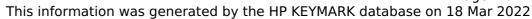


Page 1 of 7

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Summary of	WPF 52	Reg. No.	011-1W0186	
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	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Subtype title	WPF 52			
Heat Pump Type	Brine/Water			
Refrigerant	R410A			
Mass of Refrigerant	12.5 kg	12.5 kg		
Certification Date	04.09.2019	04.09.2019		





Model: WPF 52

Configure model			
Model name	WPF 52		
Application	Heating (medium temp)		
Units Indoor + Outdoor			
Climate Zone Colder Climate + Warmer Climate			
Reversibility	No		
Cooling mode application (optional)	n/a		

General Data		
Power supply	3x400V 50Hz	

Heating

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

EN 14511-2				
	Low temperature	Medium temperature		
Heat output	55.83 kW	52.18 kW		
El input	11.61 kW	17.45 kW		
СОР	4.81	2.99		

Average Climate



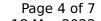


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EN 14825

	Low temperature	Medium temperature
η_{s}	200 %	138 %
Prated	56.00 kW	52.00 kW
SCOP	5.20	3.65
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	55.90 kW	52.50 kW
$COPTj = -7^{\circ}C$	4.87	3.12
Pdh Tj = $+2$ °C	56.30 kW	53.80 kW
$COP Tj = +2^{\circ}C$	5.20	3.64
Pdh Tj = $+7^{\circ}$ C	56.70 kW	54.60 kW
$COPTj = +7^{\circ}C$	5.53	4.03
Pdh Tj = 12°C	57.00 kW	55.40 kW
COP Tj = 12°C	5.90	4.52
Pdh Tj = Tbiv	55.80 kW	52.20 kW
COP Tj = Tbiv	4.81	2.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL $<$ Tdesignh	55.80 kW	52.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.81	2.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C

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Poff	0 W	o w	
РТО	7 W	7 W	
PSB	7 W	7 W	
PCK	99 W	99 W	
Supplementary Heater: Type of energy input	Electricity	Electricity	
Supplementary Heater: PSUP	0.00 kW	0.00 kW	
Annual energy consumption Qhe	22209 kWh	29469 kWh	

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	59 dB(A)	59 dB(A)		
Sound power level outdoor	59 dB(A)	59 dB(A)		

Warmer Climate

EN 14825		
Low temperature	Medium temperature	
199 %	138 %	
56.00 kW	52.00 kW	
5.18	3.65	
2 °C	2 °C	
0 °C	0 °C	
	Low temperature 199 % 56.00 kW 5.18 2 °C	

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$$\operatorname{\textit{Page}}\xspace\:5\:\:\text{of}\:7\:$ This information was generated by the HP KEYMARK database on 18 Mar 2022

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Pdh Tj = +2°C	55.80 kW	55.20 kW
COP Tj = +2°C	4.81	2.99
Pdh Tj = +7°C	56.20 kW	53.30 kW
$COP Tj = +7^{\circ}C$	5.12	3.39
Pdh Tj = 12°C	56.80 kW	54.90 kW
COP Tj = 12°C	5.65	4.19
Pdh Tj = Tbiv	55.80 kW	52.20 kW
COP Tj = Tbiv	4.81	2.99
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	55.80 kW	52.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.81	2.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	0 W	0 W
РТО	7 W	7 W
PSB	7 W	7 W
PCK	99 W	99 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	14419 kWh	19157 kWh

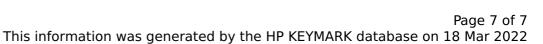


EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	59 dB(A)	59 dB(A)		
Sound power level outdoor	59 dB(A)	59 dB(A)		

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
η_{s}	207 %	144 %	
Prated	69.00 kW	65.00 kW	
SCOP	5.38	3.80	
Tbiv	-15 °C	-15 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	56.50 kW	53.80 kW	
COP Tj = -7°C	5.36	3.62	
Pdh Tj = +2°C	56.80 kW	54.60 kW	
COP Tj = +2°C	5.63	4.03	
Pdh Tj = +7°C	57.00 kW	55.30 kW	
COP Tj = +7°C	5.84	4.42	
Pdh Tj = 12°C	57.00 kW	55.70 kW	
COP Tj = 12°C	5.88	4.74	

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Pdh Tj = Tbiv	56.40 kW	53.30 kW
COP Tj = Tbiv	5.25	3.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	55.80 kW	52.20 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.81	2.99
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.90	0.90
WTOL	60 °C	60 °C
Poff	o w	0 W
PTO	7 W	7 W
PSB	7 W	7 W
PCK	99 W	99 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	13.28 kW	13.12 kW
Annual energy consumption Qhe	31644 kWh	42330 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	59 dB(A)	59 dB(A)	
Sound power level outdoor	59 dB(A)	59 dB(A)	