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Login

Summary of	WPL 15 AS, WPL 15 ACS	Reg. No.	011-1W0001	
Certificate Holder	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 15 AS, WPL 15 ACS			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	R410A			
Mass of Refrigerant	4.2 kg			
Certification Date	11.08.2016			



Model: WPL 15 AS

Configure model		
Model name	WPL 15 AS	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

COP

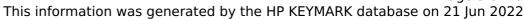
EN 14511-2			
Low temperature	Medium temperature		
4.68 kW	3.74 kW		
1.11 kW	1.37 kW		
	4.68 kW		

2.73

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

Average Climate

4.23





EN 12102-1			
	Low temperature	Medium temperature	
Sound power level outdoor	50 dB(A)	50 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	151 %	122 %
Prated	8.00 kW	8.00 kW
SCOP	3.84	3.20
Tbiv	-8 °C	-8 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7 °C	6.80 kW	7.10 kW
$COP Tj = -7^{\circ}C$	2.49	2.18
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2^{\circ}$ C	4.30 kW	4.20 kW
COP Tj = +2°C	4.04	3.30
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.50 kW	4.20 kW
$COPTj = +7^{\circ}C$	5.08	4.07
Cdh Tj = $+7$ °C	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.00 kW

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This information was generated by the HP KEYMARK database on 21 Jun 2022 COP Tj = 12°C6.30 5.14 Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv7.10 kW 7.40 kW COP Tj = Tbiv2.42 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.60 kW 7.00 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.71 1.97 WTOL 65 °C 65 °C Poff 16 W 16 W PTO 16 W 16 W **PSB** 16 W 16 W **PCK** 43 W 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW

Warmer Climate

Annual energy consumption Qhe

EN 14825		
	Low temperature	Medium temperature
η_{S}	153 %	120 %
Prated	4.00 kW	4.00 kW
SCOP	3.91	2.99
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4303 kWh

5300 kWh





This information was gener	ated by the HI KETMA	NK database on 21 juli 2022
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.20 kW	4.00 kW
COP Tj = +2°C	3.48	2.50
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.30 kW	3.90 kW
$COPTj = +7^{\circ}C$	4.46	3.16
Cdh Tj = $+7$ °C	0.90	0.90
Pdh Tj = 12°C	4.30 kW	3.80 kW
COP Tj = 12°C	5.89	4.57
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.20 kW	4.00 kW
COP Tj = Tbiv	3.48	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.20 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.15	1.98
WTOL	65 °C	65 °C
Poff	16 W	16 W
РТО	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1367 kWh	1750 kWh

Colder Climate

EN 14825		
	Low temperature	Medium temperature
η_{s}	137 %	118 %
Prated	11.00 kW	12.00 kW
SCOP	3.51	3.05
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.00 kW
COP Tj = -7°C	2.72	2.45
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.45	3.70
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.30 kW
COP Tj = +7°C	5.44	4.53
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.10 kW

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	, -	TIR database on 21 jun 2021
COP Tj = 12°C	6.30	5.44
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.70 kW	7.90 kW
COP Tj = Tbiv	2.50	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	2.10
WTOL	65 °C	65 °C
Poff	16 W	16 W
РТО	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.20 kW	11.61 kW
Annual energy consumption Qhe	7727 kWh	9481 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.10	9.70
COP Tj = -15 °C (if TOL< -20 °C)	2.25	2.10
Cdh Tj = -15 °C	0.90	0.90

Model: WPL 15 ACS

Configure model		
Model name	WPL 15 ACS	
Application	Heating (medium temp)	
Units	Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	No	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2				
Low temperature Medium temperature				
Heat output	4.68 kW	3.74 kW		
El input	1.11 kW	1.37 kW		
COP	4.23	2.73		

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

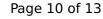
Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	50 dB(A)	50 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	159 %	127 %
Prated	8.00 kW	8.00 kW
SCOP	4.04	3.34
Tbiv	-8 °C	-8 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7° C	6.80 kW	7.10 kW
$COP Tj = -7^{\circ}C$	2.49	2.18
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	4.30 kW	4.20 kW
COP Tj = +2°C	4.04	3.30
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.50 kW	4.20 kW
$COP Tj = +7^{\circ}C$	5.08	4.07
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.00 kW

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Cdh Tj = +12 °C 0.90 0.90 Pdh Tj = Tbiv 7.10 kW 7.40 kW COP Tj = Tbiv 2.42 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh 6.60 kW 7.00 kW COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh 2.71 1.97 WTOL 65 °C 65 °C Poff 16 W 16 W PTO 16 W 16 W PSB 16 W 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW			
Pdh Tj = Tbiv 7.10 kW 7.40 kW COP Tj = Tbiv 2.42 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	COP Tj = 12°C	6.30	5.14
COP Tj = Tbiv 2.42 2.13 Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	Pdh Tj = Tbiv	7.10 kW	7.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	COP Tj = Tbiv	2.42	2.13
WTOL 65 °C 65 °C Poff 16 W 16 W PTO 16 W 16 W PSB 16 W 16 W PCK 43 W 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.60 kW	7.00 kW
Poff 16 W 16 W PTO 16 W 16 W PSB 16 W 16 W PCK 43 W 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.71	1.97
PTO 16 W 16 W 16 W PCK 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	WTOL	65 °C	65 °C
PSB 16 W 16 W PCK 43 W Supplementary Heater: Type of energy input Electricity Electricity Union of the supplementary Heater: PSUP 0.00 kW 0.00 kW	Poff	16 W	16 W
PCK 43 W 43 W Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	РТО	16 W	16 W
Supplementary Heater: Type of energy input Electricity Electricity Supplementary Heater: PSUP 0.00 kW 0.00 kW	PSB	16 W	16 W
Supplementary Heater: PSUP 0.00 kW 0.00 kW	PCK	43 W	43 W
	Supplementary Heater: Type of energy input	Electricity	Electricity
Annual energy consumption Qhe 4086 kWh 5084 kWh	Supplementary Heater: PSUP	0.00 kW	0.00 kW
	Annual energy consumption Qhe	4086 kWh	5084 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_{S}	190 %	142 %
Prated	4.00 kW	4.00 kW
SCOP	4.83	3.50
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Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.20 kW	4.00 kW
COP Tj = +2°C	3.48	2.50
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.30 kW	3.90 kW
$COPTj = +7^{\circ}C$	4.46	3.16
Cdh Tj = $+7$ °C	0.90	0.90
Pdh Tj = 12°C	4.30 kW	3.80 kW
COP Tj = 12°C	5.89	4.57
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.20 kW	4.00 kW
COP Tj = Tbiv	3.48	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.20 kW	9.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.15	1.98
WTOL	65 °C	65 °C
Poff	16 W	16 W
РТО	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity





Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1106 kWh	1489 kWh

Colder Climate

	Low temperature	Medium temperature
η_{s}	140 %	119 %
Prated	11.00 kW	12.00 kW
SCOP	3.57	3.09
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.00 kW
COP Tj = -7°C	2.72	2.45
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.45	3.70
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.30 kW
$COP Tj = +7^{\circ}C$	5.44	4.53
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.10 kW



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COP Tj = 12°C	6.30	5.44
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.70 kW	7.90 kW
COP Tj = Tbiv	2.50	2.28
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.10 kW	9.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25	2.10
WTOL	65 °C	65 °C
Poff	16 W	16 W
РТО	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	11.20 kW	11.61 kW
Annual energy consumption Qhe	7597 kWh	9351 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.10	9.70
COP Tj = -15°C (if TOL<-20°C)	2.25	2.10
Cdh Tj = -15 °C	0.90	0.90