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Summary of	WPL 09 I(K)CS classic	Reg. No.	011-1W0223
Certificate Holder	-	· ·	-
Name	STIEBEL ELTRON GmbH & C	o KG	
Address	Dr. Stiebel Straße 33	Zip	37603
City	Holzminden	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	VDE Prüf- und Zertifizierungsinstitut GmbH		
Subtype title	WPL 09 I(K)CS classic		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	2.2 kg		
Certification Date	04.09.2019		
Testing basis	HP KEYMARK certification scheme rules rev. no. 5		



Model: WPL 09 IKCS classic

General Data		
Power supply	1x230V 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	
Defrost test	passed	

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.06 kW	2.09 kW	
El input	0.44 kW	0.81 kW	
СОР	4.68	2.59	
Indoor water flow rate	0.40 m³/h	0.40 m³/h	

Average Climate



EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	45 dB(A)	45 dB(A)	

	EN 14825	
	Low temperature	Medium temperature
η_{s}	175 %	128 %
Prated	4.70 kW	4.50 kW
SCOP	4.46	3.28
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.17 kW	3.94 kW
COP Tj = -7°C	3.09	2.22
Pdh Tj = +2°C	2.86 kW	2.54 kW
COP Tj = +2°C	4.29	3.10
Pdh Tj = +7°C	2.08 kW	2.04 kW
COP Tj = +7°C	6.24	4.53
Pdh Tj = 12°C	2.02 kW	1.97 kW
COP Tj = 12°C	8.31	6.44
Pdh Tj = Tbiv	4.17 kW	3.94 kW
COP Tj = Tbiv	3.09	2.22





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Pdh Tj = TOL	4.06 kW	2.96 kW
COP Tj = TOL	2.71	1.94
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.64 kW	1.54 kW
Annual energy consumption Qhe	2187 kWh	2837 kWh

Warmer Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	45 dB(A)	45 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	198 %	136 %
Prated	2.62 kW	2.40 kW





This information was generated by the HP KEYMARK database on 17 Dec 2020				
SCOP	5.01	3.47		
Tbiv	2 °C	2 °C		
TOL	2 °C	2 °C		
Pdh Tj = +2°C	2.62 kW	2.37 kW		
COP Tj = +2°C	3.76	2.28		
Pdh Tj = $+7^{\circ}$ C	2.07 kW	1.84 kW		
$COPTj = +7^{\circ}C$	5.19	3.35		
Pdh Tj = 12°C	2.00 kW	1.94 kW		
COP Tj = 12°C	7.92	5.39		
Pdh Tj = Tbiv	2.62 kW	2.37 kW		
COP Tj = Tbiv	3.76	2.28		
Pdh Tj = TOL	2.62 kW	2.37 kW		
COP Tj = TOL	3.76	2.28		
Cdh	0.90	0.90		
WTOL	60 °C	60 °C		
Poff	56 W	56 W		
РТО	21 W	21 W		
PSB	56 W	56 W		
PCK	26 W	26 W		
Supplementary Heater: Type of energy input	electricity	electricity		
Supplementary Heater: PSUP	0.00 kW	0.03 kW		
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Annual energy consumption Qhe	698 kWh	923 kWh
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Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	150 %	116 %
Prated	6.80 kW	6.70 kW
SCOP	3.83	2.98
Tbiv	-7 °C	-7 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	4.11 kW	4.05 kW
COP Tj = -7°C	3.37	2.57
Cdh	0.90	0.90
Pdh Tj = +2°C	3.01 kW	2.60 kW
COP Tj = +2°C	5.17	3.55
Cdh	0.90	0.90
Pdh Tj = +7°C	2.09 kW	2.07 kW





·	ANN database on 17 Dec 2020
7.26	5.31
0.90	0.90
2.02 kW	1.99 kW
8.96	7.11
0.90	0.90
4.11 kW	4.05 kW
3.37	2.57
2.35 kW	6.00 kW
2.99	1.00
0.90	0.90
60 °C	60 °C
56 W	56 W
21 W	21 W
56 W	56 W
26 W	26 W
electricity	electricity
3.45 kW	3.50 kW
4382 kWh	5547 kWh
4.11	4.05
3.37	2.57
0.90	0.90
	7.26 0.90 2.02 kW 8.96 0.90 4.11 kW 3.37 2.35 kW 2.99 0.90 60 °C 56 W 21 W 56 W 26 W electricity 3.45 kW 4.382 kWh 4.11 3.37



Model: WPL 09 ICS classic

General Data	
Power supply 1x230V 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	
Defrost test	passed	

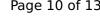
EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.06 kW	2.10 kW
El input	0.44 kW	0.80 kW
СОР	4.68	2.64
Indoor water flow rate	0.40 m³/h	0.40 m³/h

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	178 %	130 %
Prated	4.80 kW	4.50 kW
SCOP	4.53	3.32
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.22 kW	3.98 kW
COP Tj = -7°C	3.22	2.27
Pdh Tj = +2°C	2.88 kW	2.55 kW
COP Tj = +2°C	4.33	3.16
Pdh Tj = +7°C	2.08 kW	2.04 kW
COP Tj = +7°C	6.28	4.53
Pdh Tj = 12°C	2.02 kW	1.97 kW
COP Tj = 12°C	8.35	6.44
Pdh Tj = Tbiv	4.22 kW	3.98 kW
COP Tj = Tbiv	3.22	2.27





 $$\operatorname{\textit{Page}}\ 10$$ of 13 This information was generated by the HP KEYMARK database on 17 Dec 2020

Pdh Tj = TOL	4.11 kW	3.79 kW
COP Tj = TOL	2.84	1.85
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.69 kW	0.71 kW
Annual energy consumption Qhe	2187 kWh	2804 kWh

Warmer Climate

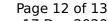
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	45 dB(A)	45 dB(A)

EN 14825		
Low temperature	Medium temperature	
198 %	136 %	
2.64 kW	2.40 kW	
	Low temperature	





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SCOP	5.03	3.48
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	2.64 kW	2.39 kW
COP Tj = +2°C	3.83	2.33
Pdh Tj = +7°C	2.07 kW	1.84 kW
$COPTj = +7^{\circ}C$	5.19	3.35
Pdh Tj = 12°C	2.00 kW	1.94 kW
COP Tj = 12°C	7.92	5.39
Pdh Tj = Tbiv	2.64 kW	2.39 kW
COP Tj = Tbiv	3.83	2.33
Pdh Tj = TOL	2.64 kW	2.39 kW
COP Tj = TOL	3.83	2.33
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.01 kW





Annual energy consumption Qhe	70 kWh	921 kWh

Colder Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level indoor	45 dB(A)	45 dB(A)		

EN 14825				
	Low temperature	Medium temperature		
η_{s}	155 %	119 %		
Prated	6.90 kW	6.80 kW		
SCOP	3.94	3.04		
Tbiv	-7 °C	-7 °C		
TOL	-20 °C	-20 °C		
Pdh Tj = -7°C	4.16 kW	4.10 kW		
COP Tj = -7°C	3.48	2.63		
Pdh Tj = +2°C	3.03 kW	2.62 kW		
COP Tj = +2°C	5.34	3.64		
Pdh Tj = +7°C	2.09 kW	2.07 kW		
COP Tj = +7°C	7.26	5.31		
Pdh Tj = 12°C	2.02 kW	1.99 kW		



$$\operatorname{\textit{Page}}\ 13$$ of 13 This information was generated by the HP KEYMARK database on 17 Dec 2020

COP Tj = 12°C	8.96	7.11
Pdh Tj = Tbiv	4.16 kW	4.10 kW
COP Tj = Tbiv	3.48	2.63
Pdh Tj = TOL	5.00 kW	3.16 kW
COP Tj = TOL	1.00	2.50
Cdh	0.90	0.90
WTOL	60 °C	60 °C
Poff	56 W	56 W
РТО	21 W	21 W
PSB	56 W	56 W
PCK	26 W	26 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.54 kW	3.28 kW
Annual energy consumption Qhe	4321 kWh	5515 kWh