

Subtype WPF 04, WPF 04 cool, WPC 04, WI	PC 04 cool
Certificate Holder	STIEBEL ELTRON GmbH & Co KG
Address	Dr. Stiebel Straße 33
ZIP	37603
City	Holzminden
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 Clim	ate
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 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	
$Pdh Tj = -7^{\circ}C$	4.80 kW	
COP Tj = -7°C	4.55	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.80 kW	
COP Tj = +2°C	4.87	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
$COP Tj = +7^{\circ}C$	5.18	
Cdh Tj = +7 °C	0.90	
Cdh Tj = +7 °C $Pdh Tj = 12°C$	0.90 4.90 kW	
$Pdh Tj = 12^{\circ}C$	4.90 kW	
Pdh Tj = 12°C COP Tj = 12°C	4.90 kW 5.52	



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	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	
$Pdh Tj = -7^{\circ}C$	4.90 kW	
$COP Tj = -7^{\circ}C$	5.03	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.90 kW	
COP Tj = +2°C	5.27	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
$COP Tj = +7^{\circ}C$	5.47	
Cdh Tj = +7 °C	0.90	
$Pdh Tj = 12^{\circ}C$	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	



РСК	0 W	
Supplementary Heater: Type of energy input	Electricity	
Supplementary Heater: PSUP	1.17 kW	
Annual energy consumption Qhe	2888 kWh	
Pdh Tj = $-15^{\circ}$ C (if TOL	4.80	
COP Tj = -15 °C (if TOL)	4.92	
Cdh Tj = -15 °C	0.90	
	0.90	
EN 12102-1   Warmer Climate		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	
EN 14825   Warmer Climate		
	<b>.</b>	
	Low temperature	Medium temperature
ης	187 %	
Prated	5.00 kW	
SCOP	4.87	
Tbiv	2 °C	
TOL	0 °C	
$Pdh Tj = +2^{\circ}C$	4.80 kW	
COP Tj = +2°C	4.50	
Cdh Tj = +2 °C	0.900	
$Pdh Tj = +7^{\circ}C$	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
Pdh Tj = 12°C	4.90 kW	
$COP Tj = 12^{\circ}C$	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	4.80 kW	
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL	4.50	
< Tdesignh		
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL		
< Tdesignh		
WTOL	65 °C	
Poff	0 W	
РТО	54 W	
PSB	9 W	
PCK	0 W	
Supplementary Heater: Type of energy	Electricity	
input		
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 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
$Pdh Tj = +2^{\circ}C$	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°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
РТО	54 W	54 W
PSB	9 W	9 W
РСК	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 Clin	nate
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		
	naccod	
Shutting off the heat transfer medium flow	•	
Complete power supply failure Defrost test	passed	
	passed	
Starting and operating test	passed	
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	
$COP Tj = -7^{\circ}C$	4.55	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.80 kW	
COP Tj = +2°C	4.87	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
COP Tj = +7°C	5.18	
	0.90	
Cdh Tj = +7 °C		
$Pdh Tj = 12^{\circ}C$	4.90 kW	
-		
Pdh Tj = $12^{\circ}$ C	4.90 kW	
Pdh Tj = $12^{\circ}$ C COP Tj = $12^{\circ}$ C	4.90 kW 5.52	



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	4.80 kW	
< Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL	4.50	
< Tdesignh		
WTOL	65 °C	
Poff	0 W	
PTO	54 W	
PSB	9 W	
PCK	0 W	
Supplementary Heater: Type of energy	Electricity	
input 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	
$Pdh Tj = -7^{\circ}C$	4.90 kW	
$COP Tj = -7^{\circ}C$	5.03	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	4.90 kW	
$COP Tj = +2^{\circ}C$	5.27	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
$COP Tj = +7^{\circ}C$	5.47	
Cdh Tj = +7 °C	0.90	
Pdh Tj = $12^{\circ}$ C	4.90 kW	
$COP Tj = 12^{\circ}C$	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	
·		



РСК	0 W	
Supplementary Heater: Type of energy	Electricity	
input	Licectierty	
Supplementary Heater: PSUP	1.17 kW	
Annual energy consumption Qhe	2888 kWh	
Pdh Tj = $-15^{\circ}$ C (if TOL	4.80	
$COP Tj = -15^{\circ}C$ (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
ης	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 = $+7^{\circ}$ C	4.80 kW	
COP Tj = +7°C	4.80	
Cdh Tj = +7 °C	0.900	
$Pdh Tj = 12^{\circ}C$	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	4.80 kW	
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL	4.50	
< Tdesignh		
Cdh Tj = TOL  or  Pdh Tj = Tdesignh if TOL		
< Tdesignh WTOL	65 °C	
Poff	0 W	
PTO	54 W	
PSB	9 W	
PCK	9 W 0 W	
Supplementary Heater: Type of energy	Electricity	
input	LIEUTICITY	
Supplementary Heater: PSUP	0.20 kW	
Annual energy consumption Qhe	1310 kWh	



Model WPF 04 cool, average climates		
Model name	WPF 04 cool, average climat	
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 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
$Pdh Tj = +2^{\circ}C$	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
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
РТО	54 W	54 W
PSB	9 W	9 W
РСК	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 Clim	ate
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 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	
$COP Tj = -7^{\circ}C$	4.55	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.80 kW	
$COP T_j = +2°C$	4.87	
Cdh Tj = +2 °C	0.90	
Pdh Tj = $+7^{\circ}$ C	4.90 kW	
$COP T_j = +7^{\circ}C$	5.18	
Cdh Tj = +7 °C	0.90	
-		
$Pdh Tj = 12^{\circ}C$	4.90 kW	
Pdh Tj = $12^{\circ}$ C COP Tj = $12^{\circ}$ C	4.90 KW 5.52	
-		
$COP Tj = 12^{\circ}C$	5.52	



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	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	
$COP Tj = -7^{\circ}C$	5.03	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.90 kW	
COP Tj = +2°C	5.27	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
COP Tj = +7°C	5.47	
Cdh Tj = +7 °C	0.90	
$Pdh Tj = 12^{\circ}C$	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	



FLK         OW           Supplemetary Heater: Type of energy input         Electricity           Supplemetary 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         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           ScoP         4.87           Tbiv         2°C           TOL         0°C           Pdh Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW           COP Tj = +2°C         0.900           Pdh Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = +1°C         0.900           Pdh Tj = TDiv         4.50           COP Tj = TDiv         4.50           COP Tj = TDiv         4.50           COP Tj = TOL or Pdh Tj = Tdesignh if TOL	РСК	0 W	
input         I.17 kW           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 (if TOL         4.92           Cdh Tj = -15°C         0.90           EN 12102-1   Warmer Climate         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           Yeated         5.00 kW           SCOP         4.87           Tbiv         2 °C           Yeated         5.00 kW           SCOP         4.87           Tbiv         2 °C           You         0 °C           Pdh Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW           COP Tj = +2°C         9.900           Pdh Tj = 7°C         9.900           Pdh Tj = 7°C         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = +12 °C         0.900           Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL         4.50           CoP Tj = TOL or Pdh Tj = Tdesignh			
Supplementary Heater: PSUP         1.17 kW           Annual energy consumption Qhe         288 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         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           Total Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           Total Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Medium temperature           Total Sound power level indoor         45 dB (A)           EN 14825   Warmer Climate         Medium temperature           Total Sound power level indoor         45 dB (A)           ScoP         4.87           Total Sound power level indoor         9 C           COL Cop 1 = +2°C         4.80 kW           COP Tj = +2°C         4.50           Cdh Tj = +2°C         4.80 kW           CoP Tj = +7°C         4.80 kW           CoP Tj = 12°C         5.09           Cdh Tj = +7°C         4.80 kW           CoP Tj = 12°C         5.0		Electricity	
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       Medium temperature         Sound power level indoor       45 dB(A)         EN 14825   Warmer Climate       Medium temperature         Sound power level indoor       45 dB(A)         EN 14825   Warmer Climate       Medium temperature         Scop       4.87         Prated       5.00 kW         SCOP       4.87         Tbiv       2 °C         TOL       0 °C         Pdh Tj = +2°C       4.80 kW         COP Tj = +2°C       4.80 kW         COP Tj = +2°C       4.80 kW         COP Tj = +7°C       4.80 kW         COP Tj = +7°C       4.80 kW         COP Tj = 12°C       5.29         Cdh Tj = -12 °C       5.29         Cdh Tj = 12 °C       5.09 kW         COP Tj = Tbiv       4.80 kW         COP Tj = Tbiv       4.80 kW         COP Tj = ToL or Pdh Tj = Tdesignh if TOL       4.50         CdT Tj = TOL or Pdh Tj = Tdesignh if TOL       4.50         CdT Tj = TOL or Pdh Tj = Tdesignh if TOL       4.	•	1 17 kW	
Pdh Tj = -15°C (if TOL       4.80         COP Tj = -15°C (if TOL       4.92         Cdh Tj = -15°C (if TOL       0.90         EN 12102-1   Warmer Climate       Medium temperature         Sound power level indoor       45 dB(A)         EN 14825   Warmer Climate       Medium temperature         Sound power level indoor       45 dB(A)         EN 14825   Warmer Climate       Medium temperature         Ns       187 %         Prated       5.00 kW         SCOP       4.87         Tbiv       2 °C         TOL       0 °C         Pdh Tj = +2°C       4.80 kW         COP Tj = +7°C       4.80 kW         COP Tj = +7°C       4.80 kW         COP Tj = +7°C       4.80 kW         COP Tj = 12°C       5.29         Cdh Tj = 12°C       0.900         Pdh Tj = Tol or Pdh Tj = Tdesignh if TOL       4.50         COP Tj = Tol or Pdh Tj = Tdesignh if TOL       4.50         COP Tj = TOL or Pdh Tj = Tdesignh if TOL       4.50         COP Tj = TOL or Pdh Tj = Tdesignh if TOL       4.50         Cdh Tj = TOL or Pdh Tj			
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           EN 14825   Warmer Climate         Low temperature         Medium temperature           Prated         5.00 kW         SCOP         4.87           Tbiv         2 °C         SCOP         4.87           ToL         0 °C         O'C         O'C           Pdh Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = 12°C         4.80 kW         COP Tj = 12°C         5.29           Cdh Tj = +12°C         0.900         Pdh Tj = ToL or Pdh Tj = Tdesignh if TOL         4.50           Pdh Tj = TDL or Pdh Tj = Tdesignh if TOL         4.50         Free Sourd           COP Tj = ToL or COP Tj = Tdesignh if TOL         4.50         Free Sourd           CH Tg = TOL or Pdh Tj = Tdesignh if TOL         4.50         Fredsignh <td></td> <td></td> <td></td>			
Cdh Tj = -15 °C         0.90           EN 12102-1   Warmer Climate         Low temperature         Medium temperature           Sound power level indoor         Low temperature         Medium temperature           FN 14825   Warmer Climate         Low temperature         Medium temperature           I87 %         Prated         5.00 kW         Medium temperature           SCOP         4.87         Medium temperature         Medium temperature           Tbiv         2 °C         Medium temperature         Medium temperature           OP Tj = +2°C         4.87         Medium temperature         Medium temperature           OP Tj = +2°C         4.80 kW         COP Tj = +2°C         Medium temperature           OP Tj = +2°C         4.80 kW         COP Tj = +2°C         4.50           Cdh Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = +2°C         4.80 kW         COP Tj = +2°C         4.80 kW           COP Tj = 12°C         5.29         4.80 kW         4.80 kW           COP Tj = +12°C         4.90 kW         4.80 kW         4.80 kW           COP Tj = Tobiv         4.80 kW         4.80 kW         4.80 kW           COP Tj = Tobiv         4.80 kW         4.80 kW         4.80 kW <t< td=""><td></td><td></td><td></td></t<>			
EN 12102-1   Warmer Climate         Low temperature         Medium temperature           Sound power level indoor         45 dB(A)         Medium temperature           EN 14825   Warmer Climate         Low temperature         Medium temperature           ns         187 %         Medium temperature         Medium temperature           prated         5.00 kW         SCOP         4.87           SCOP         4.87         SCOP         COP           ToL         0 °C         OC         SCOP         4.80 kW           COP Tj = +2°C         4.80 kW         SCOP         CO         SCOP         4.80 kW         SCOP         SCOP TJ = T?C         SCOP SCOP         SCOP T	-		
Low temperature         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Low temperature         Medium temperature           ŋs         187 %         Medium temperature           Prated         5.00 kW         SCOP         4.87           SCOP         4.87         SCOP         4.87           ToL         0 °C         O °C         SCOP         4.80 kW           COP Tj = +2°C         4.80 kW         SCOP         SCOP         4.80 kW           COP Tj = +2°C         4.80 kW         SCOP		0.90	
Low temperature         Medium temperature           Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Low temperature         Medium temperature           ŋs         187 %         Medium temperature           Prated         5.00 kW         SCOP         4.87           SCOP         4.87         SCOP         4.87           ToL         0 °C         O °C         SCOP         4.80 kW           COP Tj = +2°C         4.80 kW         SCOP         SCOP         4.80 kW           COP Tj = +2°C         4.80 kW         SCOP	EN 12102-1   Warmer Climate		
Sound power level indoor         45 dB(A)           EN 14825   Warmer Climate         Low temperature         Medium temperature           ns         187 %           Prated         5.00 kW           SCOP         4.87           Tolu         0 °C           Pdh Tj = +2°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = 12°C         0.900           Pdh Tj = 12°C         0.900           Pdh Tj = 12°C         0.900           Pdh Tj = 12°C         5.29           Cdh Tj = +12 °C         0.900           Pdh Tj = Tol cor CoP Tj = Tdesignh if TOL         4.50           COP Tj = Toliv         4.50 kW           COP Tj = Tol cor CoP Tj = Tdesignh if TOL         4.50           < Tdesignh			
EN 14825   Warmer Climate         Low temperature         Medium temperature           ns         187 %         Parlated         5.00 kW           SCOP         4.87         Parlated         S.00 kW           SCOP         4.87         Parlated         S.00 kW           SCOP         4.87         Parlated         S.00 kW           COP Tj         9 °C         Parlated         S.00 kW           COP Tj = +2°C         4.80 kW         COP Tj = +2°C         O.900           Pdh Tj = +2°C         4.80 kW         COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW         COP Tj = +7°C         0.900           Pdh Tj = 12°C         4.90 kW         COP Tj = 12°C         5.29           Cdh Tj = +1 °C         0.900         Pdh Tj = 12°C         5.29           Cdh Tj = Tbiv         4.80 kW         COP Tj = Tbiv         4.80 kW           COP Tj = Tbiv         4.80 kW         COP Tj = Tbiv         4.80 kW           COP Tj = Tol or COP Tj = Tdesignh if TOL         4.50         Pdf Tj = TOL or COP Tj = Tdesignh if TOL           < Tdesignh			Medium temperature
Low temperature         Medium temperature           ns         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         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = 12°C         4.90 kW           COP Tj = 12°C         4.90 kW           COP Tj = 12°C         9.90 kW           COP Tj = 12°C         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = ToL or CDT Tj = Tdesignh if TOL         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = ToL or COP Tj = Tdesignh if TOL         4.50           YTOL         4.50           VTOL         65 °C           Poff         0W           PTO         54 W           PSB         9 W           PCK         0 W           Supplementary Heater: Type of energy input         Ectricity	Sound power level indoor	45 dB(A)	
Low temperature         Medium temperature           ns         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         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = 12°C         4.90 kW           COP Tj = 12°C         4.90 kW           COP Tj = 12°C         9.90 kW           COP Tj = 12°C         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = ToL or CDT Tj = Tdesignh if TOL         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = ToL or COP Tj = Tdesignh if TOL         4.50           YTOL         4.50           VTOL         65 °C           Poff         0W           PTO         54 W           PSB         9 W           PCK         0 W           Supplementary Heater: Type of energy input         Ectricity	EN 14825   Warmer Climate		
ns         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         4.80 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 kW           COP 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 = 12 °C         5.29           Cdh Tj = Tbiv         4.50           VCOP Tj = Tbiv         4.50           Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL         4.80 kW           < Tdesignh		<b>.</b>	· · · · · ·
Prated         5.00 kW           SCOP         4.87           Tbiv         2 °C           TOL         0 °C           Pdh Tj = +2°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = +7°C         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = +12 °C         0.900           Pdh Tj = Tbiv         4.80 kW           COP Tj = 12°C         5.29           Cdh Tj = +12 °C         0.900           Pdh Tj = Tbiv         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = TOL or Pdh Tj = Tdesignh if TOL         4.80 kW           < Tdesignh		-	Medium temperature
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 = 12°C         0.900           Pdh Tj = 12°C         4.90 kW           COP Tj = 12°C         0.900           Pdh Tj = 12°C         0.900           Pdh Tj = Tol×         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = ToL or Pdh Tj = Tdesignh if TOL         4.80 kW           < Tdesignh			
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 kW           COP Tj = +7°C         4.80 kW           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         4.80 kW           COP Tj = Tbiv         4.80 kW           COP Tj = Tbiv         4.50           Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL         4.80 kW           < Tdesignh			
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 kW         COP Tj = +7°C       0.900         Pdh Tj = 12°C       0.900         Pdh Tj = 12°C       5.29         Cdh Tj = +12 °C       0.900         Pdh Tj = Tbiv       4.80 kW         COP Tj = Tbiv       4.80 kW         COP Tj = Tbiv       4.80 kW         COP Tj = Tol or Pdh Tj = Tdesignh if TOL       4.50         Pdh Tj = TOL or COP Tj = Tdesignh if TOL       4.50         < Tdesignh			
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 kW         COP 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 = ToL or Pdh Tj = Tdesignh if TOL       4.80 kW         < Tdesignh			
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       0.900         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       4.80 kW         < Tdesignh		0 °C	
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       4.80 kW         COP Tj = Tbiv       4.50         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL       4.80 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL       4.50         < Tdesignh	$Pdh Tj = +2^{\circ}C$	4.80 kW	
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       4.80 kW         COP Tj = Tbiv       4.50         Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL       4.80 kW         COP Tj = TOL or COP Tj = Tdesignh if TOL       4.80 kW         < Tdesignh	COP Tj = +2°C	4.50	
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       4.80 kW         < Tdesignh	Cdh Tj = +2 °C	0.900	
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       4.80 kW         < Tdesignh	$Pdh Tj = +7^{\circ}C$	4.80 kW	
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       4.80 kW         < Tdesignh	COP Tj = +7°C	4.80	
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       4.80 kW         < Tdesignh	Cdh Tj = +7 °C	0.900	
Cdh Tj = +12 °C0.900Pdh Tj = Tbiv4.80 kWCOP Tj = Tbiv4.50Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL4.80 kW< Tdesignh	Pdh Tj = 12°C	4.90 kW	
Pdh Tj = Tbiv4.80 kWCOP Tj = Tbiv4.50Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL4.80 kW< Tdesignh	$COP Tj = 12^{\circ}C$	5.29	
COP Tj = Tbiv4.50Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL4.80 kW< Tdesignh	Cdh Tj = +12 °C	0.900	
COP Tj = Tbiv4.50Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL4.80 kW< Tdesignh	Pdh Tj = Tbiv	4.80 kW	
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL4.80 kW< Tdesignh	-	4.50	
< Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 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 Supplementary Heater: PSUP 0.20 kW			
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh			
< Tdesignh 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 Supplementary Heater: PSUP 0.20 kW		4.50	
< TdesignhWTOL65 °CPoff0 WPTO54 WPSB9 WPCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW	< Tdesignh		
WTOL65 °CPoff0 WPTO54 WPSB9 WPCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
Poff0 WPTO54 WPSB9 WPCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
PTO54 WPSB9 WPCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
PSB9 WPCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
PCK0 WSupplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
Supplementary Heater: Type of energy inputElectricitySupplementary Heater: PSUP0.20 kW			
input Supplementary Heater: PSUP 0.20 kW			
Supplementary Heater: PSUP 0.20 kW		Electricity	
	•	0.00.111	
Annual energy consumption Qhe 1310 kWh			
	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 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 = $-7^{\circ}$ C	4.80 kW	4.30 kW		
$COP Tj = -7^{\circ}C$	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		
$(ab) = \pm 1$	0.90	0.90		
Cdh Tj = +7 °C	4.00.1144	4 70 1 14		
Pdh Tj = $12^{\circ}C$	4.90 kW	4.70 kW		
Pdh Tj = 12°C COP Tj = 12°C	5.52	4.18		
$Pdh Tj = 12^{\circ}C$				



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
РТО	54 W	54 W
PSB	9 W	9 W
РСК	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)	Heating (low temp)	
Units	Indoor		
Climate zone (for heating)	Warmer Climate, Colder Clin	nate	
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	•		
Complete power supply failure Defrost test	passed passed		
	passed		
Starting and operating test	passeu		
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 = $+2^{\circ}$ C	4.80 kW		
COP Tj = +2°C	4.87		
Cdh Tj = +2 °C	0.90		
$Pdh Tj = +7^{\circ}C$	4.90 kW		
$COP Tj = +7^{\circ}C$	5.18		
Cdh Tj = +7 °C	0.90		
Cdh Tj = $+7 \text{ °C}$ Pdh Tj = $12 \text{ °C}$	0.90 4.90 kW		
Pdh Tj = $12^{\circ}$ C			
-	4.90 kW		
Pdh Tj = $12^{\circ}$ C COP Tj = $12^{\circ}$ C	4.90 kW 5.52		



Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL	4.80 kW	
< Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL	4.50	
< Tdesignh		
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	
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	
$COP Tj = -7^{\circ}C$	5.03	
Cdh Tj = -7 °C	0.90	
$Pdh Tj = +2^{\circ}C$	4.90 kW	
COP Tj = +2°C	5.27	
Cdh Tj = +2 °C	0.90	
$Pdh Tj = +7^{\circ}C$	4.90 kW	
COP Tj = +7°C	5.47	
Cdh Tj = +7 °C	0.90	
$Pdh Tj = 12^{\circ}C$	4.90 kW	
$COP Tj = 12^{\circ}C$	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	



РСК	0 W	
Supplementary Heater: Type of energy	Electricity	
input	Licethery	
Supplementary Heater: PSUP	1.17 kW	
Annual energy consumption Qhe	2888 kWh	
Pdh Tj = $-15^{\circ}$ C (if TOL	4.80	
$COP T_j = -15^{\circ}C$ (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	
$Pdh Tj = +2^{\circ}C$	4.80 kW	
$COP T_j = +2°C$	4.50	
Cdh Tj = +2 °C	0.900	
$Pdh Tj = +7^{\circ}C$	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	4.80 kW	
< Tdesignh		
COP Tj = TOL or COP Tj = Tdesignh if TOL	4.50	
< Tdesignh		
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	Electricity	
input	,	
Supplementary Heater: PSUP	0.20 kW	
Annual energy consumption Qhe	1310 kWh	



Model M/BC 04 cool average climates		
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 12102-1   Average Climate		
Country and a second sec	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	
	4.92 -10 °C	3.40
Tbiv	-10 °C	3.40 -10 °C
Tbiv TOL	-10 °C -10 °C	3.40 -10 °C -10 °C
Tbiv TOL Pdh Tj = -7°C	-10 °C -10 °C 4.80 kW	3.40 -10 °C -10 °C 4.30 kW
Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C	-10 °C -10 °C 4.80 kW 4.55	3.40 -10 °C -10 °C 4.30 kW 2.85
Tbiv TOL Pdh Tj = -7°C COP Tj = -7°C Cdh Tj = -7 °C	-10 °C -10 °C 4.80 kW	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C Pdh Tj = $+7^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW 5.18	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW 3.73
TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW 5.18 0.90	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW 3.73 0.90
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C Pdh Tj = $+7^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW 5.18	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW 3.73
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Pdh Tj = $+7^{\circ}$ C Pdh Tj = $+7^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW 5.18 0.90 4.90 kW	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW 3.73 0.90 4.70 kW
Tbiv TOL Pdh Tj = $-7^{\circ}$ C COP Tj = $-7^{\circ}$ C Cdh Tj = $-7^{\circ}$ C Pdh Tj = $+2^{\circ}$ C COP Tj = $+2^{\circ}$ C Cdh Tj = $+2^{\circ}$ C Pdh Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C COP Tj = $+7^{\circ}$ C Pdh Tj = $12^{\circ}$ C Pdh Tj = $12^{\circ}$ C	-10 °C -10 °C 4.80 kW 4.55 0.90 4.80 kW 4.87 0.90 4.90 kW 5.18 0.90 4.90 kW 5.18	3.40 -10 °C -10 °C 4.30 kW 2.85 0.90 4.50 kW 3.35 0.90 4.60 kW 3.73 0.90 4.70 kW 4.18



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
РТО	54 W	54 W
PSB	9 W	9 W
РСК	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