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Login

Summary of	WPL 07 ACS classic	Reg. No.	011-1W0060
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 Konformitätsbewertung mbH		
Subtype title	WPL 07 ACS classic		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	19.01.2017		

Model: WPL 07 ACS classic + HSBB 200 classic, HSBB 200 S classic

Configure model	
Model name	WPL 07 ACS classic + HSBB 200 classic, HSBB 200 S classic
Application	Heating + DHW + low temp
Units	Indoor + Outdoor
Climate Zone	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 14825		
	Low temperature	**Medium temperature**
η_s	166 %	116 %
Prated	3.62 kW	3.83 kW
SCOP	4.22	2.96
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	3.20 kW	2.79 kW
COP Tj = -7°C	2.88	2.01
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	1.95 kW	2.01 kW
COP Tj = +2°C	4.11	2.94

Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.59 kW	1.25 kW
COP Tj = +7°C	5.81	4.13
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	1.66 kW	1.54 kW
COP Tj = 12°C	6.34	5.13
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.20 kW	3.09 kW
COP Tj = Tbiv	2.88	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.04 kW	2.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.01
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
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	0.58 kW	3.83 kW
Annual energy consumption Qhe	1771 kWh	2672 kWh

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 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	2.27 kW	1.92 kW
El input	0.50 kW	0.74 kW
COP	4.54	2.59

Domestic Hot Water (DHW)

Average Climate

EN 16147

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

Model: WPL 07 ACS classic

Configure model	
Model name	WPL 07 ACS classic
Application	Heating (low temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	Yes
Cooling mode application (optional)	n/a

General Data	
Power supply	1x230V 50Hz

Average Climate

EN 12102-1	
	Low temperature
Sound power level indoor	0 dB(A)
Sound power level outdoor	52 dB(A)

EN 14825	
	Low temperature
η_s	166 %
Prated	3.62 kW
SCOP	4.22
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	3.20 kW

COP Tj = -7°C	2.88
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	1.95 kW
COP Tj = +2°C	4.11
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.59 kW
COP Tj = +7°C	5.81
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.66 kW
COP Tj = 12°C	6.34
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.20 kW
COP Tj = Tbiv	2.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.07
Rated airflow rate	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
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	0.58 kW
Annual energy consumption Qhe	1771 kWh

Warmer Climate

EN 12102-1	
	Low temperature
Sound power level indoor	0 dB(A)
Sound power level outdoor	52 dB(A)

EN 14825	
	Low temperature
η_s	200 %
Prated	3.00 kW
SCOP	5.07
Tbiv	2 °C
TOL	2 °C
Pdh Tj = -7°C	0.00 kW
COP Tj = -7°C	0.00
Pdh Tj = +2°C	3.04 kW

COP Tj = +2°C	3.39
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.95 kW
COP Tj = +7°C	5.18
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.63 kW
COP Tj = 12°C	6.14
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.04 kW
COP Tj = Tbiv	3.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.39
Rated airflow rate	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
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	0.00 kW

Annual energy consumption Qhe	791 kWh

Colder Climate

EN 12102-1	
	Low temperature
Sound power level indoor	0 dB(A)
Sound power level outdoor	52 dB(A)

EN 14825	
	Low temperature
η_s	148 %
Prated	3.38 kW
SCOP	3.77
Tbiv	-15 °C
TOL	-20 °C
Pdh Tj = -7°C	2.05 kW
COP Tj = -7°C	3.20
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	1.25 kW
COP Tj = +2°C	4.55
Cdh Tj = +2 °C	0.900

Pdh Tj = +7°C	1.39 kW
COP Tj = +7°C	6.03
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.64 kW
COP Tj = 12°C	6.22
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	2.76 kW
COP Tj = Tbiv	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.13
Rated airflow rate	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
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	3.38 kW
Annual energy consumption Qhe	2208 kWh
Pdh Tj = -15°C (if TOL<-20°C)	

COP Tj = -15°C (if TOL<-20°C)	
Cdh Tj = -15 °C	

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
Heat output	2.27 kW
El input	0.50 kW
COP	4.54

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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.88	2.20
Rated airflow rate	0 m³/h	0 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
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