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Summary of	WPL-A 05/07 HK 230 Premium	Reg. No.	011-1W0393
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
COP	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

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
PTO	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 14825		
	Low temperature	**Medium temperature**

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°C	3.07 kW	2.72 kW
COP Tj = +7°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
PTO	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°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
PTO	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

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
COP	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

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
PTO	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**

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°C	4.30	2.93
Cdh	0.90	0.90
Pdh Tj = +7°C	3.10 kW	2.80 kW
COP Tj = +7°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
PTO	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	984 kWh	1388 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 %	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°C	3.24 kW	3.15 kW
COP Tj = +7°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
PCK	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

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