

This information was generated by the HP KEYMARK database on 22 Jun 2022

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Summary of	DAIKIN ALTHERMA GEO	Reg. No.	011-1W0067
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 GEO		
Heat Pump Type	Brine/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.8 kg		
Certification Date	17.02.2017		
Testing basis	HP KEYMARK certification scheme rules V8		

Model: EGSQH10S18A9W

Configure model

Model name	EGSQH10S18A9W
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data

Power supply	3x400V 50Hz
Off-peak product	No

Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	10.30 kW	8.92 kW
El input	2.38 kW	3.35 kW
COP	4.33	2.66

EN 14511-4

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

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	46 dB(A)	46 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	194 %	139 %
Prated	10.40 kW	8.72 kW
SCOP	5.06	3.68
Tbiv	-9 °C	-9 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.12 kW	7.76 kW
COP Tj = -7°C	4.40	2.91
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	5.77 kW	4.73 kW
COP Tj = +2°C	5.22	3.73
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	3.82 kW	3.04 kW
COP Tj = +7°C	5.55	4.18
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	2.71 kW	2.61 kW

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COP Tj = 12°C	5.55	4.73
Cdh Tj = +12 °C	0.93	0.94
Pdh Tj = Tbiv	10.20 kW	8.46 kW
COP Tj = Tbiv	4.17	2.87
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.10 kW	8.41 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.16	2.80
WTOL	35 °C	55 °C
Poff	20 W	20 W
PTO	37 W	37 W
PSB	20 W	20 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.30 kW	0.31 kW
Annual energy consumption Qhe	4260 kWh	4900 kWh

Domestic Hot Water (DHW)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	93 %
COP	2.28
Heating up time	1:25 h:min
Standby power input	42.0 W
Reference hot water temperature	52.0 °C
Mixed water at 40°C	199 l