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Login

Summary of	WPF 7 basic	Reg. No.	011-1W0017	
Certificate Holder				
Name	STIEBEL ELTRON GmbH & Co	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603	
City	Holzminden	Country	Germany	
Certification Body	DIN CERTCO Gesellschaft für	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	WPF 7 basic	WPF 7 basic		
Heat Pump Type	Brine/Water	Brine/Water		
Refrigerant	R410A	R410A		
Mass of Refrigerant	2 kg	2 kg		
Certification Date	25.08.2016	25.08.2016		



Model: WPF 7 basic, all climates

Configure model			
Model name	WPF 7 basic, all climates		
Application	Heating (low 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		
Heat output	7.64 kW	
El input	1.70 kW	
СОР	4.50	

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

Average Climate



EN 12102-1	
	Low temperature
Sound power level indoor	55 dB(A)

EN 14825		
	Low temperature	
η_{s}	192 %	
Prated	8.00 kW	
SCOP	5.01	
Tbiv	-10 °C	
TOL	-20 °C	
Pdh Tj = -7°C	7.70 kW	
COP Tj = -7°C	4.56	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	7.80 kW	
COP Tj = +2°C	4.93	
Cdh Tj = +2 °C	0.90	
Pdh Tj = +7°C	7.80 kW	
COP Tj = +7°C	5.31	
Cdh Tj = +7 °C	0.90	
Pdh Tj = 12°C	7.90 kW	

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COP Tj = 12°C 5.74 Cdh Tj = +12 °C 0.90 Pdh Tj = Tbiv 7.60 kW COP Tj = Tbiv 4.49 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.49 WTOL 60 °C Poff 0 W PTO 78 W PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW Annual energy consumption Qhe 3153 kWh		
Pdh Tj = Tbiv 7.60 kW COP Tj = Tbiv 4.49 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.49 WTOL 60 °C Poff 0 W PTO 78 W PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = 12°C	5.74
COP Tj = Tbiv 4.49 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 7.60 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 4.49 WTOL 60 °C Poff 0 W PTO 78 W PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Cdh Tj = +12 °C	0.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh WTOL 60 °C Poff 0 W PTO 78 W PSB 3 W PCK Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Pdh Tj = Tbiv	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh WTOL 60 °C Poff 78 W PTO 78 W PSB 3 W PCK Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = Tbiv	4.49
WTOL Poff O W PTO 78 W PSB 3 W PCK Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP O.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
Poff 0 W PTO 78 W PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49
PTO 78 W PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	WTOL	60 °C
PSB 3 W PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	Poff	o w
PCK 0 W Supplementary Heater: Type of energy input Electricity Supplementary Heater: PSUP 0.00 kW	РТО	78 W
Supplementary Heater: Type of energy input Supplementary Heater: PSUP 0.00 kW	PSB	3 W
Supplementary Heater: PSUP 0.00 kW	PCK	o w
	Supplementary Heater: Type of energy input	Electricity
Annual energy consumption Qhe 3153 kWh	Supplementary Heater: PSUP	0.00 kW
	Annual energy consumption Qhe	3153 kWh

Warmer Climate

EN 14825	
	Low temperature
ોડ	191 %
Prated	8.00 kW
SCOP	4.97





This information was generated by the HF KETI	MINIC GOLDBOOK ON TO MAI 2022
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	7.60 kW
COP Tj = +2°C	4.49
Cdh Tj = +2 °C	0.90
Pdh Tj = $+7$ °C	7.70 kW
$COP Tj = +7^{\circ}C$	4.85
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.90 kW
COP Tj = 12°C	5.45
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.60 kW
COP Tj = Tbiv	4.49
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49
WTOL	60 °C
Poff	0 W
РТО	78 W
PSB	3 W
PCK	0 W
Supplementary Heater: Type of energy input	Electricity





Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	2052 kWh

EN 12102-1	
	Low temperature
Sound power level indoor	55 dB(A)

Colder Climate

EN 14825		
	Low temperature	
η_s	200 %	
Prated	10.00 kW	
SCOP	5.20	
Tbiv	-15 °C	
TOL	-22 °C	
Pdh Tj = -7°C	7.80 kW	
COP Tj = -7°C	5.13	
Cdh Tj = -7 °C	0.90	
Pdh Tj = +2°C	7.90 kW	
COP Tj = +2°C	5.42	
Cdh Tj = +2 °C	0.90	

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<u> </u>	IANN database on 10 Mai 202.
Pdh Tj = +7°C	7.90 kW
$COPTj = +7^{\circ}C$	5.42
Cdh Tj = +7 °C	0.90
Pdh Tj = 12°C	7.90 kW
COP Tj = 12°C	5.68
Cdh Tj = +12 °C	0.90
Pdh Tj = Tbiv	7.80 kW
COP Tj = Tbiv	5.00
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	5.00
WTOL	60 °C
Poff	0 W
РТО	78 W
PSB	3 W
PCK	o w
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	1.89 kW
Annual energy consumption Qhe	4517 kWh
Pdh Tj = -15 °C (if TOL< -20 °C)	6.80
COP Tj = -15°C (if TOL<-20°C)	2.53
Cdh Tj = -15 °C	0.90





EN 12102-1	
	Low temperature
Sound power level indoor	55 dB(A)



Model: WPF 7 basic, average climates

Configure model		
Model name	WPF 7 basic, average climates	
Application	Heating (medium temp)	
Units	Indoor	
Climate Zone	n/a	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	3x400V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	7.64 kW	6.76 kW
El input	1.70 kW	2.67 kW
СОР	4.50	2.53

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

Average Climate





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	55 dB(A)	55 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	122 %
Prated	8.00 kW	7.00 kW
SCOP	5.01	3.25
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-10 °C
Pdh Tj = -7°C	7.70 kW	6.80 kW
COP Tj = -7°C	4.56	2.66
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.80 kW	7.10 kW
COP Tj = +2°C	4.93	3.19
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	7.80 kW	7.30 kW
COP Tj = +7°C	5.31	3.60
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	7.90 kW	7.50 kW

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COP Tj = 12°C	5.74	4.11
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.60 kW	6.80 kW
COP Tj = Tbiv	4.49	2.53
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.60 kW	6.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.49	2.53
WTOL	60 °C	60 °C
Poff	o w	o w
РТО	78 W	78 W
PSB	3 W	3 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	3153 kWh	4298 kWh