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Summary of	WPF 7 basic	Reg. No.	011-1W0017
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 7 basic		
Heat Pump Type	Brine/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2 kg		
Certification Date	25.08.2016		

Model: WPF 7 basic, all climates

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2	
	Low temperature
Heat output	7.64 kW
El input	1.70 kW
COP	4.50
Indoor water flow rate	1.27 m³/h

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	0.90
Pdh Tj = +2°C	7.80 kW
COP Tj = +2°C	4.93
Cdh	0.90
Pdh Tj = +7°C	7.80 kW
COP Tj = +7°C	5.31
Cdh	0.90
Pdh Tj = 12°C	7.90 kW

COP Tj = 12°C	5.74
Cdh	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

Warmer Climate

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

Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	7.60 kW
COP Tj = +2°C	4.49
Cdh	0.90
Pdh Tj = +7°C	7.70 kW
COP Tj = +7°C	4.85
Cdh	0.90
Pdh Tj = 12°C	7.90 kW
COP Tj = 12°C	5.45
Cdh	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	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	0.90
Pdh Tj = +2°C	7.90 kW
COP Tj = +2°C	5.42
Cdh	0.90

Pdh Tj = +7°C	7.90 kW
COP Tj = +7°C	5.42
Cdh	0.90
Pdh Tj = 12°C	7.90 kW
COP Tj = 12°C	5.68
Cdh	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
PTO	78 W
PSB	3 W
PCK	0 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	0.90

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

Model: WPF 7 basic, average climates

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
COP	4.50	2.53
Indoor water flow rate	1.27 m³/h	0.91 m³/h

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	0.90	0.90
Pdh Tj = +2°C	7.80 kW	7.10 kW
COP Tj = +2°C	4.93	3.19
Cdh	0.90	0.90
Pdh Tj = +7°C	7.80 kW	7.30 kW
COP Tj = +7°C	5.31	3.60
Cdh	0.90	0.90
Pdh Tj = 12°C	7.90 kW	7.50 kW

COP Tj = 12°C	5.74	4.11
Cdh	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	0 W	0 W
PTO	78 W	78 W
PSB	3 W	3 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	3153 kWh	4298 kWh