

# HPA-0 4 CS Plus compact D Set 1.1

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 204274

## Set a new standard in new build

Let's assume you're in the middle of building a family house. You should take a look at this set. It makes use of advanced inverter technology to deliver a pleasingly high level of efficiency.

## Assured of the perfect supply

With its high quality equipment features, this heat pump ensures that you have the best possible supply of DHW in your home at all times. The cooling function is included. You can therefore provide yourself and your family with a refreshing level of living comfort even on hot days.

## Install everything from one set

We have already integrated a large proportion of the requisite system technology into the set, such as the hydraulic module and connecting components. This allows your installer to set up the appliance with minimal effort, without needing a lot of space.

## The main features

Set comprising the outdoor air source heat pump for heating and cooling, and the HSBC 180 Plus integral cylinder

Inverter technology for high efficiency and low energy bills

Low noise emissions due to intelligent appliance design

Operating noise can be further reduced in night mode ("silent mode")

Flow temperature of up to 60 °C for high hot water convenience

Combi unit comprising a DHW cylinder and buffer cylinder halves the installation space required for separate cylinders

Compact, reliable and energy saving for use in family homes



**HPA-0 3 CS Plus  
compact D Set 1.1**

Product-No.: 204282



**HPA-0 3 CS Plus  
compact D Set S 1.1**

Product-No.: 204277



**HPA-0 4 CS Plus  
compact D Set S 1.1**

Product-No.: 204278



**HPA-0 6 CS Plus  
compact D Set 1.1**

Product-No.: 204275



**HPA-0 6 CS Plus  
compact D Set S 1.1**

Product-No.: 204279



**HPA-0 8 CS Plus  
compact D Set 1.1**

Product-No.: 204276



**HPA-0 8 CS Plus  
compact D Set S 1.1**

Product-No.: 204280

Set comprising the HPA-O 4 CS Plus outdoor air source heat pump for heating and cooling, and the HSBC 180 Plus integral cylinder

## Set-Components 1



Type	HPA-O 3 CS Plus	HPA-O 3 CS Plus	HPA-O 4 CS Plus
Product set	HPA-O 3 CS Plus compact D Set 1.1	HPA-O 3 CS Plus compact D Set S 1.1	HPA-O 4 CS Plus compact D Set 1.1

## Technical data

Energy efficiency class, heat pump W35	A++	A++	A++
Energy efficiency class, heat pump W55	A+	A+	A+
Energy efficiency class, composite system (heat pump + controller) W35	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W55	A+	A+	A+
Heating output at A7/W35 (EN 14511)	2.73 kW	2.73 kW	2.73 kW
Heating output at A2/W35 (EN 14511)	2.08 kW	2.08 kW	2.58 kW
Heating output at A-7/W35 (EN 14511)	3.20 kW	3.20 kW	3.96 kW
Max. cooling capacity at A35/W7	2.00 kW	2.00 kW	3.00 kW
Cooling capacity at A35/W18 partial load	1.50 kW	1.50 kW	1.50 kW
Max. cooling capacity at A35/W18	2.00 kW	2.00 kW	3.00 kW
COP at A7/W35 (EN 14511)	4.70	4.70	4.70
COP at A2/W35 (EN 14511)	3.70	3.70	3.64
COP at A-7/W35 (EN 14511)	2.81	2.81	2.73
Energy efficiency ratio at A35/W7 max.	2.15	2.15	1.62
Energy efficiency ratio at A35/W18 partial load	3.56	3.56	3.56
Energy efficiency ratio at A35/W18 max.	3.12	3.12	3.12
SCOP 35 °C (EN 14825)	4.23	4.23	4.15

Sound power level (EN 12102)	52 dB(A)	52 dB(A)	52 dB(A)
Min./max. application limits for heat source	-20...40 °C	-20...40 °C	-20...40 °C
Max. application limit on the heating side	60 °C	60 °C	60 °C
Height	740 mm	740 mm	740 mm
Width	1022 mm	1022 mm	1022 mm
Depth	524 mm	524 mm	524 mm
Weight	62 kg	62 kg	62 kg
Rated voltage, compressor	230 V	230 V	230 V
Refrigerant	R410A	R410A	R410A

## Set-Components 1



Type	HPA-O 4 CS Plus	HPA-O 6 CS Plus	HPA-O 6 CS Plus
Product set	HPA-O 4 CS Plus compact D Set S 1.1	HPA-O 6 CS Plus compact D Set 1.1	HPA-O 6 CS Plus compact D Set S 1.1

## Technical data

Energy efficiency class, heat pump W35	A++	A+++	A+++
Energy efficiency class, heat pump W55	A+	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A++	A+++	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A+	A++	A++
Heating output at A7/W35 (EN 14511)	2.73 kW	4.86 kW	4.86 kW
Heating output at A2/W35 (EN 14511)	2.58 kW	5.30 kW	5.30 kW
Heating output at A-7/W35 (EN 14511)	3.96 kW	6.00 kW	6.00 kW
Max. cooling capacity at A35/W7	3.00 kW	5.00 kW	5.00 kW
Cooling capacity at A35/W18 partial load	1.50 kW	2.50 kW	2.50 kW
Max. cooling capacity at A35/W18	3.00 kW	5.00 kW	5.00 kW
COP at A7/W35 (EN 14511)	4.70	4.76	4.76
COP at A2/W35 (EN 14511)	3.64	3.80	3.80
COP at A-7/W35 (EN 14511)	2.73	2.98	2.98
Energy efficiency ratio at A35/W7 max.	1.62	1.73	1.73
Energy efficiency ratio at A35/W18 partial load	3.56	3.28	3.28
Energy efficiency ratio at A35/W18 max.	3.12	2.88	2.88
SCOP 35 °C (EN 14825)	4.15	4.50	4.50

Sound power level (EN 12102)	52 dB(A)	57 dB(A)	57 dB(A)
Min./max. application limits for heat source	-20...40 °C	-20...40 °C	-20...40 °C
Max. application limit on the heating side	60 °C	60 °C	60 °C
Height	740 mm	812 mm	812 mm
Width	1022 mm	1152 mm	1152 mm
Depth	524 mm	524 mm	524 mm
Weight	62 kg	91 kg	91 kg
Rated voltage, compressor	230 V	230 V	230 V
Refrigerant	R410A	R410A	R410A

## Set-Components 1



Type	HPA-O 8 CS Plus	HPA-O 8 CS Plus
Product set	HPA-O 8 CS Plus compact D Set 1.1	HPA-O 8 CS Plus compact D Set S 1.1

## Technical data

Energy efficiency class, heat pump W35	A+++	A+++
Energy efficiency class, heat pump W55	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A+++	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++
Heating output at A7/W35 (EN 14511)	4.86 kW	4.86 kW
Heating output at A2/W35 (EN 14511)	5.30 kW	5.30 kW
Heating output at A-7/W35 (EN 14511)	7.80 kW	7.80 kW
Max. cooling capacity at A35/W7	6.00 kW	6.00 kW
Cooling capacity at A35/W18 partial load	3.00 kW	3.00 kW
Max. cooling capacity at A35/W18	6.00 kW	6.00 kW
COP at A7/W35 (EN 14511)	4.76	4.76
COP at A2/W35 (EN 14511)	3.80	3.80
COP at A-7/W35 (EN 14511)	2.91	2.91
Energy efficiency ratio at A35/W7 max.	1.73	1.73
Energy efficiency ratio at A35/W18 partial load	3.28	3.28
Energy efficiency ratio at A35/W18 max.	2.88	2.88
SCOP 35 °C (EN 14825)	4.50	4.50

Sound power level (EN 12102)	57 dB(A)	57 dB(A)
Min./max. application limits for heat source	-20...40 °C	-20...40 °C
Max. application limit on the heating side	60 °C	60 °C
Height	812 mm	812 mm
Width	1152 mm	1152 mm
Depth	524 mm	524 mm
Weight	91 kg	91 kg
Rated voltage, compressor	230 V	230 V
Refrigerant	R410A	R410A



## Set-Components 2



Type	HSBC 180 Plus	HSBC 180 S Plus	HSBC 180 Plus
Product set	HPA-O 3 CS Plus compact D Set 1.1	HPA-O 3 CS Plus compact D Set S 1.1	HPA-O 4 CS Plus compact D Set 1.1

## Technical data

Energy efficiency class	B	B	B
Standby energy consumption/24 h at 65 °C	1.29 kWh	1.29 kWh	1.29 kWh
Nominal capacity, DHW cylinder	178 l	178 l	178 l
Nominal capacity, buffer cylinder	80 l	80 l	80 l
Surface area, heat exchanger	1.59 m <sup>2</sup>	1.59 m <sup>2</sup>	1.59 m <sup>2</sup>
Capacity, heat exchanger	10 l	10 l	10 l
Height	1910 mm	1910 mm	1910 mm
Width	605 mm	605 mm	605 mm
Depth	917 mm	917 mm	917 mm
Height when tilted	1986 mm	1986 mm	1986 mm
Weight	134 kg	134 kg	134 kg

## Set-Components 2



Type	HSBC 180 S Plus	HSBC 180 Plus	HSBC 180 S Plus
Product set	HPA-O 4 CS Plus compact D Set S 1.1	HPA-O 6 CS Plus compact D Set 1.1	HPA-O 6 CS Plus compact D Set S 1.1

## Technical data

Energy efficiency class	B	B	B
Standby energy consumption/24 h at 65 °C	1.29 kWh	1.29 kWh	1.29 kWh
Nominal capacity, DHW cylinder	178 l	178 l	178 l
Nominal capacity, buffer cylinder	80 l	80 l	80 l
Surface area, heat exchanger	1.59 m <sup>2</sup>	1.59 m <sup>2</sup>	1.59 m <sup>2</sup>
Capacity, heat exchanger	10 l	10 l	10 l
Height	1910 mm	1910 mm	1910 mm
Width	605 mm	605 mm	605 mm
Depth	917 mm	917 mm	917 mm
Height when tilted	1986 mm	1986 mm	1986 mm
Weight	134 kg	134 kg	134 kg

## Set-Components 2



Type	HSBC 180 Plus	HSBC 180 S Plus
Product set	HPA-O 8 CS Plus compact D Set 1.1	HPA-O 8 CS Plus compact D Set S 1.1

## Technical data

Energy efficiency class	B	B
Standby energy consumption/24 h at 65 °C	1.29 kWh	1.29 kWh
Nominal capacity, DHW cylinder	178 l	178 l
Nominal capacity, buffer cylinder	80 l	80 l
Surface area, heat exchanger	1.59 m <sup>2</sup>	1.59 m <sup>2</sup>
Capacity, heat exchanger	10 l	10 l
Height	1910 mm	1910 mm
Width	605 mm	605 mm
Depth	917 mm	917 mm
Height when tilted	1986 mm	1986 mm
Weight	134 kg	134 kg

Further information about the Set components can be found under the respective product. The necessary T-support or wall mounting bracket is available as an accessory.

## **Contact information**

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **[info@stiebel-eltron.com](mailto:info@stiebel-eltron.com)**

## **Installation information**

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.