

Page 1 of 31

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Login

Summary of	HPA-O 3/4 CS Plus	Reg. No.	011-1W0283
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	HPA-O 3/4 CS Plus		
Heat Pump Type	Outdoor Air/Water		
Refrigerant	R410A		
Mass of Refrigerant	1.1 kg		
Certification Date	03.12.2018		
Testing basis	HP KEYMARK certification scheme rules rev. no. 5		

Model: HPA-O 3 CS Plus, low temperature, all climates

Configure model		
Model name	HPA-O 3 CS Plus, low temperature, all climates	
Application	Heating (low temp)	
Units	Outdoor	
Climate Zone	Colder Climate + Warmer Climate	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

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

EN 14511-2	
	Low temperature
Heat output	2.73 kW
El input	0.58 kW
СОР	4.70

Average Climate



EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)

EN 14825	
	Low temperature
η_{s}	166 %
Prated	3.62 kW
SCOP	4.22
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	3.20 kW
COP Tj = -7°C	2.88
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	1.95 kW
$COP Tj = +2^{\circ}C$	4.11
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.59 kW
$COP Tj = +7^{\circ}C$	5.81
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.66 kW





COP Tj = 12°C	6.34
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.20 kW
COP Tj = Tbiv	2.88
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
РТО	30 W
PSB	17 W
PCK	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.58 kW
Annual energy consumption Qhe	1771 kWh

Warmer Climate

EN 14825	
	Low temperature
η_{s}	200 %
Prated	3.00 kW
Truccu	J.00 KW





SCOP SCOP	5.07
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	3.04 kW
$COP Tj = +2^{\circ}C$	3.39
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.95 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.63 kW
COP Tj = 12°C	6.14
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.04 kW
COP Tj = Tbiv	3.39
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.04 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.39
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
РТО	30 W
PSB	17 W



PCK	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	791 kWh

EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)

Colder Climate

EN 14825	
	Low temperature
η_{S}	148 %
Prated	3.38 kW
SCOP	3.77
Tbiv	-15 °C
TOL	-20 °C
Pdh Tj = -7 °C	2.05 kW
COP Tj = -7 °C	3.20
Cdh Tj = -7 $^{\circ}$ C	0.900
Pdh Tj = $+2$ °C	1.25 kW





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COP Tj = +2°C	4.55
Cdh Tj = +2 °C	0.900
Pdh Tj = $+7^{\circ}$ C	1.39 kW
$COPTj = +7^{\circ}C$	6.03
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.64 kW
COP Tj = 12°C	6.22
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	2.76 kW
COP Tj = Tbiv	2.56
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.33 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
РТО	30 W
PSB	17 W
РСК	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	3.38 kW
Annual energy consumption Qhe	2208 kWh



Page 8 of 31

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

Pdh Tj = -15°C (if TOL<-20°C)	
COP Tj = -15°C (if TOL $<$ -20°C)	
Cdh Tj = -15 °C	

EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)



Model: HPA-O 3 CS Plus + HSBB 200 classic, HSBB 200 S classic

Configure model		
Model name	HPA-O 3 CS Plus + HSBB 200 classic, HSBB 200 S classic	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.73 kW	1.92 kW
El input	0.58 kW	0.74 kW
СОР	4.70	2.59

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



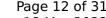
EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	166 %	116 %
Prated	3.62 kW	3.83 kW
SCOP	4.22	2.96
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	3.20 kW	2.79 kW
COP Tj = -7°C	2.88	2.01
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = $+2^{\circ}$ C	1.95 kW	2.01 kW
COP Tj = +2°C	4.11	2.94
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = $+7^{\circ}$ C	1.59 kW	1.25 kW
COP Tj = +7°C	5.81	4.13
Cdh Tj = +7 °C	0.900	0.900

1.66 kW	1.54 kW
6.34	5.13
0.900	0.900
3.20 kW	3.09 kW
2.88	2.20
3.04 kW	2.79 kW
2.51	2.01
0.900	0.900
60 °C	60 °C
17 W	17 W
30 W	30 W
17 W	17 W
5 W	5 W
Electricity	Electricity
0.58 kW	3.83 kW
1771 kWh	2672 kWh
	6.34 0.900 3.20 kW 2.88 3.04 kW 2.51 0.900 60 °C 17 W 30 W 17 W 5 W Electricity 0.58 kW

Domestic Hot Water (DHW)

Average Climate





$$\operatorname{\textit{Page}}\ 12$$ of 31 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.70	
Heating up time	1:50 h:min	
Standby power input	35.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	245 I	



Model: HPA-O 3 CS Plus + HSBC 200, HSBC 200 S

Configure model		
Model name	HPA-O 3 CS Plus + HSBC 200, HSBC 200 S	
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility Yes		
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.73 kW	1.92 kW
El input	0.58 kW	0.74 kW
СОР	4.70	2.59

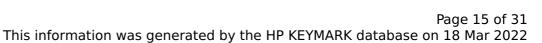
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825			
	Low temperature	Medium temperature	
η_{s}	166 %	116 %	
Prated	3.62 kW	3.83 kW	
SCOP	4.22	2.96	
Tbiv	-7 °C	-5 °C	
TOL	-10 °C	-7 °C	
Pdh Tj = -7°C	3.20 kW	2.79 kW	
COP Tj = -7°C	2.88	2.01	
Cdh Tj = -7 °C	0.900	0.900	
Pdh Tj = +2°C	1.95 kW	2.01 kW	
COP Tj = +2°C	4.11	2.94	
Cdh Tj = +2 °C	0.900	0.900	
Pdh Tj = +7°C	1.59 kW	1.25 kW	
$COP Tj = +7^{\circ}C$	5.81	4.13	
Cdh Tj = +7 °C	0.900	0.900	

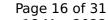




Pdh Tj = 12°C	1.66 kW	1.54 kW
COP Tj = 12°C	6.34	5.13
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	3.20 kW	3.09 kW
COP Tj = Tbiv	2.88	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.04 kW	2.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	30 W	30 W
PSB	17 W	17 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.58 kW	3.83 kW
Annual energy consumption Qhe	1771 kWh	2672 kWh

Domestic Hot Water (DHW)

Average Climate





EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.70	
Heating up time	1:50 h:min	
Standby power input	35.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	245 I	

Model: HPA-O 4 CS Plus + HSBC 200, HSBC 200 S

Configure model		
Model name	HPA-O 4 CS Plus + HSBC 200, HSBC 200 S	
Application Heating + DHW + low temp		
Units Indoor + Outdoor		
Climate Zone n/a		
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply	1x230V 50Hz	

Heating

EN 14511-2		
	Low temperature	Medium temperature
Heat output	2.73 kW	1.92 kW
El input	0.58 kW	0.74 kW
СОР	4.70	2.59

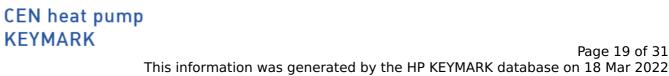
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	165 %	116 %
Prated	4.59 kW	3.83 kW
SCOP	4.20	2.96
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	4.03 kW	2.79 kW
COP Tj = -7°C	2.67	2.01
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.53 kW	2.01 kW
COP Tj = +2°C	4.00	2.94
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.63 kW	1.25 kW
COP Tj = +7°C	6.06	4.13
Cdh Tj = +7 °C	0.900	0.900



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1.67 kW	1.54 kW
6.43	5.13
0.900	0.900
4.03 kW	3.09 kW
2.67	2.20
3.80 kW	2.79 kW
2.51	2.01
0.900	0.900
60 °C	60 °C
17 W	17 W
30 W	30 W
17 W	17 W
5 W	5 W
Electricity	Electricity
0.79 kW	3.83 kW
2258 kWh	2672 kWh
	6.43 0.900 4.03 kW 2.67 3.80 kW 2.51 0.900 60 °C 17 W 30 W 17 W 5 W Electricity 0.79 kW

Domestic Hot Water (DHW)

Average Climate



EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.70	
Heating up time	1:50 h:min	
Standby power input	35.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	245 I	



Model: HPA-O 4 CS Plus + HSBB 200 classic, HSBB 200 S classic

Configure model		
Model name	HPA-O 4 CS Plus + HSBB 200 classic, HSBB 200 S classic	
Application	Heating + DHW + low temp	
Units	Indoor + Outdoor	
Climate Zone	n/a	
Reversibility	Yes	
Cooling mode application (optional)	n/a	

General Data		
Power supply 1x230V 50Hz		

Heating

EN 14511-2			
	Low temperature	Medium temperature	
Heat output	2.73 kW	1.92 kW	
El input	0.58 kW	0.74 kW	
СОР	4.70	2.59	

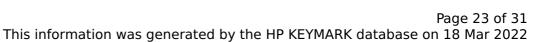
EN 14511-4	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed
Defrost test	passed
Starting and operating test	passed

Average Climate



EN 12102-1		
	Low temperature	Medium temperature
Sound power level indoor	33 dB(A)	33 dB(A)
Sound power level outdoor	52 dB(A)	52 dB(A)

EN 14825		
	Low temperature	Medium temperature
η_{s}	165 %	116 %
Prated	4.59 kW	3.83 kW
SCOP	4.20	2.96
Tbiv	-7 °C	-5 °C
TOL	-10 °C	-7 °C
Pdh Tj = -7°C	4.03 kW	2.79 kW
COP Tj = -7°C	2.67	2.01
Cdh Tj = -7 °C	0.900	0.900
Pdh Tj = +2°C	2.53 kW	2.01 kW
COP Tj = +2°C	4.00	2.94
Cdh Tj = +2 °C	0.900	0.900
Pdh Tj = +7°C	1.63 kW	1.25 kW
COP Tj = +7°C	6.06	4.13
Cdh Tj = +7 °C	0.900	0.900





Pdh Tj = 12°C	1.67 kW	1.54 kW
COP Tj = 12°C	6.43	5.13
Cdh Tj = +12 °C	0.900	0.900
Pdh Tj = Tbiv	4.03 kW	3.09 kW
COP Tj = Tbiv	2.67	2.20
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.80 kW	2.79 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51	2.01
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900	0.900
WTOL	60 °C	60 °C
Poff	17 W	17 W
РТО	30 W	30 W
PSB	17 W	17 W
PCK	5 W	5 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.79 kW	3.83 kW
Annual energy consumption Qhe	2258 kWh	2672 kWh

Domestic Hot Water (DHW)

Average Climate



$$\operatorname{\textit{Page}}\xspace$ 24 of 31 This information was generated by the HP KEYMARK database on 18 Mar 2022

EN 16147		
Declared load profile	L	
Efficiency ηDHW	113 %	
СОР	2.70	
Heating up time	1:50 h:min	
Standby power input	35.0 W	
Reference hot water temperature	52.5 °C	
Mixed water at 40°C	245 I	

Model: HPA-O 4 CS Plus, low temperature, all climates

Configure model	
Model name HPA-O 4 CS Plus, low temperature, all climates	
Application	Heating (low temp)
Units	Outdoor
Climate Zone	Colder Climate + Warmer Climate
Reversibility Yes	
Cooling mode application (optional)	n/a

General Data		
Power supply	1x230V 50Hz	

Heating

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

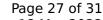
EN 14511-2	
Low temperature	
Heat output	2.73 kW
El input	0.58 kW
СОР	4.70

Average Climate



EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)

EN 14825	
	Low temperature
η_{s}	165 %
Prated	4.59 kW
SCOP	4.20
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	4.03 kW
COP Tj = -7°C	2.67
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	2.53 kW
COP Tj = +2°C	4.00
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.63 kW
COP Tj = +7°C	6.06
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.67 kW

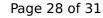




COP Tj = 12°C	6.43
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	4.03 kW
COP Tj = Tbiv	2.67
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.80 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.51
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
РТО	30 W
PSB	17 W
PCK	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.79 kW
Annual energy consumption Qhe	2258 kWh

Warmer Climate

EN 14825	
	Low temperature
η_{S}	203 %
Prated	3.48 kW





Inis information was generated by the HP KEYM	ARK database on 10 Mai 2022
SCOP	5.14
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	3.48 kW
COP Tj = +2°C	3.23
Cdh Tj = +2 °C	0.900
Pdh Tj = $+7$ °C	2.51 kW
$COP Tj = +7^{\circ}C$	5.18
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.64 kW
COP Tj = 12°C	6.23
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.48 kW
COP Tj = Tbiv	3.23
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.48 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.23
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
PTO	30 W
PSB	17 W





PCK	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	0.00 kW
Annual energy consumption Qhe	904 kWh

EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)

Colder Climate

EN 14825	
	Low temperature
η_{s}	147 %
Prated	4.29 kW
SCOP	3.76
Tbiv	-15 °C
TOL	-20 °C
Pdh Tj = -7°C	2.94 kW
COP Tj = -7°C	3.12
Cdh Tj = -7 °C	0.900
Pdh Tj = +2°C	1.75 kW





This information was generated by the fire RETH	
COP Tj = +2°C	4.61
Cdh Tj = +2 °C	0.900
Pdh Tj = +7°C	1.42 kW
$COP Tj = +7^{\circ}C$	6.34
Cdh Tj = +7 °C	0.900
Pdh Tj = 12°C	1.65 kW
COP Tj = 12°C	6.27
Cdh Tj = +12 °C	0.900
Pdh Tj = Tbiv	3.48 kW
COP Tj = Tbiv	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.91 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.13
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.900
WTOL	60 °C
Poff	17 W
РТО	30 W
PSB	17 W
PCK	5 W
Supplementary Heater: Type of energy input	Electricity
Supplementary Heater: PSUP	4.29 kW
Annual energy consumption Qhe	2812 kWh



Page 31 of 31

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

Pdh Tj = -15°C (if TOL<-20°C)	
COP Tj = -15°C (if TOL $<$ -20°C)	
Cdh Tj = -15 °C	

EN 12102-1	
	Low temperature
Sound power level outdoor	52 dB(A)