Subtype WPL-A 10.2 Trend HK 230

Certificate Holder	STIEBEL ELTRON GmbH & Co KG
Address	Dr. Stiebel Straße 33
ZIP	37603
City	Holzminden
Country	DE
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	WPL-A 10.2 Trend HK 230
Registration number	011-1W0976
Heat Pump Type	Outdoor Air/Water
Refrigerant	R290
Mass of Refrigerant	1.4 kg
Certification Date	04.02.2025
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model WPL-A 10.2 Trend HK 230	
Model name	WPL-A 10.2 Trend HK 230
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	Colder, Warmer, Warmer Climate, Colder Climate
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	4.26 kW	3.70 kW
El input	0.79 kW	1.11 kW
COP	5.40	3.33

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	181 %	148 %
Prated	10.64 kW	10.62 kW
SCOP	4.59	3.79
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	9.41 kW	9.40 kW
COP Tj = -7°C	2.82	2.38
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	5.52 kW	5.69 kW
COP Tj = +2°C	4.23	3.51
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.70 kW	3.69 kW

COP Tj = +7°C	6.76	5.34
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.31 kW	3.22 kW
COP Tj = 12°C	8.50	6.82
Cdh Tj = +12 °C	0.930	0.970
Pdh Tj = Tbiv	9.41 kW	9.40 kW
COP Tj = Tbiv	2.82	2.38
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	9.13 kW	9.26 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.70	2.21
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	26 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	1.51 kW	1.36 kW
Annual energy consumption Qhe	4791 kWh	5795 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	165 %	136 %
Prated	10.79 kW	10.58 kW
SCOP	4.20	3.48
Tbiv	-15 °C	-15 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	6.43 kW	6.40 kW
COP Tj = -7°C	3.37	2.85
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	4.03 kW	3.94 kW
COP Tj = +2°C	5.01	4.00
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	2.87 kW	2.79 kW
COP Tj = +7°C	7.20	5.85
Cdh Tj = +7 °C	0.940	0.970
Pdh Tj = 12°C	3.31 kW	3.25 kW
COP Tj = 12°C	8.61	7.03
Cdh Tj = +12 °C	0.940	0.970
Pdh Tj = Tbiv	8.80 kW	8.64 kW

COP Tj = Tbiv	2.72	2.33
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.02 kW	7.12 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34	1.91
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	26 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.77 kW	3.46 kW
Annual energy consumption Qhe	6334 kWh	7492 kWh
Pdh Tj = -15°C (if TOL	8.80	8.64
COP Tj = -15°C (if TOL	2.72	2.33
Cdh Tj = -15 °C	0.900	0.900

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	255 %	185 %
Prated	5.87 kW	6.05 kW
SCOP	6.44	4.69
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	5.87 kW	6.05 kW
COP Tj = +2°C	3.96	2.86
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	3.73 kW	3.84 kW
COP Tj = +7°C	5.95	4.05
Cdh Tj = +7 °C	0.900	0.900
Pdh Tj = 12°C	3.28 kW	3.13 kW
COP Tj = 12°C	8.09	6.00
Cdh Tj = +12 °C	0.940	0.970
Pdh Tj = Tbiv	5.87 kW	6.05 kW
COP Tj = Tbiv	3.96	2.86
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.87 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.96	2.86

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh		
WTOL	75 °C	75 °C
Poff	9 W	9 W
PTO	26 W	18 W
PSB	9 W	9 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1218 kWh	1722 kWh