

# 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 family 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<br>CS Premium<br>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 <sup>2</sup> |
| 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](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.