Subtype DAIKIN ALTHERMA 3 WS 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 WS 6KW
Registration number	011-1W0520
Heat Pump Type	Water/Water
Refrigerant	R32
Mass of Refrigerant	1.7 kg
Certification Date	14.02.2022
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 9 (as of 2021-03)

Model EWSAH06DA9W	
Model name	EWSAH06DA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, 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

Water/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 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	6.13 kW	5.61 kW
El input	1.15 kW	1.72 kW
COP	5.33	3.27
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	
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
ηs	252 %	158 %
Prated	6.10 kW	5.60 kW
SCOP	6.49	4.15
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
COP Tj = +7°C	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1941 kWh	2785 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	194 %	166 %
Prated	6.05 kW	5.60 kW
SCOP	5.05	4.36
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2952 kWh	3169 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.06	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1345 kWh	1766 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.81 kW	
SEER	6.98	
Pdc Tj = 35°C	5.81 kW	
EER Tj = 35°C	4.21	
Pdc Tj = 30°C	4.54 kW	
EER Tj = 30°C	5.82	
Cdc Tj = 30 °C	0.980	
Pdc Tj = 25°C	2.77 kW	
EER Tj = 25°C	8.83	

Cdc Tj = 25 °C	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc Tj = 20 °C	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh

Model EWSAH06UDA9W	
Model name	EWSAH06UDA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, 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

Water/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 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	6.13 kW	5.61 kW
El input	1.15 kW	1.72 kW
COP	5.33	3.27
EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	
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
ηs	252 %	158 %
Prated	6.10 kW	5.60 kW
SCOP	6.49	4.15
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
COP Tj = +7°C	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1941 kWh	2785 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	194 %	166 %
Prated	6.05 kW	5.60 kW
SCOP	5.05	4.36
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2952 kWh	3169 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	234 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.06	4.24
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1345 kWh	1766 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.81 kW	
SEER	6.98	
Pdc Tj = 35°C	5.81 kW	
EER Tj = 35°C	4.21	
Pdc Tj = 30°C	4.54 kW	
EER Tj = 30°C	5.82	
Cdc Tj = 30 °C	0.980	
Pdc Tj = 25°C	2.77 kW	
EER Tj = 25°C	8.83	

Cdc Tj = 25 °C	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc Tj = 20 °C	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh

Model EWSAX06DA9W	
Model name	EWSAX06DA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

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

Water/Water EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 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	6.13 kW	5.61 kW
El input	1.15 kW	1.72 kW
COP	5.33	3.27

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	

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
ηs	259 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.68	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
COP Tj = +7°C	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1886 kWh	2730 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	196 %	168 %
Prated	6.05 kW	5.60 kW
SCOP	5.11	4.40
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2919 kWh	3138 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	247 %	168 %
Prated	6.10 kW	5.60 kW
SCOP	6.37	4.40
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1279 kWh	1699 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.81 kW	
SEER	6.98	
Pdc Tj = 35°C	5.81 kW	
EER Tj = 35°C	4.21	
Pdc Tj = 30°C	4.54 kW	
EER Tj = 30°C	5.82	
Cdc Tj = 30 °C	0.980	
Pdc Tj = 25°C	2.77 kW	
EER Tj = 25°C	8.83	

Cdc Tj = 25 °C	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc Tj = 20 °C	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh

Model EWSAX06UDA9W	
Model name	EWSAX06UDA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C
Any additional heat sources	n/a

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

Water/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	115 %
COP	2.77
Heating up time	1:48 h:min
Standby power input	27.6 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	6.13 kW	5.61 kW
El input	1.15 kW	1.72 kW
COP	5.33	3.27

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.38 kW	
Cooling capacity	5.81	
EER	4.21	

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
ηs	259 %	162 %
Prated	6.10 kW	5.60 kW
SCOP	6.68	4.24
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.20 kW	4.83 kW
COP Tj = -7°C	5.49	3.50
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.47 kW	3.13 kW
COP Tj = +2°C	6.68	4.46
Cdh Tj = +2 °C	0.900	1.000
Pdh Tj = +7°C	2.16 kW	1.92 kW
COP Tj = +7°C	7.66	5.10
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.80 kW
COP Tj = 12°C	6.99	4.28
Cdh Tj = +12 °C	0.900	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1886 kWh	2730 kWh

EN 12102-1 | Colder Climate

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

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	196 %	168 %
Prated	6.05 kW	5.60 kW
SCOP	5.11	4.40
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.47 kW	3.68 kW
COP Tj = -7°C	6.68	4.26
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.04 kW	2.06 kW
COP Tj = +2°C	7.26	4.86
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	1.31 kW	1.28 kW
COP Tj = +7°C	6.97	4.03
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	0.99 kW	0.95 kW
COP Tj = 12°C	6.99	4.75
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	2919 kWh	3138 kWh

EN 12102-1 | Warmer Climate

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

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	247 %	168 %
Prated	6.10 kW	5.60 kW
SCOP	6.37	4.40
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.13 kW	5.61 kW
COP Tj = +2°C	5.33	3.27
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	3.85 kW	3.53 kW
COP Tj = +7°C	6.14	3.93
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.67 kW	1.66 kW
COP Tj = 12°C	6.92	5.17
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.13 kW	5.61 kW
COP Tj = Tbiv	5.33	3.27
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.13 kW	5.61 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.33	3.27
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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1279 kWh	1699 kWh

EN 14825 | Cooling

	+7°C/+12°C	+18°C/+23°C
Pdesignc	5.81 kW	
SEER	6.98	
Pdc Tj = 35°C	5.81 kW	
EER Tj = 35°C	4.21	
Pdc Tj = 30°C	4.54 kW	
EER Tj = 30°C	5.82	
Cdc Tj = 30 °C	0.980	
Pdc Tj = 25°C	2.77 kW	
EER Tj = 25°C	8.83	

Cdc Tj = 25 °C	0.950
Pdc Tj = 20°C	3.12 kW
EER Tj = 20°C	10.41
Cdc Tj = 20 °C	0.950
Poff	15 W
PTO	24 W
PSB	15 W
PCK	0 W
Annual energy consumption Qce	500 kWh