

Summary of	WPF 10, WPF 10 cool, WPC 10, WPC 10 cool	Reg. No.	011-1W0010	
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			
Name of testing laboratory	VDE Prüf- und Zertifizierungsinstitut			
Subtype title	WPF 10, WPF 10 cool, WPC 10, WPC 10 cool			
Heat Pump Type	Brine/Water			
Refrigerant	R410a			
Mass Of Refrigerant	2.03 kg			
Certification Date	23.08.2016			



Model: WPF 10

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	10.31 kW	9.28 kW	
El input	2.05 kW	3.18 kW	
СОР	5.02	2.91	
Indoor water flow rate	2.60 m³/h	2.20 m³/h	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	216 %	137 %
Prated	10.00 kW	9.00 kW
SCOP	5.61	3.63
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.20 kW
COP Tj = -7°C	2.97	2.97
Pdh Tj = +2°C	9.60 kW	9.60 kW
COP Tj = +2°C	3.56	3.56
Pdh Tj = $+7^{\circ}$ C	9.90 kW	9.90 kW
COP Tj = +7°C	4.03	4.03
Pdh Tj = 12°C	10.10 kW	10.10 kW
COP Tj = 12°C	4.60	4.60
Pdh Tj = Tbiv	10.30 kW	9.10 kW





COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	o w	0 W
PTO	84 W	84 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	3799 kWh	5167 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 1482	25	
	Low temperature	Medium temperature





ηs	215 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.59	3.60
Tbiv	2 °C	2 °C
TOL	0 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	10.30 kW	9.10 kW
COP Tj = +2°C	5.03	2.83
Pdh Tj = +7°C	10.40 kW	9.50 kW
$COP Tj = +7^{\circ}C$	5.43	3.28
Pdh Tj = 12°C	10.60 kW	10.00 kW
COP Tj = 12°C	6.10	4.21
Pdh Tj = Tbiv	10.30 kW	9.10 kW
COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	91.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.03	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C





Poff	o w	o w
PTO	84 W	84 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	2466 kWh	3367 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 14825			
	Low temperature	Medium temperature	
η_{s}	224 %	224 %	
Prated	13.00 kW	13.00 kW	
SCOP	5.81	5.80	
Tbiv	-15 °C	-15 °C	
TOL	-22 °C	-22 °C	





This information was genera	ted by the HF KETMAR	RK database on 18 Dec 2020
Pdh Tj = -7°C	10.50 kW	10.50 kW
COP Tj = -7°C	5.75	5.74
Pdh Tj = +2°C	10.60 kW	10.60 kW
COP Tj = +2°C	6.07	6.07
Pdh Tj = +7°C	10.70 kW	10.70 kW
$COP Tj = +7^{\circ}C$	6.36	6.36
Pdh Tj = 12°C	10.70 kW	10.70 kW
COP Tj = 12°C	6.40	6.40
Pdh Tj = Tbiv	10.50 kW	10.50 kW
COP Tj = Tbiv	5.60	5.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.60	5.03
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	84 W	84 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.55 kW	2.55 kW



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Annual energy consumption Qhe	5457 kWh	5457 kWh



Model: WPF 10 cool

General Data	
Power supply 3x400V 50Hz	

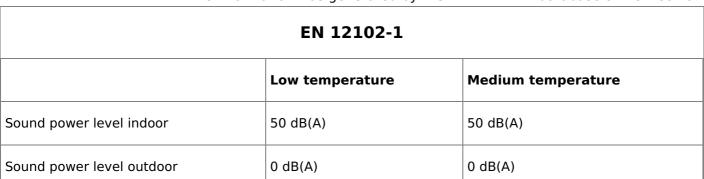
Heating

EN 14511-4			
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed		
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed		
Shutting off the heat transfer medium flow	passed		
Complete power supply failure	passed		
Defrost test	passed		

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	10.31 kW	9.28 kW	
El input	2.05 kW	3.18 kW	
СОР	5.02	2.91	
Indoor water flow rate	2.60 m³/h	2.20 m³/h	

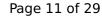
Average Climate





CEN heat pump

EN 14825			
	Low temperature	Medium temperature	
η_{S}	216 %	137 %	
Prated	10.00 kW	9.00 kW	
SCOP	5.61	3.63	
Tbiv	-10 °C	-10 °C	
TOL	-20 °C	-10 °C	
Pdh Tj = -7°C	9.20 kW	9.20 kW	
COP Tj = -7°C	2.97	2.97	
Pdh Tj = +2°C	9.60 kW	9.60 kW	
COP Tj = +2°C	3.56	3.56	
Pdh Tj = $+7^{\circ}$ C	9.90 kW	9.90 kW	
$COP Tj = +7^{\circ}C$	4.03	4.03	
Pdh Tj = 12°C	10.10 kW	10.10 kW	
COP Tj = 12°C	4.60	4.60	
Pdh Tj = Tbiv	10.30 kW	9.10 kW	





COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	84 W	84 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	3799 kWh	5167 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	50 dB(A)	50 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 14825			
	Low temperature Medium temperature		





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η_s	215 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.59	3.60
Tbiv	2 °C	2 °C
TOL	0 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
$COPTj = -7^{\circ}C$	0.00	0.00
Pdh Tj = $+2$ °C	10.30 kW	9.10 kW
$COPTj = +2^{\circ}C$	5.03	2.83
Pdh Tj = $+7^{\circ}$ C	10.40 kW	9.50 kW
$COPTj = +7^{\circ}C$	5.43	3.28
Pdh Tj = 12°C	10.60 kW	10.00 kW
COP Tj = 12°C	6.10	4.21
Pdh Tj = Tbiv	10.30 kW	9.10 kW
COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	10.30 kW	91.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.03	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C





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This information w	as generated by	the HP KEYMARK	database on 1	8 Dec 2020

Poff	o w	o w
PTO	84 W	84 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	2466 kWh	3367 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	50 dB(A)	50 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
Low temperature	Medium temperature	
224 %	224 %	
13.00 kW	13.00 kW	
5.81	5.80	
-15 °C	-15 °C	
-22 °C	-22 °C	
	Low temperature 224 % 13.00 kW 5.81 -15 °C	





3	,	
Pdh Tj = -7° C	10.50 kW	10.60 kW
COP Tj = -7°C	5.75	6.07
Pdh Tj = +2°C	10.60 kW	10.70 kW
COP Tj = +2°C	6.07	6.36
Pdh Tj = +7°C	10.70 kW	10.70 kW
$COP Tj = +7^{\circ}C$	6.36	6.36
Pdh Tj = 12°C	10.70 kW	10.47 kW
COP Tj = 12°C	6.40	6.40
Pdh Tj = Tbiv	10.50 kW	10.50 kW
COP Tj = Tbiv	5.60	5.60
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	10.30 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.60	5.03
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	0 W
РТО	84 W	84 W
PSB	9 W	9 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.55 kW	0.00 kW



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Annual energy consumption Qhe	5457 kWh	5457 kWh

Model: WPC 10

General Data	
Power supply 3x400V 50Hz	

Heating

EN 14511-4	
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.31 kW	9.28 kW
El input	2.05 kW	3.18 kW
СОР	5.02	2.91
Indoor water flow rate	2.60 m³/h	2.20 m³/h

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	216 %	137 %
Prated	10.00 kW	9.00 kW
SCOP	5.61	3.63
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.20 kW
COP Tj = -7°C	2.97	2.97
Pdh Tj = +2°C	9.60 kW	9.60 kW
COP Tj = +2°C	3.56	3.56
Pdh Tj = $+7^{\circ}$ C	9.90 kW	9.90 kW
COP Tj = +7°C	4.03	4.03
Pdh Tj = 12°C	10.10 kW	10.10 kW
COP Tj = 12°C	4.60	4.60
Pdh Tj = Tbiv	10.30 kW	9.10 kW



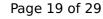


COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	o w	o w
РТО	84 W	84 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3799 kWh	5167 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature





Ns	215 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.59	3.60
⁻ biv	2 °C	2 °C
OL	0 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	10.30 kW	9.10 kW
COP Tj = +2°C	5.03	2.83
Pdh Tj = +7°C	10.40 kW	9.50 kW
$COP Tj = +7^{\circ}C$	5.43	3.28
Pdh Tj = 12°C	10.60 kW	10.00 kW
COP Tj = 12°C	6.10	4.21
Pdh Tj = Tbiv	10.30 kW	9.10 kW
COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.03	2.83
ated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
VTOL	65 °C	65 °C



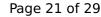


Poff	o w	0 W
PTO	84 W	84 W
PSB	9 W	9 W
PCK	o w	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	2466 kWh	3367 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	224 %	144 %
Prated	13.00 kW	12.00 kW
SCOP	5.81	5.80
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C





Pdh Tj = -7°C	10.50 kW	9.60 kW
COP Tj = -7°C	5.75	3.55
Pdh Tj = +2°C	10.60 kW	9.90 kW
COP Tj = +2°C	6.07	4.03
Pdh Tj = +7°C	10.70 kW	10.10 kW
$COP Tj = +7^{\circ}C$	6.36	4.48
Pdh Tj = 12°C	10.70 kW	10.30 kW
COP Tj = 12°C	6.40	4.87
Pdh Tj = Tbiv	10.50 kW	9.50 kW
COP Tj = Tbiv	5.60	3.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.60	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	o w
РТО	84 W	84 W
PSB	9 W	9 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.55 kW	2.50 kW



 $$\operatorname{\textit{Page}}\xspace$ 22 of 29 This information was generated by the HP KEYMARK database on 18 Dec 2020

Annual energy consumption Qhe	5457 kWh	7549 kWh

Model: WPC 10 cool

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-4		
Operating range outdoor exchanger/indoor exchanger lower limit/lower limit	passed	
Operating range outdoor exchanger/indoor exchanger upper limit/upper limit	passed	
Shutting off the heat transfer medium flow	passed	
Complete power supply failure	passed	
Defrost test	passed	

EN 14511-2		
	Low temperature	Medium temperature
Heat output	10.31 kW	9.28 kW
El input	2.05 kW	3.18 kW
СОР	5.02	2.91
Indoor water flow rate	2.60 m³/h	2.20 m³/h

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	216 %	137 %
Prated	10.00 kW	9.00 kW
SCOP	5.61	3.63
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	9.20 kW	9.20 kW
COP Tj = -7°C	2.97	2.97
Pdh Tj = +2°C	9.60 kW	9.60 kW
COP Tj = +2°C	3.56	3.56
Pdh Tj = $+7^{\circ}$ C	9.90 kW	9.90 kW
COP Tj = +7°C	4.03	4.03
Pdh Tj = 12°C	10.10 kW	10.10 kW
COP Tj = 12°C	4.60	4.60
Pdh Tj = Tbiv	10.30 kW	9.10 kW





COP Tj = Tbiv	5.03	2.83
COF IJ = IDIV	3.03	2.03
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.83	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	o w	0 W
РТО	84 W	84 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	3799 kWh	5167 kWh

Warmer Climate

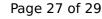
EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	52 dB(A)	52 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 14825		
	Low temperature	Medium temperature





5		TMARK database on 16 Dec 2
η_{S}	215 %	136 %
Prated	10.00 kW	9.00 kW
SCOP	5.59	3.60
Tbiv	2 °C	2 °C
TOL	0 °C	0 °C
Pdh Tj = -7°C	0.00 kW	0.00 kW
COP Tj = -7°C	0.00	0.00
Pdh Tj = +2°C	10.30 kW	9.10 kW
COP Tj = +2°C	5.03	2.83
Pdh Tj = +7°C	10.40 kW	9.50 kW
COP Tj = +7°C	5.43	3.28
Pdh Tj = 12°C	10.60 kW	10.00 kW
COP Tj = 12°C	6.10	4.21
Pdh Tj = Tbiv	10.30 kW	9.10 kW
COP Tj = Tbiv	5.03	2.83
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.30 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.03	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C





Poff	o w	0 W
PTO	84 W	84 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	2466 kWh	3367 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	52 dB(A)	52 dB(A)	
Sound power level outdoor	0 dB(A)	0 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	224 %	144 %
Prated	13.00 kW	12.00 kW
SCOP	5.81	3.80
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C





Pdh Tj = -7°C	10.50 kW	9.60 kW
COP Tj = -7°C	5.75	3.55
Pdh Tj = +2°C	10.60 kW	9.90 kW
COP Tj = +2°C	6.07	4.03
Pdh Tj = +7°C	10.70 kW	10.10 kW
COP Tj = +7°C	6.36	4.48
Pdh Tj = 12°C	10.70 kW	10.30 kW
COP Tj = 12°C	6.40	4.87
Pdh Tj = Tbiv	10.50 kW	9.50 kW
COP Tj = Tbiv	5.60	3.30
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	10.50 kW	9.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.60	2.83
Rated airflow rate	0 m³/h	0 m³/h
Cdh	0.90	0.90
WTOL	65 °C	65 °C
Poff	0 W	o w
РТО	84 W	84 W
PSB	9 W	9 W
РСК	0 W	o w
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	2.55 kW	2.50 kW



Annual energy consumption Qhe	5457 kWh	7549 kWh
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