This information was generated by the HP KEYMARK database on 18 Mar 2022

Login

Summary of	HPG-I 04/06/08 (D)(C)S Premium	Reg. No.	011-1W0473
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	HPG-I 04/06/08 (D)(C)S Premium		
Heat Pump Type	Brine/Water		
Refrigerant	R454C		
Mass of Refrigerant	2.2 kg		
Certification Date	26.08.2021		
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 8 (as of 2020-09)		

Model: HPG-I 04 (D)(C)S Premium

Configure model	
Model name	HPG-I 04 (D)(C)S Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	3x400V 50Hz

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	1.96 kW	1.26 kW
El input	0.43 kW	0.47 kW
COP	4.60	2.73

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 indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	195 %	153 %
Prated	4.23 kW	3.76 kW
SCOP	5.07	4.02
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.73 kW	3.32 kW
COP Tj = -7°C	5.01	3.58
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.26 kW	2.02 kW
COP Tj = +2°C	5.38	4.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.45 kW	1.30 kW
COP Tj = +7°C	5.34	4.47
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.08 kW

COP Tj = 12°C	5.32	4.49
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	1723 kWh	1934 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	187 %	147 %
Prated	4.23 kW	3.76 kW
SCOP	4.87	3.87
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.23 kW	3.76 kW
COP Tj = +2°C	4.86	3.43
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.71 kW	2.41 kW
COP Tj = +7°C	5.24	3.95
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.20 kW	1.08 kW
COP Tj = 12°C	5.31	4.39
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W

PTO	16 W	16 W
PSB	16 W	16 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	1159 kWh	1300 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	38 dB(A)	38 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	201 %	157 %
Prated	4.23 kW	3.76 kW
SCOP	5.21	4.12
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	2.55 kW	2.27 kW
COP Tj = -7°C	5.37	4.10

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	1.55 kW	1.38 kW
COP Tj = +2°C	5.45	4.37
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.13 kW	1.09 kW
COP Tj = +7°C	5.31	4.51
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.12 kW	1.09 kW
COP Tj = 12°C	5.21	4.52
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	4.23 kW	3.76 kW
COP Tj = Tbiv	4.86	3.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.23 kW	3.76 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.86	3.43
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	2000 kWh	2252 kWh

Model: HPG-I 06 (D)(C)S Premium

Configure model	
Model name	HPG-I 06 (D)(C)S Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.37 kW	2.01 kW
El input	0.52 kW	0.69 kW
COP	4.60	2.91

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 indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	200 %	160 %
Prated	6.70 kW	6.05 kW
SCOP	5.20	4.18
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	5.91 kW	5.34 kW
COP Tj = -7°C	4.71	3.55
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	3.59 kW	3.25 kW
COP Tj = +2°C	5.39	4.27
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.30 kW	2.09 kW
COP Tj = +7°C	5.60	4.76
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.14 kW	1.08 kW

COP Tj = 12°C	5.47	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	2662 kWh	2988 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	198 %	158 %
Prated	6.70 kW	6.05 kW
SCOP	5.14	4.14
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	6.70 kW	6.05 kW
COP Tj = +2°C	4.52	3.34
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.29 kW	3.88 kW
COP Tj = +7°C	5.19	3.97
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.90 kW	1.72 kW
COP Tj = 12°C	5.71	4.81
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W

PTO	16 W	16 W
PSB	16 W	16 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	1741 kWh	1954 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	41 dB(A)	41 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	207 %	166 %
Prated	6.70 kW	6.05 kW
SCOP	5.38	4.34
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.04 kW	3.65 kW
COP Tj = -7°C	5.36	4.15

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.45 kW	2.22 kW
COP Tj = +2°C	5.64	4.68
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.57 kW	1.42 kW
COP Tj = +7°C	5.76	4.80
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.10 kW
COP Tj = 12°C	5.32	4.73
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	6.70 kW	6.05 kW
COP Tj = Tbiv	4.52	3.34
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	6.70 kW	6.05 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.52	3.34
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	3069 kWh	3439 kWh

Model: HPG-I 08 (D)(C)S Premium

Configure model	
Model name	HPG-I 08 (D)(C)S Premium
Application	Heating (medium temp)
Units	Indoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility	No
Cooling mode application (optional)	n/a

General Data	
Power supply	n/a

Heating

EN 14511-2		
	Low temperature	**Medium temperature**
Heat output	2.78 kW	2.42 kW
El input	0.60 kW	0.79 kW
COP	4.67	3.07

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 indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	197 %	158 %
Prated	7.66 kW	6.93 kW
SCOP	5.12	4.14
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	6.76 kW	6.12 kW
COP Tj = -7°C	4.53	3.44
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	4.11 kW	3.72 kW
COP Tj = +2°C	5.25	4.21
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	2.64 kW	2.39 kW
COP Tj = +7°C	5.59	4.69
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.16 kW	1.08 kW

COP Tj = 12°C	5.52	4.61
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	3094 kWh	3461 kWh

Warmer Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	**Medium temperature**

η_s	197 %	157 %
Prated	7.66 kW	6.93 kW
SCOP	5.13	4.13
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	7.66 kW	6.93 kW
COP Tj = +2°C	4.29	3.22
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	4.91 kW	4.45 kW
COP Tj = +7°C	5.09	3.88
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.17 kW	1.97 kW
COP Tj = 12°C	5.75	4.85
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W

PTO	16 W	16 W
PSB	16 W	16 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	1997 kWh	2243 kWh

Colder Climate

EN 12102-1		
	Low temperature	**Medium temperature**
Sound power level indoor	40 dB(A)	40 dB(A)

EN 14825		
	Low temperature	**Medium temperature**
η_s	204 %	163 %
Prated	7.66 kW	6.93 kW
SCOP	5.29	4.29
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	4.62 kW	4.18 kW
COP Tj = -7°C	5.17	4.07

Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	2.81 kW	2.54 kW
COP Tj = +2°C	5.60	4.60
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	1.80 kW	1.63 kW
COP Tj = +7°C	5.76	4.90
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	1.13 kW	1.09 kW
COP Tj = 12°C	5.34	4.75
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	7.66 kW	6.93 kW
COP Tj = Tbiv	4.29	3.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	7.66 kW	6.93 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.29	3.22
WTOL	75 °C	75 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 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	3570 kWh	3985 kWh