Subtype WPF 04, WPF 04 cool, WPC 04, WPC 04 cool

Certificate Holder	STIEBEL ELTRON GmbH & Co KG
Address	Dr. Stiebel Straße 33
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Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	WPF 04, WPF 04 cool, WPC 04, WPC 04 cool
Registration number	011-1W0019
Heat Pump Type	Brine/Water
Refrigerant	R410A
Mass of Refrigerant	1.05 kg
Certification Date	23.08.2016

Model WPF 04, all climates	
Model name	WPF 04, all climates
Application	Heating (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 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	4.77 kW	
El input	1.06 kW	
COP	4.50	

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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	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

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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	
Pdh Tj = +7°C	4.90 kW	
COP Tj = +7°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
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	4.80
COP Tj = -15°C (if TOL	4.92
Cdh Tj = -15 °C	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	187 %	
Prated	5.00 kW	
SCOP	4.87	
Tbiv	2 °C	
TOL	0 °C	
Pdh Tj = +2°C	4.80 kW	
COP Tj = +2°C	4.50	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.90 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C	0.900	
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	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	0.20 kW
Annual energy consumption Qhe	1310 kWh

Model WPF 04, average climates

Model name	WPF 04, average climates
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
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 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	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
COP	4.50	2.72

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	0 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 WPF 04 cool, all climates	
Model name	WPF 04 cool, all climates
Application	Heating (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 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	4.77 kW	
El input	1.06 kW	
COP	4.50	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	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

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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	
Pdh Tj = +7°C	4.90 kW	
COP Tj = +7°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
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	4.80
COP Tj = -15°C (if TOL	4.92
Cdh Tj = -15 °C	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	187 %	
Prated	5.00 kW	
SCOP	4.87	
Tbiv	2 °C	
TOL	0 °C	
Pdh Tj = +2°C	4.80 kW	
COP Tj = +2°C	4.50	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.90 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C	0.900	
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	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	0.20 kW
Annual energy consumption Qhe	1310 kWh

Model WPF 04 cool, average climates

Model name	WPF 04 cool, average climates
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
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 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	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
COP	4.50	2.72

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	0 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, all climates	
Model name	WPC 04, all climates
Application	Heating (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 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	4.77 kW	
El input	1.06 kW	
COP	4.50	

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

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	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	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

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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	
Pdh Tj = +7°C	4.90 kW	
COP Tj = +7°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
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	4.80
COP Tj = -15°C (if TOL	4.92
Cdh Tj = -15 °C	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	187 %	
Prated	5.00 kW	
SCOP	4.87	
Tbiv	2 °C	
TOL	0 °C	
Pdh Tj = +2°C	4.80 kW	
COP Tj = +2°C	4.50	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.90 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C	0.900	
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	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	0.20 kW
Annual energy consumption Qhe	1310 kWh

Model WPC 04, average climates

Model name	WPC 04, average climates
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
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 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	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
COP	4.50	2.72

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	0 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	
Model name	WPC 04 cool, all climates
Application	Heating (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 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	4.77 kW	
El input	1.06 kW	
COP	4.50	

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	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

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	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	
Pdh Tj = +7°C	4.90 kW	
COP Tj = +7°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
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	4.80
COP Tj = -15°C (if TOL	4.92
Cdh Tj = -15 °C	0.90

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	187 %	
Prated	5.00 kW	
SCOP	4.87	
Tbiv	2 °C	
TOL	0 °C	
Pdh Tj = +2°C	4.80 kW	
COP Tj = +2°C	4.50	
Cdh Tj = +2 °C	0.900	
Pdh Tj = +7°C	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.90 kW	
COP Tj = 12°C	5.29	
Cdh Tj = +12 °C	0.900	
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	
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
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	0.20 kW
Annual energy consumption Qhe	1310 kWh

Model WPC 04 cool, average climates

Model name	WPC 04 cool, average climates
Application	Heating (medium temp)
Units	Indoor
Climate zone (for heating)	n/a
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 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	4.77 kW	4.25 kW
El input	1.06 kW	1.56 kW
COP	4.50	2.72

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	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	0 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