

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

Summary of	HPA-O 7 S Premium, HPA-O 7 CS Premium		Reg. No.	011-1W0229
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	VDE Prüf- und Zertifizierungsinstitut GmbH			
Subtype title	HPA-O 7 S Premium, HPA-O 7 CS Premium			
Heat Pump Type	Outdoor Air/Water			
Refrigerant	Other			
Mass Of Refrigerant	4.2 kg			
Certification Date	08.01.2018			

Model: HPA-O 7 S Premium

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.68 kW	3.74 kW
El input	1.11 kW	1.37 kW
COP	4.23	2.73
Indoor water flow rate	0.78 m ³ /h	0.50 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	50 dB(A)	50 dB(A)

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EN 14825

	Low temperature	Medium temperature
η_s	151 %	122 %
Prated	8.00 kW	8.00 kW
SCOP	3.84	3.20
Tbiv	-8 °C	-8 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.10 kW
COP Tj = -7°C	2.49	2.18
Cdh	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.04	3.30
Cdh	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.20 kW
COP Tj = +7°C	5.08	4.07
Cdh	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.00 kW
COP Tj = 12°C	6.30	5.14
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.10 kW	7.40 kW
COP Tj = Tbiv	2.42	2.13

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Pdh Tj = TOL	6.60 kW	7.00 kW
COP Tj = TOL	2.71	1.97
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4303 kWh	5300 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	153 %	120 %
Prated	4.00 kW	4.00 kW
SCOP	3.91	2.99
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.20 kW	4.00 kW
COP Tj = +2°C	3.48	2.50

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Cdh	0.90	0.90
Pdh Tj = +7°C	4.30 kW	3.90 kW
COP Tj = +7°C	4.46	3.16
Cdh	0.90	0.90
Pdh Tj = 12°C	4.30 kW	3.80 kW
COP Tj = 12°C	5.89	4.57
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.20 kW	4.00 kW
COP Tj = Tbiv	3.48	2.50
Pdh Tj = TOL	9.20 kW	9.80 kW
COP Tj = TOL	2.15	1.98
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1367 kWh	1750 kWh

Colder Climate

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EN 14825

	Low temperature	Medium temperature
η_s	137 %	118 %
Prated	11.00 kW	12.00 kW
SCOP	3.51	3.05
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.00 kW
COP Tj = -7°C	2.72	2.45
Cdh	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.45	3.70
Cdh	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.30 kW
COP Tj = +7°C	5.44	4.53
Cdh	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.10 kW
COP Tj = 12°C	6.30	5.44
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.70 kW	7.90 kW
COP Tj = Tbiv	2.50	2.28

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Pdh Tj = TOL	9.10 kW	9.70 kW
COP Tj = TOL	2.25	2.10
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	11.20 kW	11.61 kW
Annual energy consumption Qhe	7727 kWh	9481 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.10	9.70
COP Tj = -15°C (if TOL<-20°C)	2.25	2.10
Cdh	0.90	0.90

Model: HPA-O 7 CS Premium

General Data

Power supply	1x230V 50Hz
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Heating

EN 14511-2

	Low temperature	Medium temperature
Heat output	4.68 kW	3.74 kW
El input	1.11 kW	1.37 kW
COP	4.23	2.73
Indoor water flow rate	0.78 m ³ /h	0.50 m ³ /h

EN 14511-4

Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Starting and operating test	passed

Average Climate

EN 12102-1

	Low temperature	Medium temperature
Sound power level outdoor	50 dB(A)	50 dB(A)

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EN 14825

	Low temperature	Medium temperature
η_s	159 %	127 %
Prated	8.00 kW	8.00 kW
SCOP	4.04	3.34
Tbiv	-8 °C	-8 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.10 kW
COP Tj = -7°C	2.49	2.18
Cdh	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.04	3.30
Cdh	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.20 kW
COP Tj = +7°C	5.08	4.07
Cdh	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.00 kW
COP Tj = 12°C	6.30	5.14
Cdh	0.90	0.90
Pdh Tj = Tbiv	7.10 kW	7.40 kW
COP Tj = Tbiv	2.42	2.13

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Pdh Tj = TOL	6.60 kW	7.00 kW
COP Tj = TOL	2.71	1.97
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	4086 kWh	5084 kWh

Warmer Climate

EN 14825		
	Low temperature	Medium temperature
η_s	190 %	142 %
Prated	4.00 kW	4.00 kW
SCOP	4.83	3.50
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	4.20 kW	4.00 kW
COP Tj = +2°C	3.48	2.50

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

Cdh	0.90	0.90
Pdh Tj = +7°C	4.30 kW	3.90 kW
COP Tj = +7°C	4.46	3.16
Cdh	0.90	0.90
Pdh Tj = 12°C	4.30 kW	3.80 kW
COP Tj = 12°C	5.89	4.57
Cdh	0.90	0.90
Pdh Tj = Tbiv	4.20 kW	4.00 kW
COP Tj = Tbiv	3.48	2.50
Pdh Tj = TOL	9.20 kW	9.80 kW
COP Tj = TOL	2.15	1.98
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	1106 kWh	1489 kWh

Colder Climate

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

EN 14825

	Low temperature	Medium temperature
η_s	140 %	119 %
Prated	11.00 kW	12.00 kW
SCOP	3.57	3.09
Tbiv	-10 °C	-10 °C
TOL	-20 °C	-20 °C
Pdh Tj = -7°C	6.80 kW	7.00 kW
COP Tj = -7°C	2.72	2.45
Cdh	0.90	0.90
Pdh Tj = +2°C	4.30 kW	4.20 kW
COP Tj = +2°C	4.45	3.70
Cdh	0.90	0.90
Pdh Tj = +7°C	4.50 kW	4.30 kW
COP Tj = +7°C	5.44	4.53
Cdh	0.90	0.90
Pdh Tj = 12°C	4.40 kW	4.10 kW
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Pdh Tj = Tbiv	7.70 kW	7.90 kW
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Pdh Tj = TOL	9.10 kW	9.70 kW
COP Tj = TOL	2.25	2.10
WTOL	65 °C	65 °C
Poff	16 W	16 W
PTO	16 W	16 W
PSB	16 W	16 W
PCK	43 W	43 W
Supplementary Heater: Type of energy input	electricity	electricity
Supplementary Heater: PSUP	11.20 kW	11.61 kW
Annual energy consumption Qhe	7597 kWh	9351 kWh
Pdh Tj = -15°C (if TOL<-20°C)	9.10	9.70
COP Tj = -15°C (if TOL<-20°C)	2.25	2.10
Cdh	0.90	0.90