

Subtype DAIKIN ALTHERMA 3 WS B/W 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 B/W 6KW
Registration number	011-1W0777
Heat Pump Type	Brine/Water
Refrigerant	R32
Mass of Refrigerant	1.7 kg
Certification Date	19.03.2024
Testing basis	HP KEYMARK certification scheme rules V13

**Model EWSAH06DA9W**

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

**Brine/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	
<b>EN 14511-2   Heating</b>		
Heat output	Low temperature	Medium temperature
6.44 kW	5.81 kW	
El input	1.67 kW	2.32 kW
COP	3.85	2.50
<b>EN 12102-1   Average Climate</b>		
Sound power level indoor	Low temperature	Medium temperature
39 dB(A)	39 dB(A)	
<b>EN 14825   Average Climate</b>		
ηs	Low temperature	Medium temperature
165 %	120 %	
Prated	6.40 kW	5.80 kW
SCOP	4.33	3.21
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.05 kW
COP Tj = -7°C	4.06	2.73
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.48 kW	3.16 kW
COP Tj = +2°C	4.52	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.27 kW	2.09 kW
COP Tj = +7°C	4.50	3.69
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.45 kW	1.12 kW
COP Tj = 12°C	4.55	3.08
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	3052 kWh	3735 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
$\eta_s$	168 %	118 %
P <sub>rated</sub>	6.40 kW	5.80 kW
SCOP	4.39	3.14
T <sub>biv</sub>	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	3.88 kW	3.51 kW
COP T <sub>j</sub> = -7°C	4.52	3.17
C <sub>dh</sub> T <sub>j</sub> = -7 °C	1.000	1.000
P <sub>dh</sub> T <sub>j</sub> = +2°C	2.56 kW	2.26 kW
COP T <sub>j</sub> = +2°C	4.58	3.29
C <sub>dh</sub> T <sub>j</sub> = +2 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = +7°C	1.47 kW	1.43 kW
COP T <sub>j</sub> = +7°C	4.34	3.24
C <sub>dh</sub> T <sub>j</sub> = +7 °C	1.000	1.000
P <sub>dh</sub> T <sub>j</sub> = 12°C	1.15 kW	1.06 kW
COP T <sub>j</sub> = 12°C	3.97	3.04
C <sub>dh</sub> T <sub>j</sub> = +12 °C	0.920	0.930
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	6.44 kW	5.81 kW
COP T <sub>j</sub> = T <sub>biv</sub>	3.85	2.50
P <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	6.44 kW	5.81 kW
COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	3.85	2.50
C <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>		
WTOL	35 °C	55 °C
P <sub>off</sub>	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	3593 kWh	4551 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature

Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825   Warmer Climate
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	Low temperature	Medium temperature
ηs	158 %	110 %
Prated	6.40 kW	5.80 kW
SCOP	4.16	2.95
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.44 kW	5.81 kW
COP Tj = +2°C	3.85	2.50
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.10 kW	3.79 kW
COP Tj = +7°C	4.30	3.06
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.01 kW	1.70 kW
COP Tj = 12°C	4.46	3.13
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	2056 kWh	2623 kWh

**Model EWSAH06UDA9W**

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

**Brine/Water****EN 16147 | Average Climate**

Declared load profile	L
Efficiency ηDHW	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	
<b>EN 14511-2   Heating</b>		
Heat output	Low temperature	Medium temperature
6.44 kW	5.81 kW	
El input	1.67 kW	2.32 kW
COP	3.85	2.50
<b>EN 12102-1   Average Climate</b>		
Sound power level indoor	Low temperature	Medium temperature
39 dB(A)	39 dB(A)	
<b>EN 14825   Average Climate</b>		
ηs	Low temperature	Medium temperature
165 %	120 %	
Prated	6.40 kW	5.80 kW
SCOP	4.33	3.21
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.05 kW
COP Tj = -7°C	4.06	2.73
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.48 kW	3.16 kW
COP Tj = +2°C	4.52	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.27 kW	2.09 kW
COP Tj = +7°C	4.50	3.69
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.45 kW	1.12 kW
COP Tj = 12°C	4.55	3.08
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	3052 kWh	3735 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
$\eta_s$	168 %	118 %
P <sub>rated</sub>	6.40 kW	5.80 kW
SCOP	4.39	3.14
T <sub>biv</sub>	-22 °C	-22 °C
TOL	-22 °C	-22 °C
P <sub>dh</sub> T <sub>j</sub> = -7°C	3.88 kW	3.51 kW
COP T <sub>j</sub> = -7°C	4.52	3.17
C <sub>dh</sub> T <sub>j</sub> = -7 °C	1.000	1.000
P <sub>dh</sub> T <sub>j</sub> = +2°C	2.56 kW	2.26 kW
COP T <sub>j</sub> = +2°C	4.58	3.29
C <sub>dh</sub> T <sub>j</sub> = +2 °C	0.960	0.970
P <sub>dh</sub> T <sub>j</sub> = +7°C	1.47 kW	1.43 kW
COP T <sub>j</sub> = +7°C	4.34	3.24
C <sub>dh</sub> T <sub>j</sub> = +7 °C	1.000	1.000
P <sub>dh</sub> T <sub>j</sub> = 12°C	1.15 kW	1.06 kW
COP T <sub>j</sub> = 12°C	3.97	3.04
C <sub>dh</sub> T <sub>j</sub> = +12 °C	0.920	0.930
P <sub>dh</sub> T <sub>j</sub> = T <sub>biv</sub>	6.44 kW	5.81 kW
COP T <sub>j</sub> = T <sub>biv</sub>	3.85	2.50
P <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	6.44 kW	5.81 kW
COP T <sub>j</sub> = TOL or COP T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>	3.85	2.50
C <sub>dh</sub> T <sub>j</sub> = TOL or P <sub>dh</sub> T <sub>j</sub> = T <sub>designh</sub> if TOL < T <sub>designh</sub>		
WTOL	35 °C	55 °C
P <sub>off</sub>	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	3593 kWh	4551 kWh

**EN 12102-1 | Warmer Climate**

	Low temperature	Medium temperature

Sound power level indoor	39 dB(A)	39 dB(A)
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EN 14825   Warmer Climate
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	Low temperature	Medium temperature
ηs	158 %	110 %
Prated	6.40 kW	5.80 kW
SCOP	4.16	2.95
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.44 kW	5.81 kW
COP Tj = +2°C	3.85	2.50
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.10 kW	3.79 kW
COP Tj = +7°C	4.30	3.06
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.01 kW	1.70 kW
COP Tj = 12°C	4.46	3.13
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	2056 kWh	2623 kWh

**Model EWSAX06DA9W**

Model name	EWSAX06DA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
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 $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

**EN 16147 | Colder Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	
<b>EN 14511-2   Heating</b>		
	Low temperature	Medium temperature
Heat output	6.44 kW	5.81 kW
El input	1.67 kW	2.32 kW
COP	3.85	2.50
<b>EN 12102-1   Average Climate</b>		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
<b>EN 14825   Average Climate</b>		
	Low temperature	Medium temperature
ηs	169 %	122 %
Prated	6.40 kW	5.80 kW
SCOP	4.41	3.26
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.05 kW
COP Tj = -7°C	4.06	2.73
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.48 kW	3.16 kW
COP Tj = +2°C	4.52	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.27 kW	2.09 kW
COP Tj = +7°C	4.50	3.69
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.45 kW	1.12 kW
COP Tj = 12°C	4.55	3.08
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	2997 kWh	3680 kWh
<b>EN 12102-1   Colder Climate</b>		
Sound power level indoor	Low temperature 39 dB(A)	Medium temperature 39 dB(A)
<b>EN 14825   Colder Climate</b>		
ηs	Low temperature 169 %	Medium temperature 119 %
Prated	6.40 kW	5.80 kW
SCOP	4.43	3.16
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.88 kW	3.51 kW
COP Tj = -7°C	4.52	3.17
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.56 kW	2.26 kW
COP Tj = +2°C	4.58	3.29
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	1.47 kW	1.43 kW
COP Tj = +7°C	4.34	3.24
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.15 kW	1.06 kW
COP Tj = 12°C	3.97	3.04
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	3560 kWh	4518 kWh
<b>EN 12102-1   Warmer Climate</b>		

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
<b>EN 14825   Warmer Climate</b>		
	Low temperature	Medium temperature
ηs	164 %	113 %
Prated	6.40 kW	5.80 kW
SCOP	4.30	3.03
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.44 kW	5.81 kW
COP Tj = +2°C	3.85	2.50
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.10 kW	3.79 kW
COP Tj = +7°C	4.30	3.06
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.01 kW	1.70 kW
COP Tj = 12°C	4.46	3.13
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COP Tj = Tbiv	3.85	2.50
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
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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	0.00 kW	0.00 kW
Annual energy consumption Qhe	1990 kWh	2557 kWh

**Model EWSAX06UDA9W**

Model name	EWSAX06UDA9W
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	Warmer Climate, Colder Climate
Reversibility	Yes
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 $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

**EN 16147 | Colder Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 W
Reference hot water temperature	53.0 °C
Mixed water at 40°C	239 l

**EN 16147 | Warmer Climate**

Declared load profile	L
Efficiency $\eta_{DHW}$	110 %
COP	2.66
Heating up time	1:48 h:min
Standby power input	27.7 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	
<b>EN 14511-2   Heating</b>		
	Low temperature	Medium temperature
Heat output	6.44 kW	5.81 kW
El input	1.67 kW	2.32 kW
COP	3.85	2.50
<b>EN 12102-1   Average Climate</b>		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
<b>EN 14825   Average Climate</b>		
	Low temperature	Medium temperature
ηs	169 %	122 %
Prated	6.40 kW	5.80 kW
SCOP	4.41	3.26
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.54 kW	5.05 kW
COP Tj = -7°C	4.06	2.73
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	3.48 kW	3.16 kW
COP Tj = +2°C	4.52	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	2.27 kW	2.09 kW
COP Tj = +7°C	4.50	3.69
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.45 kW	1.12 kW
COP Tj = 12°C	4.55	3.08
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	2997 kWh	3680 kWh
<b>EN 12102-1   Colder Climate</b>		
Sound power level indoor	Low temperature 39 dB(A)	Medium temperature 39 dB(A)
<b>EN 14825   Colder Climate</b>		
ηs	Low temperature 169 %	Medium temperature 119 %
Prated	6.40 kW	5.80 kW
SCOP	4.43	3.16
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	3.88 kW	3.51 kW
COP Tj = -7°C	4.52	3.17
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.56 kW	2.26 kW
COP Tj = +2°C	4.58	3.29
Cdh Tj = +2 °C	0.960	0.970
Pdh Tj = +7°C	1.47 kW	1.43 kW
COP Tj = +7°C	4.34	3.24
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	1.15 kW	1.06 kW
COP Tj = 12°C	3.97	3.04
Cdh Tj = +12 °C	0.920	0.930
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	3560 kWh	4518 kWh
<b>EN 12102-1   Warmer Climate</b>		

	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)
<b>EN 14825   Warmer Climate</b>		
	Low temperature	Medium temperature
ηs	164 %	113 %
Prated	6.40 kW	5.80 kW
SCOP	4.30	3.03
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.44 kW	5.81 kW
COP Tj = +2°C	3.85	2.50
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	4.10 kW	3.79 kW
COP Tj = +7°C	4.30	3.06
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	2.01 kW	1.70 kW
COP Tj = 12°C	4.46	3.13
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	6.44 kW	5.81 kW
COP Tj = Tbiv	3.85	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.44 kW	5.81 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.85	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	1990 kWh	2557 kWh