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Login

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 Konformitätsbewertung mbH			
Subtype title	title WPF 04, WPF 04 cool, WPC 04, WPC 04 cool		
Heat Pump Type Brine/Water			
Refrigerant	efrigerant R410A		
Mass of Refrigerant	Mass of Refrigerant 1.05 kg		
Certification Date 23.08.2016			



Model: WPF 04, all climates

Configure model		
Model name	WPF 04, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

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 Tj = -7 °C	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C 5.52 Cdh Tj = +12 °C 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 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW Annual energy consumption Qhe 2002 kWh		
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 Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP	COP Tj = 12°C	5.52
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 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP	Cdh Tj = +12 °C	0.90
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 0 w Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Pdh Tj = Tbiv	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 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = Tbiv	4.50
WTOL Poff 0 W PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
Poff 0 W PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	WTOL	65 °C
PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Poff	o w
PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	РТО	54 W
Supplementary Heater: Type of energy input Supplementary Heater: PSUP 0.00 kW	PSB	9 W
Supplementary Heater: PSUP 0.00 kW	PCK	0 W
	Supplementary Heater: Type of energy input	Electricity
Annual energy consumption Qhe 2002 kWh	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 FF KETI	ANN database on 10 Mai 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh Tj = +12 °C	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	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
COP Tj = -7°C	5.03
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	4.90 kW
COP Tj = +2°C	5.27
Cdh Tj = +2 °C	0.90





COP Tj = +7°C	This information was generated by the Hr KETM	ANN database on 10 Mai 2022
Cdh Tj = +7 °C 0.90 Pdh Tj = 12°C 4.90 kW COP Tj = 12°C 5.50 Cdh Tj = +12 °C 0.90 Pdh Tj = Tbiv 4.80 kW COP Tj = Tbiv 4.92 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = +7°C	4.90 kW
Pdh Tj = 12°C 4.90 kW COP Tj = 12°C 5.50 Cdh Tj = +12 °C 0.90 Pdh Tj = Tbiv 4.80 kW COP Tj = Tbiv 4.92 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	$COP Tj = +7^{\circ}C$	5.47
COP Tj = 12°C	Cdh Tj = +7 °C	0.90
Cdh Tj = +12 °C 0.90 Pdh Tj = Tbiv 4.80 kW COP Tj = Tbiv 4.92 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = 12°C	4.90 kW
Pdh Tj = Tbiv 4.80 kW COP Tj = Tbiv 4.92 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	5.50
COP Tj = Tbiv 4.92 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.90
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 Pdh Tj = -15°C (if TOL<-20°C) 4.92	Pdh Tj = Tbiv	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 Pdh Tj = -15°C (if TOL<-20°C) 4.92	COP Tj = Tbiv	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)	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
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	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.92
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	WTOL	65 °C
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	Poff	0 W
PCK 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	РТО	54 W
Supplementary Heater: Type of energy input Electricity 1.17 kW Annual energy consumption Qhe 2888 kWh Pdh Tj = -15°C (if TOL<-20°C) COP Tj = -15°C (if TOL<-20°C) 4.92	PSB	9 W
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	PCK	0 W
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	Supplementary Heater: Type of energy input	Electricity
Pdh Tj = -15°C (if TOL<-20°C) 4.80 COP Tj = -15°C (if TOL<-20°C) 4.92	Supplementary Heater: PSUP	1.17 kW
$COP Tj = -15^{\circ}C (if TOL < -20^{\circ}C)$ 4.92	Annual energy consumption Qhe	2888 kWh
	Pdh Tj = -15°C (if TOL<-20°C)	4.80
Cdh Tj = -15 °C 0.90	COP Tj = -15°C (if TOL<-20°C)	4.92
	Cdh Tj = -15 °C	0.90





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



Model: WPF 04, average climates

Configure model		
Model name	WPF 04, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

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 Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
COP Tj = +7°C	5.18	3.73
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



COP Tj = 12°C	5.52	4.18
Cdh Tj = +12 °C	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	o 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

Configure model		
Model name	WPF 04 cool, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

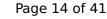
EN 14511-2	
	Low temperature
Heat output	4.77 kW
El input	1.06 kW
СОР	4.50

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 Tj = -7 °C	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	4.90 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW

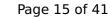




COP Tj = 12°C 5.52 Cdh Tj = +12 °C 0.90 Pdh Tj = Tbiv 4.80 kW COP Tj = Tbiv 4.50 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 4.80 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.50 WTOL 65 °C Poff 0 W PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW Annual energy consumption Qhe 2002 kWh		
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 Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP	COP Tj = 12°C	5.52
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 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP	Cdh Tj = +12 °C	0.90
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 0 w Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Pdh Tj = Tbiv	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 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = Tbiv	4.50
WTOL Poff 0 W PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.80 kW
Poff 0 W PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.50
PTO 54 W PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	WTOL	65 °C
PSB 9 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Poff	o w
PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	РТО	54 W
Supplementary Heater: Type of energy input Supplementary Heater: PSUP 0.00 kW	PSB	9 W
Supplementary Heater: PSUP 0.00 kW	PCK	0 W
	Supplementary Heater: Type of energy input	Electricity
Annual energy consumption Qhe 2002 kWh	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 FF KETI	ANN database on 10 Mai 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh Tj = +12 °C	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	o w
Supplementary Heater: Type of energy input	Electricity





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

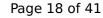
EN 12102-1	
	Low temperature
Sound power level indoor	45 dB(A)

Colder Climate

EN 14825	
	Low temperature
ls	195 %
Prated	6.00 kW
SCOP	5.07
Tbiv	-15 °C
TOL	-22 °C
Pdh Tj = -7°C	4.90 kW
COP Tj = -7°C	5.03
Cdh Tj = -7 °C	0.90
Pdh Tj = +2°C	4.90 kW
COP Tj = +2°C	5.27
Cdh Tj = +2 °C	0.90



This information was generated by the HP KEY	MARK database on 18 Mar 202
Pdh Tj = $+7$ °C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh Tj = +12 °C	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 Tj = -15 °C	0.90





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



Model: WPF 04 cool, average climates

Configure model		
Model name WPF 04 cool, average climates		
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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	

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
$COPTj = -7^{\circ}C$	4.55	2.85
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2^{\circ}$ C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.90 kW	4.60 kW
$COP Tj = +7^{\circ}C$	5.18	3.73
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



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COP Tj = 12°C	5.52	4.18
Cdh Tj = +12 °C	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	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

Configure model		
Model name	WPC 04, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

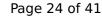
EN 14511-2	
Low temperature	
Heat output	4.77 kW
El input	1.06 kW
СОР	4.50

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 Tj = -7 °C	0.90
Pdh Tj = +2°C	4.80 kW
$COPTj = +2^{\circ}C$	4.87
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	4.90 kW
$COPTj = +7^{\circ}C$	5.18
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh Tj = +12 °C	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	2002 kWh

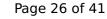
Warmer Climate

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





This information was generated by the FF KETI	ANN database on 10 Mai 2022
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.50
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh Tj = +12 °C	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	o w
Supplementary Heater: Type of energy input	Electricity



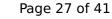


Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	1310 kWh

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

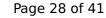
Colder Climate

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 Tj = -7 °C	0.90
Pdh Tj = $+2$ °C	4.90 kW
COP Tj = +2°C	5.27
Cdh Tj = +2 °C	0.90





· · · · · · · · · · · · · · · · · · ·	ANN database on 10 Mai 202.
Pdh Tj = +7°C	4.90 kW
$COPTj = +7^{\circ}C$	5.47
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh Tj = +12 °C	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
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 Tj = -15 °C	0.90





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



Model: WPC 04, average climates

Configure model		
Model name	WPC 04, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

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 Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
COP Tj = +7°C	5.18	3.73
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



COP Tj = 12°C	5.52	4.18
Cdh Tj = +12 °C	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	o 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

Configure model		
Model name	WPC 04 cool, all climates	
Application	Heating (low temp)	
Units	Indoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

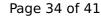
EN 14511-2	
	Low temperature
Heat output	4.77 kW
El input	1.06 kW
СОР	4.50

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 Tj = -7 °C	0.90
Pdh Tj = +2°C	4.80 kW
COP Tj = +2°C	4.87
Cdh Tj = +2 °C	0.90
Pdh Tj = +7°C	4.90 kW
COP Tj = +7°C	5.18
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW





COP Tj = 12°C	5.52
Cdh Tj = +12 °C	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	2002 kWh

Warmer Climate

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





This information was generated by the	e HP KEYMARK database on 18 Mar 202
Tbiv	2 °C
TOL	0 °C
Pdh Tj = +2°C	4.80 kW
$COP Tj = +2^{\circ}C$	4.50
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7^{\circ}$ C	4.80 kW
$COPTj = +7^{\circ}C$	4.80
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.29
Cdh Tj = +12 °C	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
РСК	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	
COP Tj = -7°C	5.03	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	4.90 kW	
COP Tj = +2°C	5.27	
Cdh Tj = +2 °C	0.90	





This information was generated by the Hr KETV	IANK database on 10 Mai 202
Pdh Tj = $+7$ °C	4.90 kW
$COP Tj = +7^{\circ}C$	5.47
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	4.90 kW
COP Tj = 12°C	5.50
Cdh Tj = +12 °C	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 Tj = -15 °C	0.90





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



Model: WPC 04 cool, average climates

Configure model		
Model name	WPC 04 cool, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

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

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 Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.80 kW	4.50 kW
COP Tj = +2°C	4.87	3.35
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.90 kW	4.60 kW
COP Tj = +7°C	5.18	3.73
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.90 kW	4.70 kW



COP Tj = 12°C	5.52	4.18
Cdh Tj = +12 °C	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	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