# HPA-O 13.2 Plus HC 400 + HSBC 200

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 207963

Efficient heating technology and a high level of convenience in a single set

This set offers you impressive efficiency for heating, cooling and hot water in your home. The exceptionally quiet air source heat pump for outdoors and the matching integral cylinder for indoors can be used in both new and existing buildings – regardless of their modernisation status. The heat pump achieves an energy efficiency class of A+++. Underfloor heating is just as efficient for heating in winter as it is for cooling in summer. Thanks to the integral cylinder, you also have wonderful hot water convenience at all times.

Space saving and flexible siting

This set is impressively flexible when it comes to a suitable installation location. The air source heat pump can be installed on a flat roof, on an external wall or simply on the ground. Thanks to its exceptionally quiet operation, you can choose the installation location with even more flexibility. The combination of hot water and buffer cylinder in just one appliance makes this integral cylinder particularly space saving. With the appropriate accessories, you can also control your preferred temperature with ease – simply via the app. In no time at all, you can enjoy comfortable temperatures that let you relax completely.

**HPA-O 05.2 Plus HC 230 + HSBC 200**
Product-No.: 208560

**HPA-O 07.2 Plus HC 230 + HSBC 200**
Product-No.: 207962

**HPA-O 10.2 Plus HC 230 + HSBC 200**
Product-No.: 208561

**HPA-O 10.2 Plus HC 400 + HSBC 200**
Product-No.: 207961

## The main features

- Set comprising outdoor air source heat pump and integral cylinder with 168 litre capacity for heating, cooling and hot water
- High flow temperatures all year round for first rate hot water convenience and universal use regardless of the heat distribution system
- Space saving thanks to integration of hot water and buffer cylinder in just one appliance
- Impressive efficiency and exceptionally quiet operation even at high output
- Ideally suited for new build, modernisation or existing buildings
- Futureproof thanks to the use of the natural refrigerant R290

Convenient operation via app, even when out and about (additional components required)

Connection of two heating circuits possible

Optimisations can be carried out remotely by the qualified contractor at any time

## Set-Components 1

| Type | HPA-O 05.2 Plus HC 230 | HPA-O 07.2 Plus HC 230 | HPA-O 10.2 Plus HC 230 |
|---|---|---|---|
| Product set | HPA-O 05.2 Plus HC 230 + HSBC 200 | HPA-O 07.2 Plus HC 230 + HSBC 200 | HPA-O 10.2 Plus HC 230 + HSBC 200 |

## 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) | 5.35 | 5.09 | 4.96 |
| SCOP 55 °C (EN 14825) | 4.07 | 4.02 | 3.99 |
| Heating output at A7/W35 (EN 14511) | 2.77 kW | 3.05 kW | 4.32 kW |
| Heating output at A2/W35 (EN 14511) | 3.14 kW | 3.29 kW | 4.09 kW |
| Heating output at A-7/W35 (EN 14511) | 5.22 kW | 7.09 kW | 10.07 kW |
| Max. cooling capacity at A35/W7 | 4.50 kW | 6.51 kW | 9.33 kW |
| Cooling capacity at A35/W18, partial load (EN 14511) | 3.15 kW | 3.15 kW | 4.29 kW |
| Max. cooling capacity at A35/W18 | 4.96 kW | 6.98 kW | 10.51 kW |
| COP at A7/W35 (EN 14511) | 5.48 | 5.50 | 5.40 |
| COP at A2/W35 (EN 14511) | 4.72 | 4.57 | 4.54 |
| COP at A-7/W35 (EN 14511) | 3.47 | 3.25 | 3.15 |
| Energy efficiency ratio at A35/W7 max. | 3.29 | 2.97 | 2.76 |
| Energy efficiency ratio at A35/W18, partial load (EN 14511) | 5.29 | 5.29 | 5.46 |
| Energy efficiency ratio at A35/W18 max. | 4.87 | 4.28 | 4.01 |
| Sound power level (EN 12102) | 43 dB(A) | 43 dB(A) | 46 dB(A) |
| Min./max. application limits for heat source | -25 / 40 °C | -25 / 40 °C | -25 / 40 °C |

| | | | |
|---|---|---|---|
| Max. application limit on the heating side | 75 °C | 75 °C | 75 °C |
| Height | 960 mm | 960 mm | 1144 mm |
| Width | 1170 mm | 1170 mm | 1170 mm |
| Depth | 727 mm | 727 mm | 727 mm |
| Weight | 141 kg | 142 kg | 166 kg |
| Rated voltage, compressor | 230 V | 230 V | 230 V |
| Refrigerant | R290 | R290 | R290 |
| Colour | Dark grey RAL 7021 | Dark grey RAL 7021 | Dark grey RAL 7021 |

## Set-Components 1

| Type | HPA-O 10.2 Plus HC 400 | HPA-O 13.2 Plus HC 400 |
|---|---|---|
| Product set | HPA-O 10.2 Plus HC 400 + HSBC 200 | HPA-O 13.2 Plus HC 400 + HSBC 200 |

## Technical data

| | | |
|---|---|---|
| Energy efficiency class, heat pump W35 (A+++ → D) | A+++ | A+++ |
| Energy efficiency class, heat pump W55 (A+++ → D) | A+++ | A+++ |
| SCOP 35 °C (EN 14825) | 4.96 | 4.89 |
| SCOP 55 °C (EN 14825) | 3.99 | 4.01 |
| Heating output at A7/W35 (EN 14511) | 4.32 kW | 5.79 kW |
| Heating output at A2/W35 (EN 14511) | 4.09 kW | 4.82 kW |
| Heating output at A-7/W35 (EN 14511) | 10.07 kW | 13.15 kW |
| Max. cooling capacity at A35/W7 | 9.33 kW | 10.09 kW |
| Cooling capacity at A35/W18, partial load (EN 14511) | 4.29 kW | 5.81 kW |
| Max. cooling capacity at A35/W18 | 10.51 kW | 12.95 kW |
| COP at A7/W35 (EN 14511) | 5.40 | 5.41 |
| COP at A2/W35 (EN 14511) | 4.54 | 4.41 |
| COP at A-7/W35 (EN 14511) | 3.15 | 3.11 |
| Energy efficiency ratio at A35/W7 max. | 2.76 | 3.14 |
| Energy efficiency ratio at A35/W18, partial load (EN 14511) | 5.46 | 5.41 |
| Energy efficiency ratio at A35/W18 max. | 4.01 | 4.11 |
| Sound power level (EN 12102) | 46 dB(A) | 45 dB(A) |
| Min./max. application limits for heat source | -25 / 40 °C | -25 / 40 °C |

| | | |
|---|---|---|
| Max. application limit on the heating side | 75 °C | 75 °C |
| Height | 1144 mm | 1365 mm |
| Width | 1170 mm | 1170 mm |
| Depth | 727 mm | 727 mm |
| Weight | 166 kg | 203 kg |
| Rated voltage, compressor | 400 V | 400 V |
| Refrigerant | R290 | R290 |
| Colour | Dark grey RAL 7021 | Dark grey RAL 7021 |

## Set-Components 2

| Type | HSBC 200 | HSBC 200 | HSBC 200 |
|---|---|---|---|
| Product set | HPA-O 05.2 Plus<br>HC 230 + HSBC 200 | HPA-O 07.2 Plus<br>HC 230 + HSBC 200 | HPA-O 10.2 Plus<br>HC 230 + HSBC 200 |

## Technical data

| | | | |
|---|---|---|---|
| Energy efficiency class (A+ → F) | B | B | B |
| Standby energy consumption/24 h at 65 °C | 1.30 kWh | 1.30 kWh | 1.30 kWh |
| Nominal capacity, DHW cylinder | 168 l | 168 l | 168 l |
| Nominal capacity, buffer cylinder | 100 l | 100 l | 100 l |
| Surface area, heat exchanger | 3.30 m² | 3.30 m² | 3.30 m² |
| Capacity, heat exchanger | 21 l | 21 l | 21 l |
| Height | 1922 mm | 1922 mm | 1922 mm |
| Width | 680 mm | 680 mm | 680 mm |
| Depth | 871 mm | 871 mm | 871 mm |
| Height when tilted | 2107 mm | 2107 mm | 2107 mm |
| Weight | 203 kg | 203 kg | 203 kg |

## Set-Components 2

| Type | HSBC 200 | HSBC 200 |
|---|---|---|
| Product set | HPA-O 10.2 Plus<br>HC 400 + HSBC 200 | HPA-O 13.2 Plus<br>HC 400 + HSBC 200 |

## Technical data

| | | |
|---|---|---|
| Energy efficiency class (A+ → F) | B | B |
| Standby energy consumption/24 h at 65 °C | 1.30 kWh | 1.30 kWh |
| Nominal capacity, DHW cylinder | 168 l | 168 l |
| Nominal capacity, buffer cylinder | 100 l | 100 l |
| Surface area, heat exchanger | 3.30 m² | 3.30 m² |
| Capacity, heat exchanger | 21 l | 21 l |
| Height | 1922 mm | 1922 mm |
| Width | 680 mm | 680 mm |
| Depth | 871 mm | 871 mm |
| Height when tilted | 2107 mm | 2107 mm |
| Weight | 203 kg | 203 kg |

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