

Summary of	WPL-A 05/07 HK 230 Premium	Reg. No.	011-1W0393		
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				
Name of testing laboratory	RISE Research Institutes of Sweden AB				
Subtype title	WPL-A 05/07 HK 230 Premium				
Heat Pump Type	Outdoor Air/Water				
Refrigerant	Other				
Mass Of Refrigerant	3 kg				
Certification Date	07.08.2020				



Model: WPL-A 05 HK 230 Premium

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.31 kW	2.70 kW	
El input	0.61 kW	0.82 kW	
СОР	5.42	3.29	
Indoor water flow rate	0.56 m³/h	0.30 m³/h	

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

Average Climate



EN 12102-1		
Low temperature Medium temperature		
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	185 %	151 %
Prated	5.50 kW	5.60 kW
SCOP	4.70	3.85
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.86 kW	4.89 kW
COP Tj = -7°C	3.40	2.64
Cdh	0.90	0.90
Pdh Tj = +2°C	2.95 kW	3.03 kW
COP Tj = +2°C	4.58	3.80
Cdh	0.90	0.90
Pdh Tj = +7°C	3.16 kW	2.99 kW
COP Tj = +7°C	6.32	4.84
Cdh	0.90	0.90
Pdh Tj = 12°C	3.74 kW	3.57 kW





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COP Tj = 12°C	8.19	6.09
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.68 kW	4.89 kW
COP Tj = Tbiv	3.40	2.64
Pdh Tj = TOL	4.43 kW	4.13 kW
COP Tj = TOL	3.06	2.22
WTOL	75 °C	75 °C
Poff	12 W	12 W
РТО	10 W	10 W
PSB	12 W	12 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.07 kW	1.50 kW
Annual energy consumption Qhe	2415 kWh	3021 kWh

Warmer Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14	4825	
	Low temperature	Medium temperature





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η_{s}	208 %	143 %
Prated	3.00 kW	3.00 kW
SCOP	5.26	3.66
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.03 kW	2.97 kW
COP Tj = +2°C	4.29	2.86
Cdh	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	3.07 kW	2.72 kW
$COP Tj = +7^{\circ}C$	5.52	3.61
Cdh	0.90	0.90
Pdh Tj = 12°C	3.69 kW	3.46 kW
COP Tj = 12°C	7.51	5.33
Cdh	0.90	0.90
Pdh Tj = Tbiv	3.03 kW	2.97 kW
COP Tj = Tbiv	4.29	2.86
Pdh Tj = TOL	3.03 kW	2.97 kW
COP Tj = TOL	4.29	2.86
WTOL	75 °C	75 °C
Poff	12 W	12 W
РТО	10 W	10 W





PSB	12 W	12 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	768 kWh	1085 kWh

Colder Climate

EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	151 %	126 %
Prated	8.20 kW	7.80 kW
SCOP	3.84	3.23
Tbiv	-7 °C	-7 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.94 kW	4.70 kW
COP Tj = -7°C	3.67	2.94
Cdh	0.90	0.90





Pdh Tj = +2°C	3.00 kW	2.86 kW
COP Tj = +2°C	5.03	4.30
Cdh	0.90	0.90
Pdh Tj = +7°C	3.21 kW	3.08 kW
$COP Tj = +7^{\circ}C$	6.81	5.42
Cdh	0.90	0.90
Pdh Tj = 12°C	3.74 kW	3.63 kW
COP Tj = 12°C	8.20	6.56
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.94 kW	4.70 kW
COP Tj = Tbiv	3.67	2.94
Pdh Tj = TOL	3.04 kW	2.58 kW
COP Tj = TOL	2.93	2.20
WTOL	75 °C	75 °C
Poff	12 W	12 W
РТО	10 W	10 W
PSB	12 W	12 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	5.13 kW	5.19 kW
Annual energy consumption Qhe	5239 kWh	5927 kWh



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

Pdh Tj = -15°C (if TOL<-20°C)	4.00	3.64
COP Tj = -15°C (if TOL<-20°C)	2.93	2.20
Cdh	0.90	0.90



Model: WPL-A 07 HK 230 Premium

General Data	
Power supply	3x230V 50Hz

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	3.31 kW	2.70 kW	
El input	0.61 kW	0.82 kW	
СОР	5.42	3.29	
Indoor water flow rate	0.56 m³/h	0.30 m³/h	

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

Average Climate



EN 12102-1			
Low temperature Medium temperature			
Sound power level outdoor	47 dB(A)	47 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	192 %	153 %
Prated	8.10 kW	8.00 kW
SCOP	4.88	3.90
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	7.13 kW	7.04 kW
COP Tj = -7°C	3.00	2.43
Cdh	0.90	0.90
Pdh Tj = +2°C	4.34 kW	4.28 kW
COP Tj = +2°C	4.82	3.79
Cdh	0.90	0.90
Pdh Tj = +7°C	3.19 kW	3.05 kW
COP Tj = +7°C	6.66	5.22
Cdh	0.90	0.90
Pdh Tj = 12°C	3.75 kW	3.60 kW





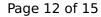
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	<u> </u>	
COP Tj = 12°C	8.40	6.33
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.13 kW	7.04 kW
COP Tj = Tbiv	3.00	2.43
Pdh Tj = TOL	6.86 kW	6.53 kW
COP Tj = TOL	2.80	2.43
WTOL	75 °C	75 °C
Poff	12 W	12 W
РТО	10 W	10 W
PSB	12 W	12 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	1.20 kW	1.43 kW
Annual energy consumption Qhe	3413 kWh	4219 kWh

Warmer Climate

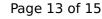
EN 12102-1		
	Low temperature	Medium temperature
Sound power level outdoor	47 dB(A)	47 dB(A)

EN 14825		
	Low temperature	Medium temperature





		KETMARK database on 17 Dec 202
η_{S}	230 %	163 %
Prated	4.30 kW	4.30 kW
SCOP	5.84	4.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = $+2$ °C	4.30 kW	4.30 kW
$COP Tj = +2^{\circ}C$	4.30	2.93
Cdh	0.90	0.90
Pdh Tj = $+7$ °C	3.10 kW	2.80 kW
$COP Tj = +7^{\circ}C$	5.77	3.90
Cdh	0.90	0.90
Pdh Tj = 12°C	3.70 kW	3.49 kW
COP Tj = 12°C	7.69	5.53
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.30 kW	4.30 kW
COP Tj = Tbiv	4.30	2.93
Pdh Tj = TOL	4.30 kW	4.30 kW
COP Tj = TOL	4.30	2.93
WTOL	75 °C	75 °C
Poff	12 W	12 W
РТО	10 W	10 W





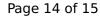
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PSB	12 W	12 W
PCK	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	984 kWh	1388 kWh

Colder Climate

EN 12102-1				
	Low temperature	Medium temperature		
Sound power level outdoor	47 dB(A)	47 dB(A)		

	Low temperature	Medium temperature	
η_{s}	151 %	128 %	
Prated	11.80 kW	11.90 kW	
SCOP	3.84	3.26	
Tbiv	-7 °C	-7 °C	
TOL	-22 °C	-22 °C	
Pdh Tj = -7°C	7.15 kW	7.21 kW	
COP Tj = -7°C	3.17	2.70	
Cdh	0.90	0.90	





Pdh Tj = $+2$ °C	4.35 kW	4.39 kW
COP Tj = +2°C	5.24	4.31
Cdh	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	3.24 kW	3.15 kW
$COP Tj = +7^{\circ}C$	7.18	5.99
Cdh	0.90	0.90
Pdh Tj = 12°C	3.75 kW	3.66 kW
COP Tj = 12°C	8.41	6.88
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.15 kW	7.21 kW
COP Tj = Tbiv	3.17	2.70
Pdh Tj = TOL	5.25 kW	4.98 kW
COP Tj = TOL	2.74	2.22
WTOL	75 °C	75 °C
Poff	12 W	12 W
PTO	10 W	10 W
PSB	12 W	12 W
РСК	10 W	10 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	6.56 kW	6.93 kW
Annual energy consumption Qhe	7574 kWh	9005 kWh



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Pdh Tj = -15°C (if TOL $<$ -20°C)	6.49	6.29
COP Tj = -15 °C (if TOL< -20 °C)	2.74	2.22
Cdh	0.90	0.90