

Summary of	WPF 27 HT	Reg. No.	011-1W0185	
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 27 HT			
Heat Pump Type	Brine/Water			
Refrigerant	R134a			
Mass Of Refrigerant	6 kg			
Certification Date	04.09.2019			

Model: WPF 27 HT

General Data		
Power supply	3x400V 50Hz	

Average Climate

EN 14825			
	Low temperature	Medium temperature	
η_{s}	175 %	131 %	
Prated	27.00 kW	25.00 kW	
SCOP	4.58	4.58	
Tbiv	-10 °C	-10 °C	
TOL	-10 °C	-10 °C	
Pdh Tj = -7°C	27.50 kW	25.30 kW	
COP Tj = -7°C	4.38	3.06	
Cdh	0.90	0.90	
Pdh Tj = +2°C	27.70 kW	26.10 kW	
COP Tj = +2°C	4.59	3.48	
Cdh	0.90	0.90	
Pdh Tj = +7°C	27.90 kW	26.60 kW	
COP Tj = +7°C	4.80	3.78	
Cdh	0.90		
Pdh Tj = 12°C	28.20 kW	27.10 kW	

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COP Tj = 12°C	5.03	4.12
Cdh	0.90	0.90
Pdh Tj = Tbiv	27.40 kW	25.10 kW
COP Tj = Tbiv	4.34	2.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	27.40 kW	25.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.34	2.96
WTOL	75 °C	75 °C
Poff	0 W	o w
РТО	3 W	3 W
PSB	3 W	3 W
PCK	46 W	46 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	12359 kWh	14872 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	64 dB(A)	64 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

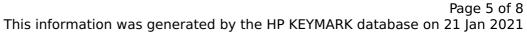
Warmer Climate

EN 14825





	Low temperature	Medium temperature
η_{S}	174 %	131 %
Prated	27.00 kW	25.00 kW
SCOP	4.58	4.58
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	27.40 kW	25.10 kW
COP Tj = +2°C	4.34	2.96
Cdh	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	27.70 kW	25.80 kW
$COPTj = +7^{\circ}C$	4.55	3.29
Cdh	0.90	0.90
Pdh Tj = 12°C	28.00 kW	26.80 kW
COP Tj = 12°C	4.88	3.89
Cdh	0.90	0.90
Pdh Tj = Tbiv	27.40 kW	25.10 kW
COP Tj = Tbiv	4.34	2.96
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	27.40 kW	25.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.34	2.96
WTOL	75 °C	75 °C
Poff	0 W	o w





PTO	3 W	3 W
PSB	3 W	3 W
PCK	46 W	46 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	8031 kWh	9675 kWh

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	64 dB(A)	64 dB(A)	
Sound power level outdoor	64 dB(A)	64 dB(A)	

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	27.41 kW	25.10 kW	
El input	6.32 kW	8.49 kW	
СОР	4.34	2.95	
Indoor water flow rate	4.61 m³/h	4.61 m³/h	

Colder Climate

EN 14825			
	Low temperature	Medium temperature	
η_{s}	180 %	136 %	
Prated	34.00 kW	32.00 kW	
SCOP	4.58	4.58	
Tbiv	-15 °C	-15 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	27.80 kW	26.10 kW	
COP Tj = -7°C	4.70	3.46	
Cdh	0.90	0.90	
Pdh Tj = +2°C	28.00 kW	26.60 kW	
COP Tj = +2°C	4.86	3.77	
Cdh	0.90	0.90	

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CEN heat pump KEYMARK

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This information was gener	The state of the s	The database on 21 july 202
Pdh Tj = +7°C	28.10 kW	27.00 kW
$COP Tj = +7^{\circ}C$	5.00	4.05
Cdh	0.90	0.90
Pdh Tj = 12°C	28.20 kW	27.30 kW
COP Tj = 12°C	5.02	4.28
Cdh	0.90	0.90
Pdh Tj = Tbiv	27.80 kW	25.00 kW
COP Tj = Tbiv	4.63	3.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	27.40 kW	25.10 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.34	2.96
WTOL	75 °C	75 °C
Poff	0 W	0 W
РТО	3 W	3 W
PSB	3 W	3 W
PCK	46 W	46 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	6.61 kW	6.52 kW
Annual energy consumption Qhe	17849 kWh	21670 kWh
Pdh Tj = -15°C (if TOL<-20°C)	27.80	25.00
COP Tj = -15 °C (if TOL< -20 °C)	4.63	3.29
Cdh	0.90	0.90





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	64 dB(A)	64 dB(A)
Sound power level outdoor	64 dB(A)	64 dB(A)