

Summary of	WPL 09 ACS classic	Reg. No.	011-1W0061
Certificate Holder	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 Zertifizierung	sinstitut GmbH	
Subtype title	WPL 09 ACS classic		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410a		
Mass Of Refrigerant	1.1 kg		
Certification Date	19.01.2017		



Model: WPL 09 ACS classic + HSBC 200, HSBC 200 S

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	0.74 kW
СОР	4.54	2.59
Indoor water flow rate	0.40 m³/h	0.67 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	33 dB(A)	33 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	113 %
Prated	5.00 kW	4.00 kW
SCOP	4.15	2.90
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	4.03 kW	3.40 kW
COP Tj = -7°C	2.67	2.05
Cdh	0.90	0.90
Pdh Tj = +2°C	2.53 kW	2.00 kW
COP Tj = +2°C	4.00	2.94
Cdh	0.90	0.90
Pdh Tj = +7°C	1.63 kW	1.30 kW
COP Tj = +7°C	6.06	4.13
Cdh	0.90	0.90

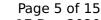
EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





	,	
Pdh Tj = 12°C	1.80 kW	1.50 kW
COP Tj = 12°C	8.14	5.97
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.03 kW	3.00 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL	2.05 kW	3.40 kW
COP Tj = TOL	4.03	2.05
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	30 W	30 W
PSB	17 W	17 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.50 kW	3.69 kW
Annual energy consumption Qhe	2265 kWh	2618 kWh

Domestic Hot Water (DHW)





EN 16147	
Declared load profile	L
Efficiency ηDHW	113 %
СОР	2.70
Heating up time	1:50 h:min
Standby power input	35.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	245 I



Model: WPL 09 ACS classic + HSBB 200 classic, HSBB 200 S classic

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	0.74 kW
СОР	4.54	2.59
Indoor water flow rate	0.40 m³/h	0.67 m³/h

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



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	52 dB(A)	52 dB(A)
Sound power level outdoor	33 dB(A)	33 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	163 %	113 %
Prated	5.00 kW	4.00 kW
SCOP	4.15	2.90
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	4.03 kW	3.40 kW
COP Tj = -7°C	2.67	2.05
Cdh	0.90	0.90
Pdh Tj = +2°C	2.53 kW	2.00 kW
COP Tj = +2°C	4.00	2.94
Cdh	0.90	0.90
Pdh Tj = +7°C	1.63 kW	1.30 kW
COP Tj = +7°C	6.06	4.13
Cdh	0.90	0.90

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





Pdh Tj = 12°C	1.80 kW	1.50 kW
COP Tj = 12°C	8.14	5.97
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.03 kW	3.00 kW
COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL	2.05 kW	3.40 kW
COP Tj = TOL	4.03	2.05
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	30 W	30 W
PSB	17 W	17 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.50 kW	3.69 kW
Annual energy consumption Qhe	2265 kWh	2618 kWh

Domestic Hot Water (DHW)



EN 16147	
Declared load profile	L
Efficiency ηDHW	113 %
СОР	2.70
Heating up time	1:50 h:min
Standby power input	35.0 W
Reference hot water temperature	52.5 °C
Mixed water at 40°C	245 I



Model: WPL 09 ACS classic, low temperature, all climates

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	
СОР	4.54	
Indoor water flow rate	0.40 m³/h	

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



 $$\operatorname{Page}\ 11$$ of 15 This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 12102-1	
	Low temperature
Sound power level indoor	52 dB(A)
Sound power level outdoor	33 dB(A)

EN 14825	
	Low temperature
η_s	163 %
Prated	5.00 kW
SCOP	4.15
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	4.03 kW
COP Tj = -7°C	2.67
Cdh	0.90
Pdh Tj = +2°C	2.53 kW
$COP Tj = +2^{\circ}C$	4.00
Cdh	0.90
Pdh Tj = +7°C	1.63 kW
$COP Tj = +7^{\circ}C$	6.06
Cdh	0.90

EHPA Secretariat | Rue dArlon 63-67 | Phone: +32 2 400 10 17 | Email: secretariat@heatpumpkeymark.com | www.heatpumpkeymark.com





211 17 11 (11 (14 (14 (14 (14 (14 (14 (14 (14
1.80 kW
8.14
0.90
4.03 kW
2.67
2.05 kW
4.03
60 °C
17 W
30 W
17 W
5 W
electricity
0.50 kW
2265 kWh

Warmer Climate

EN 14825		
		Low temperature
η_{s}		206 %
Prated		3.00 kW
		1





This information was generated by the HP RETMARK database on 17 Dec 2020		
SCOP	5.16	
Tbiv	2 °C	
TOL	2 °C	
Pdh Tj = $+2$ °C	3.48 kW	
COP Tj = +2°C	3.23	
Cdh	0.90	
Pdh Tj = +7°C	2.51 kW	
COP Tj = +7°C	5.18	
Cdh	0.90	
Pdh Tj = 12°C	1.69 kW	
COP Tj = 12°C	7.72	
Cdh	0.90	
Pdh Tj = Tbiv	3.48 kW	
COP Tj = Tbiv	3.23	
Pdh Tj = TOL	3.48 kW	
COP Tj = TOL	3.23	
WTOL	60 °C	
Poff	17 W	
РТО	30 W	
PSB	17 W	
РСК	5 W	

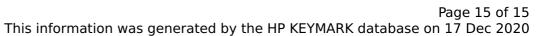




Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	889 kWh

Colder Climate

EN 14825	
	Low temperature
η_{s}	150 %
Prated	4.00 kW
SCOP	3.71
Tbiv	-15 °C
TOL	-20 °C
Pdh Tj = -7°C	2.94 kW
COP Tj = -7°C	3.12
Cdh	0.90
Pdh Tj = +2°C	1.85 kW
COP Tj = +2°C	4.61
Cdh	0.90
Pdh Tj = +7°C	1.42 kW
COP Tj = +7°C	6.34
Cdh	0.90





This information was generated by the Fit RETMAKK database on 17 Dec 2020		
Pdh Tj = 12°C	1.76 kW	
COP Tj = 12°C	8.00	
Cdh	0.90	
Pdh Tj = Tbiv	3.48 kW	
COP Tj = Tbiv	2.52	
Pdh Tj = TOL	3.48 kW	
COP Tj = TOL	2.52	
WTOL	60 °C	
Poff	17 W	
РТО	30 W	
PSB	17 W	
PCK	5 W	
Supplementary Heater: Type of energy input	electricity	
Supplementary Heater: PSUP	4.27 kW	
Annual energy consumption Qhe	2757 kWh	
Pdh Tj = -15°C (if TOL<-20°C)	3.48	
COP Tj = -15°C (if TOL<-20°C)	2.52	
Cdh	0.90	