

Subtype DAIKIN ALTHERMA 3 GEO 6KW

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 3 GEO 6KW
Registration number	011-1W0337
Heat Pump Type	Brine/Water
Refrigerant	R32
Mass of Refrigerant	1.7 kg
Certification Date	14.06.2019

Model EGSAH06D9W _1P

Model name	EGSAH06D9W _1P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	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	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2447 kWh	3447 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
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Sound power level indoor 39 dB(A) 39 dB(A)

EN 14825 | Colder Climate

	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	0.980	1.000
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96

Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42
Cdc Tj = 20 °C	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

Model EGSAH06D9W _3P

Model name	EGSAH06D9W _3P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	117 %
COP	2.82
Heating up time	1:43 h:min
Standby power input	26.2 W
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Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
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COP Tj = +7°C	5.42	4.33
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COP Tj = Tbiv	4.67	2.90
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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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2447 kWh	3447 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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Prated	6.00 kW	6.20 kW
SCOP	5.13	4.00
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PSB	15 W	15 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.05 kW	0.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42

Cdc Tj = 20 °C	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

Model EGSAH06UD9W _1P

Model name	EGSAH06UD9W _1P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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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Declared load profile	L
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Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	195 %	141 %
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SCOP	5.06	3.72
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COP Tj = -7°C	4.84	3.13
Cdh Tj = -7 °C	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2447 kWh	3447 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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η_s	197 %	152 %
Prated	6.00 kW	6.20 kW
SCOP	5.13	4.00
Tbiv	-22 °C	-22 °C
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Pdh Tj = +7°C	1.50 kW	1.63 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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2884 kWh	3820 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42

Cdc Tj = 20 °C	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

Model EGSAH06UD9W _3P

Model name	EGSAH06UD9W _3P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	117 %
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Mixed water at 40°C	239 l

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

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COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
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Pdh Tj = 12°C	1.05 kW	0.96 kW
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Supplementary Heater: Type of energy input	Electricity	Electricity
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Model EGSAX06D9W(G) _1P

Model name	EGSAX06D9W(G) _1P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	117 %
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	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	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	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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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	0.980	1.000
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42

Cdc Tj = 20 °C	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

Model EGSAX06D9W(G) _3P

Model name	EGSAX06D9W(G) _3P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	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	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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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	0.980	1.000
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42

Cdc Tj = 20 °C	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

Model EGSAX06UD9W _1P

Model name	EGSAX06UD9W _1P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	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	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
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Sound power level indoor 39 dB(A) 39 dB(A)

EN 14825 | Colder Climate

	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	0.980	1.000
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96

Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42
Cdc Tj = 20 °C	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

Model EGSAX06UD9W _3P

Model name	EGSAX06UD9W _3P
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a

General data

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

Brine/Water

EN 16147 | Average Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 16147 | Colder Climate

Declared load profile	L
Efficiency η_{DHW}	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

EN 14511-4 | Heating

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

EN 14511-2 | Heating

	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 14511-2 | Cooling

	+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 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825 | Average Climate

	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	0.980	1.000
Pdh Tj = +2°C	3.35 kW	3.25 kW
COP Tj = +2°C	5.36	3.81
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	2.05 kW	2.24 kW
COP Tj = +7°C	5.42	4.33
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.05 kW	0.96 kW
COP Tj = 12°C	4.57	3.65
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2393 kWh	3393 kWh

EN 14825 | Colder Climate

	Low temperature	Medium temperature
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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	0.980	1.000
Pdh Tj = +2°C	2.17 kW	2.28 kW
COP Tj = +2°C	5.18	3.84
Cdh Tj = +2 °C	0.960	1.000
Pdh Tj = +7°C	1.50 kW	1.63 kW
COP Tj = +7°C	5.46	4.60
Cdh Tj = +7 °C	1.000	0.950
Pdh Tj = 12°C	1.15 kW	1.01 kW
COP Tj = 12°C	4.73	3.99
Cdh Tj = +12 °C	0.900	1.000
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	0.05 kW	0.00 kW
Annual energy consumption Qhe	2851 kWh	3787 kWh

EN 14825 | Cooling

	+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 Tj = 30 °C	0.97	0.96
Pdc Tj = 25°C	4.02 kW	3.77 kW
EER Tj = 25°C	15.98	14.26
Cdc Tj = 25 °C	0.94	0.94
Pdc Tj = 20°C	3.28 kW	3.57 kW
EER Tj = 20°C	12.99	16.42

Cdc Tj = 20 °C	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