This information was generated by the HP KEYMARK database on 18 Dec 2020

Summary of	WPF 13, WPF 13 cool, WPC 13, WPC 13 cool	Reg. No.	011-1W0021
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	WPF 13, WPF 13 cool, WPC 13, WPC 13 cool		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.3 kg		
Certification Date	23.08.2016		

Model: WPF 13

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	13.21 kW	11.99 kW
El input	2.73 kW	3.93 kW
COP	4.83	3.04
Indoor water flow rate	1.00 m³/h	1.00 m³/h

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	203 %	142 %
Prated	13.00 kW	12.00 kW
SCOP	5.26	3.75
Tbiv	2 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	12.10 kW
COP Tj = -7°C	3.05	3.18
Cdh		
Pdh Tj = +2°C	12.00 kW	12.50 kW
COP Tj = +2°C	3.05	3.69
Cdh		
Pdh Tj = +7°C	12.40 kW	12.80 kW
COP Tj = +7°C	3.45	4.08
Cdh		
Pdh Tj = 12°C	12.90 kW	13.10 kW

COP Tj = 12°C	4.23	4.54
Cdh		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
COP Tj = Tbiv	4.84	3.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	3.05
WTOL	65 °C	65 °C
Poff	0 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	5186 kWh	6603 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	202 %	141 %
Prated	13.00 kW	12.00 kW
SCOP	5.25	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.20 kW	12.00 kW
COP Tj = +2°C	4.84	3.05
Cdh		
Pdh Tj = +7°C	13.30 kW	12.40 kW
COP Tj = +7°C	5.13	3.45
Cdh		
Pdh Tj = 12°C	13.50 kW	12.90 kW
COP Tj = 12°C	5.61	4.23
Cdh		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
COP Tj = Tbiv	4.84	3.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.20 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	3.05
WTOL	65 °C	65 °C
Poff	0 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	3361 kWh	4287 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	208 %	147 %
Prated	16.00 kW	15.00 kW
SCOP	5.39	3.88
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	13.40 kW	12.50 kW
COP Tj = -7°C	5.25	3.68
Cdh		

Pdh Tj = +2°C	13.50 kW	12.80 kW
COP Tj = +2°C	5.59	4.08
Cdh		
Pdh Tj = +7°C	13.60 kW	13.00 kW
COP Tj = +7°C	5.78	4.44
Cdh		
Pdh Tj = 12°C	13.60 kW	13.20 kW
COP Tj = 12°C	5.82	4.75
Cdh		
Pdh Tj = Tbiv	13.40 kW	12.40 kW
COP Tj = Tbiv	5.25	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.40 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.25	3.05
WTOL	65 °C	65 °C
Poff	0 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	3.21 kW	3.16 kW
Annual energy consumption Qhe	7507 kWh	9647 kWh

Model: WPF 13 (cool)

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	13.21 kW	11.99 kW
El input	2.73 kW	3.93 kW
COP	4.83	3.04
Indoor water flow rate	1.00 m³/h	1.00 m³/h

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	203 %	142 %
Prated	13.00 kW	12.00 kW
SCOP	5.26	3.75
Tbiv	2 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	12.00 kW	12.10 kW
COP Tj = -7°C	3.05	3.18
Cdh		
Pdh Tj = +2°C	12.00 kW	12.50 kW
COP Tj = +2°C	3.05	3.69
Cdh		
Pdh Tj = +7°C	12.40 kW	12.80 kW
COP Tj = +7°C	3.45	4.08
Cdh		
Pdh Tj = 12°C	12.90 kW	13.10 kW

COP Tj = 12°C	4.23	4.54
Cdh		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
COP Tj = Tbiv	4.84	3.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.00 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	3.05
WTOL	65 °C	65 °C
Poff	0 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	5186 kWh	6603 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	202 %	141 %
Prated	13.00 kW	12.00 kW
SCOP	5.25	3.73
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	13.20 kW	12.00 kW
COP Tj = +2°C	4.84	3.05
Cdh		
Pdh Tj = +7°C	13.30 kW	12.40 kW
COP Tj = +7°C	5.13	3.45
Cdh		
Pdh Tj = 12°C	13.50 kW	12.90 kW
COP Tj = 12°C	5.61	4.23
Cdh		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
COP Tj = Tbiv	4.84	3.05
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.20 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	3.05
WTOL	65 °C	65 °C
Poff	0 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	3361 kWh	4287 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	51 dB(A)	51 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	208 %	147 %
Prated	16.00 kW	15.00 kW
SCOP	5.39	3.88
Tbiv	-15 °C	-15 °C
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Cdh		

Pdh Tj = +2°C	13.50 kW	12.80 kW
COP Tj = +2°C	5.59	4.08
Cdh		
Pdh Tj = +7°C	13.60 kW	13.00 kW
COP Tj = +7°C	5.78	4.44
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Pdh Tj = 12°C	13.60 kW	13.20 kW
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Cdh		
Pdh Tj = Tbiv	13.40 kW	12.40 kW
COP Tj = Tbiv	5.25	3.46
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	13.40 kW	12.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.25	3.05
WTOL	65 °C	65 °C
Poff	0 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	3.21 kW	3.16 kW
Annual energy consumption Qhe	7507 kWh	9647 kWh

Model: WPC 13

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	13.21 kW	11.99 kW
El input	2.73 kW	3.93 kW
COP	4.83	3.04
Indoor water flow rate	1.00 m³/h	1.00 m³/h

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

Average Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
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COP Tj = +2°C	3.05	3.69
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COP Tj = +7°C	3.45	4.08
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Cdh		
Pdh Tj = Tbiv	13.20 kW	12.00 kW
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.84	3.05
WTOL	65 °C	65 °C
Poff	0 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	5186 kWh	6603 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	202 %	141 %
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SCOP	5.25	3.73
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Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3361 kWh	4287 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	53 dB(A)	53 dB(A)

EN 14825		
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WTOL	65 °C	65 °C
Poff	0 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	3.21 kW	3.16 kW
Annual energy consumption Qhe	7507 kWh	9647 kWh

Model: WPC 13 (cool)

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	13.21 kW	11.90 kW
El input	2.73 kW	3.93 kW
COP	4.83	3.04
Indoor water flow rate	1.00 m³/h	1.00 m³/h

EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
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Average Climate

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Poff	0 W	0 W
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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	5186 kWh	6603 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	53 dB(A)	53 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	202 %	141 %
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Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3361 kWh	4287 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	53 dB(A)	53 dB(A)

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