HPA-O 6 CS Plus compact Set S 1.1

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 204272

Form an alliance for added convenience

The outdoor air source heat pump in this set makes use of advanced inverter technology to deliver a pleasingly high level of efficiency. Its equipment features ensure 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.

Combine this DHW cylinder with the outdoor heat pump and enjoy high levels of convenience and cost savings – especially if your home is equipped throughout with underfloor heating. The cylinder integrates all hydraulic components for maximum practicality. When summer comes and it's time to turn the heating off, the cylinder also supports cooling via the heat pump and underfloor heating system. The minimalist design of the cylinder also helps it to look great in whatever installation room you choose.

HPA-O 6 CS Plus compact Set 1.1
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HPA-O 8 CS Plus compact Set 1.1
Product-No.: 204270

HPA-O 8 CS Plus compact Set S 1.1
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The main features

- Set comprising the outdoor air source heat pump for heating and cooling, and the HSBB 180 Plus DHW 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
- DHW cylinder containing all important hydraulic components
- Compact and reliable for use in family houses

Set-Components 1

Type	HPA-O 6 CS Plus	HPA-O 4 CS Plus	HPA-O 8 CS Plus
Product set	HPA-O 6 CS Plus compact Set 1.1	HPA-O 6 CS Plus compact Set S 1.1	HPA-O 8 CS Plus compact Set 1.1

Technical data

Energy efficiency class, heat pump W35 (A+++ → D)	A+++	A++	A+++
Energy efficiency class, heat pump W55 (A+++ → D)	A++	A+	A++
SCOP 35 °C (EN 14825)	4.50	4.15	4.61
Heating output at A7/W35 (EN 14511)	4.86 kW	2.73 kW	4.86 kW
Heating output at A2/W35 (EN 14511)	5.30 kW	2.58 kW	5.30 kW
Heating output at A-7/W35 (EN 14511)	6.00 kW	3.96 kW	7.80 kW
Max. cooling capacity at A35/W7	5.00 kW	3.00 kW	6.00 kW
Cooling capacity at A35/W18, partial load (EN 14511)	2.50 kW	1.50 kW	3.00 kW
Max. cooling capacity at A35/W18	5.00 kW	3.00 kW	6.00 kW
COP at A7/W35 (EN 14511)	4.76	4.70	4.76
COP at A2/W35 (EN 14511)	3.80	3.64	3.80
COP at A-7/W35 (EN 14511)	2.98	2.73	2.91
Energy efficiency ratio at A35/W7 max.	1.73	1.62	1.73
Energy efficiency ratio at A35/W18, partial load (EN 14511)	3.28	3.56	3.28
Energy efficiency ratio at A35/W18 max.	2.88	3.12	2.88
Sound power level (EN 12102)	57 dB(A)	52 dB(A)	57 dB(A)
Min./max. application limits for heat source	-20...40 °C	-20...40 °C	-15...40 °C
Max. application limit on the heating side	60 °C	60 °C	60 °C

Height	812 mm	740 mm	812 mm
Width	1152 mm	1022 mm	1152 mm
Depth	524 mm	524 mm	524 mm
Weight	91 kg	62 kg	91 kg
Rated voltage, compressor	230 V	230 V	230 V
Refrigerant	R410A	R410A	R410A
Colour	white	white	white

Set-Components 1

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

Technical data

Energy efficiency class, heat pump W35 (A+++ → D)	A+++
Energy efficiency class, heat pump W55 (A+++ → D)	A++
SCOP 35 °C (EN 14825)	4.61
Heating output at A7/W35 (EN 14511)	4.86 kW
Heating output at A2/W35 (EN 14511)	5.30 kW
Heating output at A-7/W35 (EN 14511)	7.80 kW
Max. cooling capacity at A35/W7	6.00 kW
Cooling capacity at A35/W18, partial load (EN 14511)	3.00 kW
Max. cooling capacity at A35/W18	6.00 kW
COP at A7/W35 (EN 14511)	4.76
COP at A2/W35 (EN 14511)	3.80
COP at A-7/W35 (EN 14511)	2.91
Energy efficiency ratio at A35/W7 max.	1.73
Energy efficiency ratio at A35/W18, partial load (EN 14511)	3.28
Energy efficiency ratio at A35/W18 max.	2.88
Sound power level (EN 12102)	57 dB(A)
Min./max. application limits for heat source	-15...40 °C
Max. application limit on the heating side	60 °C

Height	812 mm
Width	1152 mm
Depth	524 mm
Weight	91 kg
Rated voltage, compressor	230 V
Refrigerant	R410A
Colour	white

Set-Components 2

Type	HSBB 180 plus	HSBB 180 S Plus	HSBB 180 plus
Product set	HPA-O 6 CS Plus compact Set 1.1	HPA-O 6 CS Plus compact Set S 1.1	HPA-O 8 CS Plus compact Set 1.1

Technical data

Energy efficiency class (A+ → F)	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
Surface area, heat exchanger	1.59 m²	1.59 m²	1.59 m²
Capacity, heat exchanger	10 l	10 l	10 l
Height	1300 mm	1300 mm	1300 mm
Width	605 mm	605 mm	605 mm
Depth	917 mm	917 mm	917 mm
Height when tilted	1420 mm	1420 mm	1420 mm
Weight	99 kg	99 kg	99 kg
Suitable for	Heat pump	Heat pump	Heat pump

Set-Components 2

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

Technical data

Energy efficiency class (A+ → F)	B
Standby energy consumption/24 h at 65 °C	1.29 kWh
Nominal capacity, DHW cylinder	178 l
Surface area, heat exchanger	1.59 m²
Capacity, heat exchanger	10 l
Height	1300 mm
Width	605 mm
Depth	917 mm
Height when tilted	1420 mm
Weight	99 kg
Suitable for	Heat pump

Further information about the Set components can be found under the relevant 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**

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.