Login

Summary of	DAIKIN ALTHERMA 3 GEO 6KW	Reg. No.	011-1W0337
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 3 GEO 6KW		
Heat Pump Type	Brine/Water		
Refrigerant	R32		
Mass of Refrigerant	1.7 kg		
Certification Date	14.06.2019		

Model: EGSAX06D9W(G) (1PH)

Configure model	
Model name	EGSAX06D9W(G) (1PH)
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data	
Power supply	1x230V 50Hz
Off-peak product	No

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.35 kW	3.26 kW
El input	0.74 kW	1.33 kW
COP	4.51	2.45

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

Average Climate

EN 14825

	Low temperature	Medium temperature
η_s	199 %	143 %
Prated	6.00 kW	6.20 kW
SCOP	5.18	3.77
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.57 kW	5.46 kW
COP Tj = -7°C	4.84	3.13
Cdh Tj = -7 °C	0.98	1.00
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.96	1.00
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.00	0.95
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.90	1.00
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	6.44 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.67	2.90
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)

Colder Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	153 %
Prated	6.00 kW	6.20 kW
SCOP	5.19	4.03

Tbiv	-22 °C	-22 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.57 kW	3.75 kW
COP Tj = -7°C	5.34	3.84
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	0.91	0.93
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.90	0.91
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	6.44 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.67	2.90
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	24 W	24 W

PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	0.75 kW	0.49 kW
Cooling capacity	8.13	8.42
EER	10.8	17.13

EN 14825

	+7°C/+12°C	**+18°C/+23°C**
Pdesignc	8.4 kW	8.4 kW
SEER	12.93	13.87
Pdc Tj = 35°C	8.13 kW	8.42 kW
EER Tj = 35°C	10.8	17.13
Pdc Tj = 30°C	6.56 kW	6.13 kW
EER Tj = 30°C	15.17	17.1
Cdc	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42
Cdc	0.94	0.93
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	390 kWh	363 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
COP	2.82
Heating up time	1:43 h:min
Standby power input	26.2 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
COP	2.82
Heating up time	1:43 h:min
Standby power input	26.2 W
Reference hot water temperature	53.0 °C
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Model: EGSAX06D9W(G) (3PH)

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Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C and +18°C/+23°C

General Data	
Power supply	3x400V 50Hz
Off-peak product	No

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.35 kW	3.26 kW
El input	0.74 kW	1.33 kW
COP	4.51	2.45

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

Colder Climate

EN 14825

	Low temperature	Medium temperature
η_s	199 %	152 %
Prated	6.00 kW	6.20 kW
SCOP	5.19	4.03
Tbiv	-22 °C	-22 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.57 kW	3.75 kW
COP Tj = -7°C	5.34	3.84
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	0.91	0.93
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.90	0.91
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90

Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	6.44 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.67	2.90
WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	199 %	143 %
Prated	6.00 kW	6.20 kW
SCOP	5.18	3.77
Tbiv	-10 °C	-10 °C
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Pdh Tj = -7°C	5.57 kW	5.46 kW
COP Tj = -7°C	4.84	3.13

Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	1.00	1.00
Pdh Tj = Tbiv	5.95 kW	6.44 kW
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WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW

Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)

Cooling

EN 14511-2		
	+7°C/+12°C	**+18°C/+23°C**
El input	0.75 kW	0.49 kW
Cooling capacity	8.13	8.42
EER	10.8	17.13

EN 14825

	+7°C/+12°C	**+18°C/+23°C**
Pdesignc	8.4 kW	8.4 kW
SEER	12.93	13.87
Pdc Tj = 35°C	8.13 kW	8.42 kW
EER Tj = 35°C	10.8	17.13
Pdc Tj = 30°C	6.56 kW	6.13 kW
EER Tj = 30°C	15.17	17.1
Cdc	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42
Cdc	0.94	0.93
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Annual energy consumption Qce	390 kWh	363 kWh

Domestic Hot Water (DHW)

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
COP	2.82
Heating up time	1:43 h:min
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Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

Average Climate

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Efficiency ηDHW	117 %
COP	2.82
Heating up time	1:43 h:min
Standby power input	26.2 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

Model: EGSAH06D9W (1PH)

Configure model	
Model name	EGSAH06D9W (1PH)
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz
Off-peak product	No

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	3.35 kW	3.26 kW
El input	0.74 kW	1.33 kW
COP	4.51	2.45

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

Colder Climate

EN 14825

	Low temperature	Medium temperature
η_s	197 %	152 %
Prated	6.00 kW	6.20 kW
SCOP	5.13	4.00
Tbiv	-22 °C	-22 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.57 kW	3.75 kW
COP Tj = -7°C	5.34	3.84
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.17 kW	2.28 kW
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Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.95 kW	6.44 kW
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WTOL	35 °C	55 °C
Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	141 %
Prated	6.00 kW	6.20 kW
SCOP	5.06	3.72
Tbiv	-10 °C	-10 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.57 kW	5.46 kW
COP Tj = -7°C	4.84	3.13

Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	3.35 kW	3.25 kW
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Poff	15 W	15 W
PTO	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	9.00 kW	9.00 kW

Annual energy consumption Qhe	2447 kWh	3447 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	39 dB(A)	39 dB(A)

Domestic Hot Water (DHW)

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
COP	2.82
Heating up time	1:43 h:min
Standby power input	26.2 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

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Model: EGSAH06D9W (3PH)

Configure model	
Model name	EGSAH06D9W (3PH)
Application	Heating + DHW + low temp
Units	Indoor
Climate Zone	Colder Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz
Off-peak product	No

Heating

EN 14511-2		
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Complete power supply failure	passed
Starting and operating test	passed

Colder Climate

EN 14825

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COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.00	1.00
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	1.00	1.00
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Annual energy consumption Qhe	2447 kWh	3447 kWh

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