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Login

Summary of	HPG-I 12/15 (D)(C)S Premium	Reg. No.	011-1W0474	
Certificate Holder				
Name	STIEBEL ELTRON GmbH & Co KG	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 12/15 (D)(C)S Premium			
Heat Pump Type	Brine/Water			
Refrigerant	R454C			
Mass of Refrigerant	3.1 kg			
Certification Date	26.08.2021			
Testing basis	European KEYMARK Scheme for Heat Pumps Rev. 8 (as of 2020-09)			

Model: HPG-I 12 (D)(C)S Premium

Configure model		
Model name	HPG-I 12 (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	4.19 kW	4.20 kW	
El input	0.84 kW	1.34 kW	
СОР	5.01	3.13	

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

Warmer Climate





EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	39 dB(A)	39 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	214 %	168 %
Prated	12.03 kW	11.99 kW
SCOP	5.55	4.39
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	12.03 kW	11.99 kW
COP Tj = +2°C	4.53	3.29
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = +7°C	7.71 kW	7.69 kW
COP Tj = +7°C	5.51	4.12
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	3.41 kW	3.41 kW
COP Tj = 12°C	6.14	5.10
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	12.03 kW	11.99 kW

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COP Tj = Tbiv	4.53	3.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.03 kW	11.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.53	3.29
WTOL	75 °C	75 °C
Poff	19 W	19 W
РТО	19 W	19 W
PSB	19 W	19 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	2896 kWh	3650 kWh

Colder Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	

	EN 14825		
Low temperature	Medium temperature		
224 %	174 %		
12.03 kW	11.99 kW		
	224 %		





This information was gene	Tated by the HE KLIMA	RK database on 23 jun 202.
SCOP	5.80	4.56
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7 °C	7.26 kW	7.24 kW
$COP Tj = -7^{\circ}C$	5.69	4.31
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2^{\circ}$ C	4.41 kW	4.40 kW
$COPTj = +2^{\circ}C$	6.16	4.91
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	2.82 kW	2.82 kW
$COPTj = +7^{\circ}C$	6.19	5.16
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.29 kW	2.23 kW
COP Tj = 12°C	6.12	5.40
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	12.03 kW	11.99 kW
COP Tj = Tbiv	4.53	3.29
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	12.03 kW	11.99 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.53	3.29
WTOL	75 °C	75 °C
Poff	19 W	19 W



РТО	19 W	19 W
PSB	19 W	19 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	5108 kWh	6485 kWh

Average Climate

EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	216 %	169 %
Prated	12.03 kW	11.99 kW
SCOP	5.59	4.42
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	10.61 kW	10.59 kW
COP Tj = -7°C	4.81	3.55





0.90	0.90
6.45 kW	6.44 kW
5.72	4.49
0.90	0.90
4.14 kW	4.13 kW
6.12	4.99
0.90	0.90
2.30 kW	2.21 kW
6.29	5.25
0.90	0.90
12.03 kW	11.99 kW
4.53	3.29
12.03 kW	11.99 kW
4.53	3.29
75 °C	75 °C
19 W	19 W
19 W	19 W
19 W	19 W
0 W	o w
Electricity	Electricity
0.00 kW	0.00 kW
	5.72 0.90 4.14 kW 6.12 0.90 2.30 kW 6.29 0.90 12.03 kW 4.53 12.03 kW 4.53 75 °C 19 W 19 W 19 W



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Annual energy consumption Qhe	4445 kWh	5607 kWh
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Model: HPG-I 15 (D)(C)S Premium

Configure model		
Model name	HPG-I 15 (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	5.18 kW	4.72 kW	
El input	1.07 kW	1.48 kW	
СОР	4.86	3.18	

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

Warmer Climate

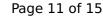




EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825			
Low temperature Medium temperatu			
η_{s}	208 %	167 %	
Prated	14.46 kW	13.77 kW	
SCOP	5.41	4.37	
Tbiv	2 °C	2 °C	
TOL	2 °C	2 °C	
Pdh Tj = +2°C	14.46 kW	13.77 kW	
COP Tj = +2°C	4.30	3.26	
Cdh Tj = +2 °C	0.90	0.90	
Pdh Tj = $+7^{\circ}$ C	9.27 kW	8.83 kW	
$COP Tj = +7^{\circ}C$	5.13	3.99	
Cdh Tj = +7 °C	0.90	0.90	
Pdh Tj = 12°C	4.11 kW	3.92 kW	
COP Tj = 12°C	6.17	5.16	
Cdh Tj = +12 °C	0.90	0.90	
Pdh Tj = Tbiv	14.46 kW	13.77 kW	

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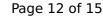


COP Tj = Tbiv	4.30	3.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.46 kW	13.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.30	3.26
WTOL	75 °C	75 °C
Poff	19 W	19 W
РТО	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	3573 kWh	4211 kWh

Colder Climate

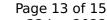
EN 12102-1			
Low temperature Medium temperature			
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825		
Low temperature	Medium temperature	
218 %	174 %	
14.46 kW	13.77 kW	
	Low temperature 218 %	





SCOP	5.66	4.56
Tbiv	-22 °C	-22 °C
TOL	-22 °C	-22 °C
Pdh Tj = -7°C	8.73 kW	8.32 kW
$COP Tj = -7^{\circ}C$	5.32	4.24
Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = $+2$ °C	5.30 kW	5.05 kW
COP Tj = +2°C	6.15	4.94
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	3.40 kW	3.24 kW
$COP Tj = +7^{\circ}C$	6.27	5.24
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.29 kW	2.23 kW
COP Tj = 12°C	6.12	5.44
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	14.46 kW	13.77 kW
COP Tj = Tbiv	4.30	3.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.46 kW	13.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.30	3.26
WTOL	75 °C	75 °C
Poff	19 W	19 W





РТО	19 W	19 W
PSB	19 W	19 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	6298 kWh	7451 kWh

Average Climate

EN 12102-1			
	Low temperature	Medium temperature	
Sound power level indoor	39 dB(A)	39 dB(A)	

EN 14825		
	Low temperature	Medium temperature
η_{s}	210 %	168 %
Prated	14.46 kW	13.77 kW
SCOP	5.44	4.39
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	12.77 kW	12.16 kW
COP Tj = -7°C	4.46	3.40

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Cdh Tj = -7 °C	0.90	0.90
Pdh Tj = +2°C	7.76 kW	7.40 kW
COP Tj = +2°C	5.51	4.44
Cdh Tj = +2 °C	0.90	0.90
Pdh Tj = $+7^{\circ}$ C	4.98 kW	4.75 kW
$COPTj = +7^{\circ}C$	6.13	5.03
Cdh Tj = +7 °C	0.90	0.90
Pdh Tj = 12°C	2.29 kW	2.22 kW
COP Tj = 12°C	6.18	5.31
Cdh Tj = +12 °C	0.90	0.90
Pdh Tj = Tbiv	14.46 kW	13.77 kW
COP Tj = Tbiv	4.30	3.26
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	14.46 kW	13.77 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.30	3.26
WTOL	75 °C	75 °C
Poff	19 W	19 W
РТО	19 W	19 W
PSB	19 W	19 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW



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Annual energy consumption Qhe	5489 kWh	6476 kWh
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