

Summary of	WPF 04, WPF 04 cool, WPC 04, WPC 04 cool	Reg. No.	011-1W0019
Certificate Holder			-
Name	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603
City	Holzminden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewert	ung mbH	
Subtype title	WPF 04, WPF 04 cool, WPC 04, WPC 04 cool		
Heat Pump Type	Brine/Water		
Refrigerant	Other		
Mass Of Refrigerant	1.05 kg		
Certification Date	23.08.2016		



Model: WPF 04, all climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	4.77 kW
El input	1.06 kW
СОР	4.50
Indoor water flow rate	0.78 m³/h

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



EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

EN 14825	
	Low temperature
η_s	189 %
Prated	5.00 kW
SCOP	4.92
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7° C	4.80 kW
$COPTj = -7^{\circ}C$	4.55
Cdh	0.90
Pdh Tj = $+2$ °C	4.80 kW
COP Tj = +2°C	4.87
Cdh	0.90
Pdh Tj = $+7^{\circ}$ C	4.90 kW
$COPTj = +7^{\circ}C$	5.18
Cdh	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	0 W
PTO	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2002 kWh

Warmer Climate

EN 14825	
	Low temperature
∩s	187 %
rated	5.00 kW
SCOP	4.87





This information was generated by the infilterin	
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh	0.90
Pdh Tj = $+7$ °C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1310 kWh

EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

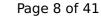
Colder Climate

Low temperature
195 %
6.00 kW
5.07
-15 °C
-22 °C
4.90 kW
5.03
0.90
4.90 kW
5.27
0.90





This information was generated by the fir KETM	T T T T T T T T T T T T T T T T T T T
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.92
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
РСК	o w
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.17 kW
Annual energy consumption Qhe	2888 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.80
COP Tj = -15 °C (if TOL< -20 °C)	4.92
Cdh	0.90
1	





EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)



Model: WPF 04, average climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
СОР	4.50	2.72
Indoor water flow rate	0.78 m³/h	0.58 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	128 %
Prated	5.00 kW	4.00 kW
SCOP	4.92	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.80 kW	4.30 kW
COP Tj = -7°C	4.55	2.85
Cdh	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
COP Tj = +7°C	5.18	3.73
Cdh	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



	<u> </u>	
COP Tj = 12°C	5.52	4.18
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.80 kW	4.30 kW
COP Tj = Tbiv	4.50	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50	2.72
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	54 W	54 W
PSB	9 W	9 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	2002 kWh	2583 kWh



Model: WPF 04 cool, all climates

Genera	al Data
Power supply	3x400V 50Hz

Heating

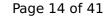
EN 14511-2		
Low temperature		
Heat output	4.77 kW	
El input	1.06 kW	
СОР	4.50	
Indoor water flow rate	0.78 m³/h	

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



EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

EN 14825	
	Low temperature
η_s	189 %
Prated	5.00 kW
SCOP	4.92
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	4.80 kW
COP Tj = -7°C	4.55
Cdh	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh	0.90
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2002 kWh

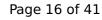
Warmer Climate

EN 14825		
	Low temperature	
η_{s}	187 %	
Prated	5.00 kW	
SCOP	4.87	
	·	





This information was generated by the first NETH	7 11 11 11 11 11 11 11 11 11 11 11 11 11
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh	0.90
Pdh Tj = +7°C	4.80 kW
$COP Tj = +7^{\circ}C$	4.80
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	o w
PTO	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1310 kWh

EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

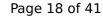
Colder Climate

EN 14825	
	Low temperature
η_{s}	195 %
Prated	6.00 kW
SCOP	5.07
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	4.90 kW
$COPTj = -7^{\circ}C$	5.03
Cdh	0.90
Pdh Tj = +2°C	4.90 kW
COP Tj = +2°C	5.27
Cdh	0.90



 $$\operatorname{Page}\ 17$$ of 41 This information was generated by the HP KEYMARK database on 18 Dec 2020

This information was generated by the fir Refi	""" database on 10 Dec 202
Pdh Tj = $+7$ °C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.92
WTOL	65 °C
Poff	0 W
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.17 kW
Annual energy consumption Qhe	2888 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.80
COP Tj = -15°C (if TOL<-20°C)	4.92
Cdh	0.90
	i .





EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)



Model: WPF 04 cool, average climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
СОР	4.50	2.72
Indoor water flow rate	0.78 m³/h	0.58 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	128 %
Prated	5.00 kW	4.00 kW
SCOP	4.92	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.80 kW	4.30 kW
COP Tj = -7°C	4.55	2.85
Cdh	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
$COP Tj = +7^{\circ}C$	5.18	3.73
Cdh	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



COP Tj = 12°C	5.52	4.18
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.80 kW	4.30 kW
COP Tj = Tbiv	4.50	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50	2.72
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	54 W	54 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2002 kWh	2583 kWh



Model: WPC 04, all climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	
Heat output	4.77 kW	
El input	1.06 kW	
СОР	4.50	
Indoor water flow rate	0.78 m³/h	

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



EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

EN 14825	
	Low temperature
η_{s}	189 %
Prated	5.00 kW
SCOP	4.92
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	4.80 kW
COP Tj = -7°C	4.55
Cdh	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh	0.90
Pdh Tj = +7°C	4.90 kW
COP Tj = +7°C	5.18
Cdh	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2002 kWh

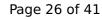
Warmer Climate

EN 14825	
	Low temperature
η_{s}	187 %
Prated	5.00 kW
SCOP	4.87
	·





This information was generated by the infilterin	
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh	0.90
Pdh Tj = $+7$ °C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1310 kWh

EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

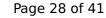
Colder Climate

EN 14825	
Low temperature	
195 %	
6.00 kW	
5.07	
-15 °C	
-22 °C	
4.90 kW	
5.03	
0.90	
4.90 kW	
5.27	
0.90	





This information was generated by the HP	KEYMARK database on 18 Dec 202
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.92
WTOL	65 °C
Poff	0 W
PTO	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.17 kW
Annual energy consumption Qhe	2888 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.80
COP Tj = -15 °C (if TOL< -20 °C)	4.92
Cdh	0.90
-	





EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)



Model: WPC 04, average climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
СОР	4.50	2.72
Indoor water flow rate	0.78 m³/h	0.58 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	128 %
Prated	5.00 kW	4.00 kW
SCOP	4.92	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.80 kW	4.30 kW
COP Tj = -7°C	4.55	2.85
Cdh	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
COP Tj = +7°C	5.18	3.73
Cdh	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



COP Tj = 12°C	5.52	4.18
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.80 kW	4.30 kW
COP Tj = Tbiv	4.50	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50	2.72
WTOL	65 °C	65 °C
Poff	o w	0 W
PTO	54 W	54 W
PSB	9 W	9 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	2002 kWh	2583 kWh



Model: WPC 04 cool, all climates

General Data	
Power supply	3x400V 50Hz

Heating

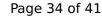
EN 14511-2		
Low temperature		
Heat output	4.77 kW	
El input	1.06 kW	
СОР	4.50	
Indoor water flow rate	0.78 m³/h	

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



EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

EN 14825	
	Low temperature
η_s	189 %
Prated	5.00 kW
SCOP	4.92
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	4.80 kW
COP Tj = -7°C	4.55
Cdh	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh	0.90
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2002 kWh

Warmer Climate

EN 14825	
	Low temperature
η_s	187 %
Prated	5.00 kW
SCOP	4.87





This information was generated by the HP KEYM	ARK database on 18 Dec 2020
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
$COP Tj = +2^{\circ}C$	4.50
Cdh	0.90
Pdh Tj = +7°C	4.80 kW
$COP Tj = +7^{\circ}C$	4.80
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
WTOL	65 °C
Poff	o w
РТО	54 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1310 kWh

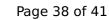
EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

Colder Climate

EN 14825	
	Low temperature
η_{s}	195 %
Prated	6.00 kW
SCOP	5.07
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	4.90 kW
$COPTj = -7^{\circ}C$	5.03
Cdh	0.90
Pdh Tj = +2°C	4.90 kW
COP Tj = +2°C	5.27
Cdh	0.90



This information was generated by the fir KL	
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh	0.90
Pdh Tj = Tbiv	4.80 kW
COP Tj = Tbiv	4.92
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.92
WTOL	65 °C
Poff	0 W
РТО	54 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	1.17 kW
Annual energy consumption Qhe	2888 kWh
Pdh Tj = -15°C (if TOL<-20°C)	4.80
COP Tj = -15°C (if TOL<-20°C)	4.92
Cdh	0.90
1	





EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)



Model: WPC 04 cool, average climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	4.77 kW	4.25 kW		
El input	1.06 kW	1.56 kW		
СОР	4.50	2.72		
Indoor water flow rate	0.78 m³/h	0.58 m³/h		

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



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	45 dB(A)	45 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	189 %	128 %	
Prated	5.00 kW	4.00 kW	
SCOP	4.92	3.40	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	4.80 kW	4.30 kW	
COP Tj = -7°C	4.55	2.85	
Cdh	0.90	0.90	
Pdh Tj = +2°C	4.80 kW	4.50 kW	
COP Tj = +2°C	4.87	3.35	
Cdh	0.90	0.90	
Pdh Tj = +7°C	4.90 kW	4.60 kW	
COP Tj = +7°C	5.18	3.73	
Cdh	0.90	0.90	
Pdh Tj = 12°C	4.90 kW	4.70 kW	



COP Tj = 12°C	5.52	4.18
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.80 kW	4.30 kW
COP Tj = Tbiv	4.50	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW	4.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50	2.72
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	54 W	54 W
PSB	9 W	9 W
PCK	o w	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2002 kWh	2583 kWh