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Summary of	DAIKIN ALTHERMA LT SPLIT / ROTEX HPSU BI-BLOC 16 KW (3PH)	Reg. No.	011-1W0078
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 LT SPLIT / ROTEX HPSU BI-BLOC 16 KW (3PH)		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	3.4 kg		
Certification Date	31.03.2017		
Testing basis	HP KEYMARK certification scheme rules rev. no. 1.1		

Model: ERLQ016CW1 / EHBH16CB *

Configure model	
Model name	ERLQ016CW1 / EHBH16CB *
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

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Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: ERLQ016CW1 / EHBX16CB *

Configure model	
Model name	ERLQ016CW1 / EHBX16CB *
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

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Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: ERLQ016CW1 / EHVH16S18CB *

Configure model	
Model name	ERLQ016CW1 / EHVH16S18CB *
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

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EN 12102-1

	Low temperature	Medium temperature
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EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
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Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: ERLQ016CW1 / EHVH16S26CB *

Configure model	
Model name	ERLQ016CW1 / EHVH16S26CB *
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

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COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	98 %
COP	2.02
Heating up time	1:25 h:min
Standby power input	45.1 W
Reference hot water temperature	50.2 °C
Mixed water at 40°C	338 l

Model: ERLQ016CW1 / EHVX16S18CB *

Configure model	
Model name	ERLQ016CW1 / EHVX16S18CB *
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

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COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: ERLQ016CW1 / EHVX16S26CB *

Configure model	
Model name	ERLQ016CW1 / EHVX16S26CB *
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

This information was generated by the HP KEYMARK database on 22 Jun 2022

EN 16147	
Declared load profile	XL
Efficiency η_{DHW}	98 %
COP	2.02
Heating up time	1:25 h:min
Standby power input	45.1 W
Reference hot water temperature	50.2 °C
Mixed water at 40°C	338 l

Model: ERLQ016CW1 / EHVZ16S18CB *

Configure model	
Model name	ERLQ016CW1 / EHVZ16S18CB *
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	15.90 kW	15.04 kW
El input	3.77 kW	5.37 kW
COP	4.22	2.80

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	47 dB(A)	47 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Cdh Tj = +7 °C	0.94	1.00

This information was generated by the HP KEYMARK database on 22 Jun 2022

Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Cdh Tj = +12 °C	0.92	0.93
Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	11.70 kW	13.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Domestic Hot Water (DHW)

Average Climate

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	87 %
COP	2.14
Heating up time	1:04 h:min
Standby power input	50.0 W
Reference hot water temperature	50.1 °C
Mixed water at 40°C	224 l

Model: RRLQ016CW1 / RHBH16CB *

Configure model	
Model name	RRLQ016CW1 / RHBH16CB *
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	16.00 kW	15.04 kW
El input	3.76 kW	5.37 kW
COP	4.25	2.80

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

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level indoor	44 dB(A)	44 dB(A)
Sound power level outdoor	66 dB(A)	66 dB(A)

EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
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Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Cdh Tj = +2 °C	1.00	1.00
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COP Tj = 12°C	8.97	6.36
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Pdh Tj = Tbiv	12.10 kW	12.20 kW
COP Tj = Tbiv	2.56	1.78
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.05	1.71
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	35 °C	55 °C
Poff	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Qhe	8270 kWh	8970 kWh

Model: RRLQ016CW1 / RHBX16CB *

Configure model	
Model name	RRLQ016CW1 / RHBX16CB *
Application	Heating (medium temp)
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Heating

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	Low temperature	Medium temperature
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	Low temperature	Medium temperature
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EN 14825

	Low temperature	Medium temperature
η_s	149 %	119 %
Prated	16.00 kW	13.90 kW
SCOP	3.80	3.06
Tbiv	-4 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.40 kW	12.20 kW
COP Tj = -7°C	2.33	1.78
Pdh Tj = +2°C	8.62 kW	7.61 kW
COP Tj = +2°C	3.74	3.12
Pdh Tj = +7°C	5.74 kW	4.83 kW
COP Tj = +7°C	6.77	4.40
Pdh Tj = 12°C	6.50 kW	5.38 kW
COP Tj = 12°C	8.97	6.36
Pdh Tj = Tbiv	12.10 kW	12.20 kW

This information was generated by the HP KEYMARK database on 22 Jun 2022

COP $T_j = T_{biv}$	2.56	1.78
$P_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	11.70 kW	13.30 kW
COP $T_j = TOL$ or COP $T_j = T_{designh}$ if $TOL < T_{designh}$	2.05	1.71
$C_{dh} T_j = TOL$ or $P_{dh} T_j = T_{designh}$ if $TOL < T_{designh}$	1.00	1.00
WTOL	35 °C	55 °C
P _{off}	55 W	55 W
PTO	57 W	57 W
PSB	55 W	55 W
PCK	55 W	55 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	4.35 kW	0.58 kW
Annual energy consumption Q_{he}	8270 kWh	8970 kWh