

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			
Name of testing laboratory	RISE Research Institutes of Sweden AB			
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)

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	
СОР	4.51	2.45	
Indoor water flow rate	0.57 m³/h	0.35 m³/h	

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 %

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- This information was ge		ARK database on 17 Dec 202
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	0.98	1.00
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh	0.96	1.00
Pdh Tj = $+7^{\circ}$ C	2.05 kW	2.24 kW
$COP Tj = +7^{\circ}C$	5.42	4.33
Cdh	1.00	0.95
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh	0.90	1.00
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL	5.95 kW	6.44 kW
COP Tj = TOL	4.67	2.90
WTOL	35 °C	55 °C
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Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
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)	

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





This information was generated by the HP KEYMARK database on 17 Dec 2020			
COP Tj = -7°C	5.34	3.84	
Cdh	1.00	1.00	
Pdh Tj = +2°C	2.17 kW	2.28 kW	
COP Tj = +2°C	5.18	3.84	
Cdh	1.00	1.00	
Pdh Tj = $+7^{\circ}$ C	1.50 kW	1.63 kW	
$COP Tj = +7^{\circ}C$	5.46	4.60	
Cdh	0.91	0.93	
Pdh Tj = 12°C	1.15 kW	1.01 kW	
COP Tj = 12°C	4.73	3.99	
Cdh	0.90	0.91	
Pdh Tj = Tbiv	5.95 kW	6.44 kW	
COP Tj = Tbiv	4.67	2.90	
Pdh Tj = TOL	5.95 kW	6.44 kW	
COP Tj = TOL	4.67	2.90	
WTOL	35 °C	55 °C	
Poff	15 W	15 W	
РТО	24 W	24 W	
PSB	15 W	15 W	
PCK	0 W	o w	
Supplementary Heater: Type of energy input	Electrical	Electrical	
	·		





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
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	390 kWh	363 kWh

Domestic Hot Water (DHW)

Average Climate



EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
СОР	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

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
СОР	2.82
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Model: EGSAX06D9W(G) (3PH)

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

Heating

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	Low temperature	Medium temperature
Heat output	3.35 kW	3.26 kW
El input	0.74 kW	1.33 kW
СОР	4.51	2.45
Indoor water flow rate	0.57 m³/h	0.35 m³/h

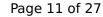
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

EN 14825		
	Low temperature	Medium temperature
η_s	199 %	152 %





The first man ge		ARK database on 17 Dec 202
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	1.00	1.00
Pdh Tj = $+2$ °C	2.17 kW	2.28 kW
$COP Tj = +2^{\circ}C$	5.18	3.84
Cdh	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	1.50 kW	1.63 kW
$COP Tj = +7^{\circ}C$	5.46	4.60
Cdh	0.91	0.93
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh	0.90	0.91
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL	5.95 kW	6.44 kW
COP Tj = TOL	4.67	2.90
WTOL	35 °C	55 °C
	1	1

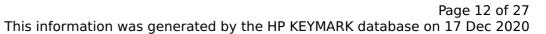




Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

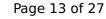
Average Climate

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
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	5.57 kW	5.46 kW
COP Tj = -7°C	4.84	3.13
Cdh	1.00	1.00
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81





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Cdh	1.00	1.00
Pdh Tj = +7°C	2.05 kW	2.24 kW
$COP Tj = +7^{\circ}C$	5.42	4.33
Cdh	1.00	1.00
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL	5.95 kW	6.44 kW
COP Tj = TOL	4.67	2.90
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	0 W	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh



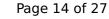


EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

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





The final fi	+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
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Annual energy consumption Qce	390 kWh	363 kWh

Domestic Hot Water (DHW)



EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	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 I	

Average Climate

EN 16147		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	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	



Model: EGSAH06D9W (1PH)

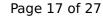
General Data		
Power supply	1x230V 50Hz	
Off-peak product	No	

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	3.35 kW	3.26 kW		
El input	0.74 kW	1.33 kW		
СОР	4.51	2.45		
Indoor water flow rate	0.57 m³/h	0.35 m³/h		

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

EN 14825		
	Low temperature	Medium temperature
η_s	197 %	152 %





		ARK database on 17 Dec 202
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	1.00	1.00
Pdh Tj = $+2$ °C	2.17 kW	2.28 kW
$COP Tj = +2^{\circ}C$	5.18	3.84
Cdh	1.00	1.00
Pdh Tj = $+7^{\circ}$ C	1.50 kW	1.63 kW
$COP Tj = +7^{\circ}C$	5.46	4.60
Cdh	0.91	0.93
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh	0.90	0.91
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL	5.95 kW	6.44 kW
COP Tj = TOL	4.67	2.90
WTOL	35 °C	55 °C
	1	1



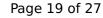


Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

Average Climate

EN 14825		
Low temperature	Medium temperature	
195 %	141 %	
6.00 kW	6.20 kW	
5.06	3.72	
-10 °C	-10 °C	
-22 °C	-22 °C	
5.57 kW	5.46 kW	
4.84	3.13	
1.00	1.00	
3.35 kW	3.25 kW	
5.36	3.81	
	Low temperature 195 % 6.00 kW 5.06 -10 °C -22 °C 5.57 kW 4.84 1.00 3.35 kW	

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- This information was get	Teracea by the Thi RETH	ANN database on 17 Dec 2020
Cdh	1.00	1.00
Pdh Tj = +7°C	2.05 kW	2.24 kW
$COP Tj = +7^{\circ}C$	5.42	4.33
Cdh	1.00	1.00
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh	1.00	1.00
Pdh Tj = Tbiv	5.95 kW	6.44 kW
COP Tj = Tbiv	4.67	2.90
Pdh Tj = TOL	5.95 kW	6.44 kW
COP Tj = TOL	4.67	2.90
WTOL	35 °C	55 °C
Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2447 kWh	3447 kWh



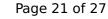
EN 12102-1				
	Low temperature Medium temperature			
Sound power level indoor	39 dB(A)	39 dB(A)		

Domestic Hot Water (DHW)

Colder Climate

EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
СОР	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

Average Climate





EN 16147	
Declared load profile	L
Efficiency ηDHW	117 %
СОР	2.82
Heating up time	1:43 h:min
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Mixed water at 40°C	239



Model: EGSAH06D9W (3PH)

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

Heating

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	Low temperature	Medium temperature	
Heat output	3.35 kW	3.26 kW	
El input	0.74 kW	1.33 kW	
СОР	4.51	2.45	
Indoor water flow rate	0.57 m³/h	0.35 m³/h	

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

EN 14825		
	Low temperature	Medium temperature
η_s	197 %	152 %





Prated	6.00 kW	6.20 kW
SCOP	5.13	4.00
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Cdh	1.00	1.00
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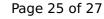


Poff	15 W	15 W
РТО	24 W	24 W
PSB	15 W	15 W
PCK	o w	o w
Supplementary Heater: Type of energy input	Electrical	Electrical
Supplementary Heater: PSUP	9.00 kW	9.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

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COP Tj = TOL	4.67	2.90	
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PCK	0 W	0 W	
Supplementary Heater: Type of energy input	Electrical	Electrical	
Supplementary Heater: PSUP	9.00 kW	9.00 kW	
Annual energy consumption Qhe	2447 kWh	3447 kWh	



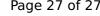
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	Low temperature	Medium temperature
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Domestic Hot Water (DHW)

Colder Climate

EN 16147		
Declared load profile		
Declared load profile	L	
Efficiency ηDHW	117 %	
СОР	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 I	

Average Climate





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