

This information was generated by the HP KEYMARK database on 17 Dec 2020

Summary of	WPL 09 ACS classic	Reg. No.	011-1W0061
Certificate Holder			
Name	STIEBEL ELTRON GmbH & Co KG		
Address	Dr. Stiebel Straße 33	Zip	37603
City	Holzminen	Country	Germany
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH		
Name of testing laboratory	VDE Prüf- und Zertifizierungsinstitut 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
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	0.74 kW
COP	4.54	2.59
Indoor water flow rate	0.40 m ³ /h	0.67 m ³ /h

EN 14511-4

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

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

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

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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
PTO	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)

Average Climate

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EN 16147	
Declared load profile	L
Efficiency η_{DHW}	113 %
COP	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 l

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

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	0.74 kW
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Indoor water flow rate	0.40 m ³ /h	0.67 m ³ /h

EN 14511-4

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

Average Climate

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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

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Cdh	0.90	0.90
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COP Tj = Tbiv	2.67	2.15
Pdh Tj = TOL	2.05 kW	3.40 kW
COP Tj = TOL	4.03	2.05
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PTO	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)

Average Climate

This information was generated by the HP KEYMARK database on 17 Dec 2020

EN 16147	
Declared load profile	L
Efficiency η_{DHW}	113 %
COP	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 l

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

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	2.27 kW	1.92 kW
El input	0.50 kW	
COP	4.54	
Indoor water flow rate	0.40 m ³ /h	

EN 14511-4

Shutting off the heat transfer medium flow	passed
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Average Climate

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	Low temperature
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EN 14825

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η_s	163 %
Prated	5.00 kW
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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°C	4.00
Cdh	0.90
Pdh Tj = +7°C	1.63 kW
COP Tj = +7°C	6.06
Cdh	0.90

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

Warmer Climate

EN 14825	
	Low temperature
η_s	206 %
Prated	3.00 kW

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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
PTO	30 W
PSB	17 W
PCK	5 W

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Supplementary Heater: Type of energy input	electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Q _{he}	889 kWh

Colder Climate

EN 14825	
	Low temperature
η_s	150 %
Prated	4.00 kW
SCOP	3.71
T _{biv}	-15 °C
TOL	-20 °C
P _{dh} T _j = -7°C	2.94 kW
COP T _j = -7°C	3.12
C _{dh}	0.90
P _{dh} T _j = +2°C	1.85 kW
COP T _j = +2°C	4.61
C _{dh}	0.90
P _{dh} T _j = +7°C	1.42 kW
COP T _j = +7°C	6.34
C _{dh}	0.90

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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
PTO	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