

HPA-0 07.1 CS Premium compact D Set 2

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 205294

Achieve maximum hot water convenience with ease

Efficient technology uncovers a wide range of functions. Our set overcomes this challenge with ease: choose this outdoor air source heat pump together with the appropriate cylinder solution and not only do you get heating energy in winter and pleasant coolness in summer for your detached house, but also a DHW cylinder with a storage capacity of 290 litres, which is sufficient for higher demands.



Convenient control of the appliance's functions

A heat pump you can rely on: even at very low outside temperatures of down to minus 25 °C, it achieves high flow temperatures to ensure pleasant room heating and high hot water convenience. The combination of DHW and buffer cylinder offers you a compact solution that can be used not only for heating but also for cooling with underfloor heating or separate fan coil units. Since the heat pump manager is contained in the cylinder, no additional space is required and control is particularly easy.

The main features

Set comprising the outdoor air source heat pump for heating and cooling, and the HSBC 300 cool 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 75 °C for first rate hot water convenience and universal use regardless of the heating system

Halves the installation space required for separate cylinders

Connection of two heating circuits possible

With integral heat pump manager for even faster installation of the overall system

High hot water convenience thanks to the large DHW cylinder

Set-Components 1



Type	HPA-O 07.1 CS Premium
Product set	HPA-O 07.1 CS Premium compact D Set 2

Technical data

Energy efficiency class, heat pump W35	A+++
Energy efficiency class, heat pump W55	A+++
Energy efficiency class, composite system (heat pump + controller) W35	A+++
Energy efficiency class, composite system (heat pump + controller) W55	A+++
Heating output at A7/W35 (EN 14511)	3.31 kW
Heating output at A2/W35 (EN 14511)	4.30 kW
Heating output at A-7/W35 (EN 14511)	6.87 kW
Max. cooling capacity at A35/W7	7.30 kW
Cooling capacity at A35/W18 partial load	4.94 kW
Max. cooling capacity at A35/W18	10.15 kW
COP at A7/W35 (EN 14511)	5.42
COP at A2/W35 (EN 14511)	4.30
COP at A-7/W35 (EN 14511)	2.93
Energy efficiency ratio at A35/W7 max.	2.35
Energy efficiency ratio at A35/W18 partial load	4.28
Energy efficiency ratio at A35/W18 max.	2.87

SCOP 35 °C (EN 14825)	4.88
Sound power level (EN 12102)	48 dB(A)
Min./max. application limits for heat source	-25/40 °C
Max. application limit on the heating side	75 °C
Height	900 mm
Width	1270 mm
Depth	593 mm
Weight	135 kg
Rated voltage, compressor	230 V
Rated voltage, emergency/auxiliary heater	230 V
Refrigerant	R454C

Set-Components **2**



Type	HSBC 300 cool
Product set	HPA-O 07.1 CS Premium compact D Set 2

Technical data

Energy efficiency class	B
Standby energy consumption/24 h at 65 °C	1.50 kWh
Nominal capacity, DHW cylinder	270 l
Nominal capacity, buffer cylinder	100 l
Surface area, heat exchanger	3.20 m ²
Capacity, heat exchanger	21 l
Height	1918 mm
Width	680 mm
Depth	910 mm
Height when tilted	2123 mm
Weight	250 kg

Further information about the set components can be found under the respective product.

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.