

Summary of	WPF 16 / WPF 16 cool	Reg. No.	011-1W0027
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	n/a		
Subtype title	WPF 16 / WPF 16 cool		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.35 kg		
Certification Date	13.10.2016		



Model: WPF 16, average climate

Gener	al 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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	17.02 kW	15.60 kW
El input	3.75 kW	4.45 kW
СОР	4.54	2.89
Indoor water flow rate	2.91 m³/h	2.91 m³/h

Average Climate



	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	53 dB(A)	53 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	189 %	134 %
Prated	17.00 kW	16.00 kW
SCOP	4.93	3.54
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	17.00 kW	15.90 kW
COP Tj = -7°C	4.59	3.01
Pdh Tj = +2°C	17.20 kW	16.30 kW
COP Tj = +2°C	4.88	3.49
Pdh Tj = +7°C	17.30 kW	16.60 kW
COP Tj = +7°C	5.16	3.85
Pdh Tj = 12°C	17.40 kW	16.90 kW
COP Tj = 12°C	5.48	4.27
Pdh Tj = Tbiv	17.00 kW	15.80 kW





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COP Tj = Tbiv	4.54	2.89
Pdh Tj = TOL	17.00 kW	15.80 kW
COP Tj = TOL	4.54	2.89
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	139 W	139 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	7128 kWh	9198 kWh

Warmer Climate

Colder Climate

Model: WPF 16, low temperature, all climates

Genera	al 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

EN 1451	L1-2
	Low temperature
Heat output	17.02 kW
El input	3.75 kW
СОР	4.54
Indoor water flow rate	2.91 m³/h

Average Climate



EN 12102-1	
	Low temperature
Sound power level indoor	53 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature
η_{s}	189 %
Prated	17.00 kW
SCOP	4.93
Tbiv	-10 °C
TOL	-20 °C
Pdh Tj = -7°C	17.00 kW
COP Tj = -7°C	4.59
Pdh Tj = +2°C	17.20 kW
COP Tj = +2°C	4.88
Pdh Tj = +7°C	17.30 kW
COP Tj = +7°C	5.16
Pdh Tj = 12°C	17.40 kW
COP Tj = 12°C	5.48
Pdh Tj = Tbiv	17.00 kW





COP Tj = Tbiv	4.54
Pdh Tj = TOL	17.00 kW
COP Tj = TOL	4.54
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C
Poff	o w
РТО	139 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	7128 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	53 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature



This information	
η_{s}	188 %
Prated	17.00 kW
SCOP	4.91
Tbiv	2 °C
TOL	2 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	17.00 kW
COP Tj = +2°C	4.54
Pdh Tj = +7°C	17.20 kW
COP Tj = +7°C	4.81
Pdh Tj = 12°C	17.40 kW
COP Tj = 12°C	5.26
Pdh Tj = Tbiv	17.00 kW
COP Tj = Tbiv	4.54
Pdh Tj = TOL	17.00 kW
COP Tj = TOL	4.54
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C



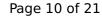


Poff	o w
РТО	139 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	4635 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level indoor	53 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature
η_{s}	194 %
Prated	21.00 kW
SCOP	5.06
Tbiv	-15 °C
TOL	-22 °C





Inis information was generated by the HP KEYMARK database on 17 Dec 2020		
Pdh Tj = -7°C	17.30 kW	
COP Tj = -7°C	5.02	
Pdh Tj = +2°C	17.30 kW	
$COP Tj = +2^{\circ}C$	5.24	
Pdh Tj = +7°C	17.40 kW	
$COPTj = +7^{\circ}C$	5.43	
Pdh Tj = 12°C	17.40 kW	
COP Tj = 12°C	5.46	
Pdh Tj = Tbiv	17.20 kW	
COP Tj = Tbiv	4.92	
Pdh Tj = TOL	17.20 kW	
COP Tj = TOL	4.92	
Rated airflow rate	0 m³/h	
Cdh	0.90	
WTOL	65 °C	
Poff	o w	
РТО	139 W	
PSB	9 W	
PCK	o w	
Supplementary Heater: Type of energy input	electricity	
Supplementary Heater: PSUP	4.07 kW	



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Annual energy consumption Qhe	10274 kWh



Model: WPF 16 cool, average climate

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

EN 14511-2		
	Low temperature	Medium temperature
Heat output	17.02 kW	15.60 kW
El input	3.75 kW	4.45 kW
СОР	4.54	2.89
Indoor water flow rate	2.91 m³/h	2.91 m³/h

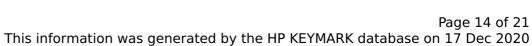
Average Climate



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	EN 12102-1	
	Low temperature	Medium temperature
Sound power level indoor	53 dB(A)	53 dB(A)
Sound power level outdoor	0 dB(A)	0 dB(A)

	EN 14825	
	Low temperature	Medium temperature
η_{s}	189 %	134 %
Prated	17.00 kW	16.00 kW
SCOP	4.93	3.54
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	17.00 kW	15.90 kW
COP Tj = -7°C	4.59	3.01
Pdh Tj = +2°C	17.20 kW	16.30 kW
COP Tj = +2°C	4.88	3.49
Pdh Tj = +7°C	17.30 kW	16.60 kW
COP Tj = +7°C	5.16	3.85
Pdh Tj = 12°C	17.40 kW	16.90 kW
COP Tj = 12°C	5.48	4.27
Pdh Tj = Tbiv	17.00 kW	15.80 kW



	Title database on 17 Dec 202
4.54	2.89
17.00 kW	15.80 kW
4.54	2.89
0 m³/h	0 m³/h
0.90	0.90
65 °C	65 °C
o w	o w
139 W	139 W
9 W	9 W
o w	o w
electricity	electricity
0.00 kW	0.00 kW
7128 kWh	9198 kWh
	4.54 17.00 kW 4.54 0 m³/h 0.90 65 °C 0 W 139 W 9 W 0 W electricity 0.00 kW

Warmer Climate

CEN heat pump KEYMARK

Colder Climate



Model: WPF 16 cool, low temperature, all climates

Genera	ai 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

EN 1451	11-2
	Low temperature
Heat output	17.02 kW
El input	3.75 kW
СОР	4.54
Indoor water flow rate	2.91 m³/h

Average Climate



 $$\operatorname{\textit{Page}}\ 16$$ of 21 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1	
	Low temperature
Sound power level indoor	53 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature
ηs	189 %
rated	17.00 kW
СОР	4.93
oiv	-10 °C
OL	-20 °C
dh Tj = -7°C	17.00 kW
OP Tj = -7°C	4.59
dh Tj = +2°C	17.20 kW
OP Tj = +2°C	4.88
dh Tj = +7°C	17.30 kW
OP Tj = +7°C	5.16
dh Tj = 12°C	17.40 kW
OP Tj = 12°C	5.48
dh Tj = Tbiv	17.00 kW





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COP Tj = Tbiv	4.54
Pdh Tj = TOL	17.00 kW
COP Tj = TOL	4.54
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C
Poff	o w
PTO	139 W
PSB	9 W
PCK	0 W
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	7128 kWh

Warmer Climate

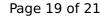
EN 12102-1	
	Low temperature
Sound power level indoor	53 dB(A)
Sound power level outdoor	0 dB(A)

EN 14825	
	Low temperature





η_{s}	188 %
Prated	17.00 kW
SCOP	4.91
Tbiv	2 °C
TOL	2 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	17.00 kW
COP Tj = +2°C	4.54
Pdh Tj = +7°C	17.20 kW
COP Tj = +7°C	4.81
Pdh Tj = 12°C	17.40 kW
COP Tj = 12°C	5.26
Pdh Tj = Tbiv	17.00 kW
COP Tj = Tbiv	4.54
Pdh Tj = TOL	17.00 kW
COP Tj = TOL	4.54
Rated airflow rate	0 m³/h
Cdh	0.90
WTOL	65 °C



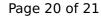


Poff	o w
РТО	139 W
PSB	9 W
PCK	o w
Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	4635 kWh

Colder Climate

EN 12102-1		
	Low temperature	
Sound power level indoor	53 dB(A)	
Sound power level outdoor	0 dB(A)	

EN 14825		
	Low temperature	
η_{S}	194 %	
Prated	21.00 kW	
SCOP	5.06	
Tbiv	-15 °C	
TOL	-22 °C	





This information was generated by the HP REYMARK database on 17 Dec 2020		
Pdh Tj = -7°C	17.30 kW	
COP Tj = -7°C	5.02	
Pdh Tj = +2°C	17.30 kW	
$COP Tj = +2^{\circ}C$	5.24	
Pdh Tj = $+7^{\circ}$ C	17.40 kW	
$COPTj = +7^{\circ}C$	5.43	
Pdh Tj = 12°C	17.40 kW	
COP Tj = 12°C	5.46	
Pdh Tj = Tbiv	17.20 kW	
COP Tj = Tbiv	4.92	
Pdh Tj = TOL	17.20 kW	
COP Tj = TOL	4.92	
Rated airflow rate	0 m³/h	
Cdh	0.90	
WTOL	65 °C	
Poff	0 W	
РТО	139 W	
PSB	9 W	
PCK	o w	
Supplementary Heater: Type of energy input	electricity	
Supplementary Heater: PSUP	4.07 kW	



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Annual energy consumption Qhe	10274 kWh
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