKHBRD014ADV17

Model name	ERSQ014AV1 / EKHBRD014ADV17
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

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Complete power supply failure	passed
Defrost test	passed

EN 14511-2 | Heating

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