Login

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

Configure model	
Model name	WPF 13
Application	Heating (medium 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	**Medium temperature**
Heat output	13.21 kW	11.99 kW
El input	2.73 kW	3.93 kW
COP	4.83	3.04

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

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 Tj = +2 °C		
Pdh Tj = +7°C	13.30 kW	12.40 kW
COP Tj = +7°C	5.13	3.45
Cdh Tj = +7 °C		
Pdh Tj = 12°C	13.50 kW	12.90 kW
COP Tj = 12°C	5.61	4.23
Cdh Tj = +12 °C		
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 Tj = -7 °C		
Pdh Tj = +2°C	13.50 kW	12.80 kW
COP Tj = +2°C	5.59	4.08
Cdh Tj = +2 °C		
Pdh Tj = +7°C	13.60 kW	13.00 kW
COP Tj = +7°C	5.78	4.44
Cdh Tj = +7 °C		
Pdh Tj = 12°C	13.60 kW	13.20 kW
COP Tj = 12°C	5.82	4.75
Cdh Tj = +12 °C		
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
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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

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 Tj = -7 °C		
Pdh Tj = +2°C	12.00 kW	12.50 kW
COP Tj = +2°C	3.05	3.69
Cdh Tj = +2 °C		
Pdh Tj = +7°C	12.40 kW	12.80 kW
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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

Model: WPF 13 (cool)

Configure model	
Model name	WPF 13 (cool)
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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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

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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	5186 kWh	6603 kWh

Model: WPC 13

Configure model	
Model name	WPC 13
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

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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

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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

Average Climate

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

EN 14825		
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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	5186 kWh	6603 kWh

Model: WPC 13 (cool)

Configure model	
Model name	WPC 13 (cool)
Application	Heating (medium 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	**Medium temperature**
Heat output	13.21 kW	11.90 kW
El input	2.73 kW	3.93 kW
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EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
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Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
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