

HPA-O 07.2 Trend HC 230 + HSBC 300

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 208562

Efficiency and convenience in a single set

Efficient and highly convenient: this set consisting of an air source heat pump installed outdoors and a generously dimensioned integral cylinder offers you all the options for heating, cooling and hot water. It doesn't matter whether you live in an older building or a well-insulated new build. Even at the lowest outside temperatures, this combination provides comfortable and reliable heating and hot water for unbeatable convenience throughout the house. In summer, your home can even be cooled down via your underfloor heating with the integral cooling function. Perfectly tuned – for high efficiency all year round without having to compromise on first class convenience.

Highly convenient, needing less space – simply a great combination

This set is equally versatile in use as it is flexible in siting. By integrating the hot water cylinder and buffer cylinder in just one appliance, the integral cylinder takes up just half the installation space compared to individual appliances. The extremely quiet heat pump also increases the installation options: thanks to suitable accessories, it can be installed on your flat roof, outside on the house wall or simply on the floor. You will also find flexibility in the operation of your system. You can easily control your preferred temperature via the app on your smartphone.

The main features

Set comprising outdoor air source heat pump and integral cylinder with 270 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

High hot water convenience thanks to generous sizing

Impressive efficiency and 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



**HPA-O 10.2 Trend HC
230 + HSBC 300**

Product-No.: 207964



**HPA-O 13.2 Trend HC
230 + HSBC 300**

Product-No.: 208563



**HPA-O 13.2 Trend HC
400 + HSBC 300**

Product-No.: 207965

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 07.2 Trend HC 230	HPA-O 10.2 Trend HC 230	HPA-O 13.2 Trend HC 230
Product set	HPA-O 07.2 Trend HC 230 + HSBC 300	HPA-O 10.2 Trend HC 230 + HSBC 300	HPA-O 13.2 Trend HC 230 + HSBC 300

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)	4.67	4.59	4.65
SCOP 55 °C (EN 14825)	3.83	3.79	3.85
Heating output at A7/W35 (EN 14511)	2.91 kW	4.26 kW	5.56 kW
Heating output at A2/W35 (EN 14511)	4.24 kW	5.87 kW	4.09 kW
Heating output at A-7/W35 (EN 14511)	6.92 kW	9.49 kW	12.47 kW
Max. cooling capacity at A35/W7	6.04 kW	8.27 kW	9.56 kW
Cooling capacity at A35/W18, partial load (EN 14511)	3.35 kW	3.96 kW	4.29 kW
Max. cooling capacity at A35/W18	6.66 kW	8.94 kW	11.49 kW
COP at A7/W35 (EN 14511)	5.44	5.40	5.36
COP at A2/W35 (EN 14511)	4.02	3.96	4.54
COP at A-7/W35 (EN 14511)	2.84	2.80	2.75
Energy efficiency ratio at A35/W7 max.	2.80	2.52	2.70
Energy efficiency ratio at A35/W18, partial load (EN 14511)	5.18	5.24	5.45
Energy efficiency ratio at A35/W18 max.	3.70	3.65	3.61
Sound power level (EN 12102)	44 dB(A)	46 dB(A)	49 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	149 kg	150 kg	176 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 13.2
Trend HC 400**

Product set

HPA-O 13.2 Trend
HC 400 + HSBC 300

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)	4.65
SCOP 55 °C (EN 14825)	3.85
Heating output at A7/W35 (EN 14511)	5.56 kW
Heating output at A2/W35 (EN 14511)	7.45 kW
Heating output at A-7/W35 (EN 14511)	12.47 kW
Max. cooling capacity at A35/W7	9.56 kW
Cooling capacity at A35/W18, partial load (EN 14511)	4.99 kW
Max. cooling capacity at A35/W18	11.49 kW
COP at A7/W35 (EN 14511)	5.36
COP at A2/W35 (EN 14511)	3.91
COP at A-7/W35 (EN 14511)	2.75
Energy efficiency ratio at A35/W7 max.	2.70
Energy efficiency ratio at A35/W18, partial load (EN 14511)	4.81
Energy efficiency ratio at A35/W18 max.	3.60
Sound power level (EN 12102)	49 dB(A)
Min./max. application limits for heat source	-25 / 40 °C

Max. application limit on the heating side	75 °C
Height	1144 mm
Width	1170 mm
Depth	727 mm
Weight	176 kg
Rated voltage, compressor	400 V
Refrigerant	R290
Colour	Dark grey RAL 7021

Set-Components 2



Type	HSBC 300 cool	HSBC 300 cool	HSBC 300 cool
Product set	HPA-O 07.2 Trend HC 230 + HSBC 300	HPA-O 10.2 Trend HC 230 + HSBC 300	HPA-O 13.2 Trend HC 230 + HSBC 300

Technical data

Energy efficiency class (A+ → F)	B	B	B
Standby energy consumption/24 h at 65 °C	1.50 kWh	1.50 kWh	1.50 kWh
Nominal capacity, DHW cylinder	270 l	270 l	270 l
Nominal capacity, buffer cylinder	100 l	100 l	100 l
Surface area, heat exchanger	3.20 m ²	3.20 m ²	3.20 m ²
Capacity, heat exchanger	21 l	21 l	21 l
Height	1918 mm	1918 mm	1918 mm
Width	686 mm	686 mm	686 mm
Depth	926 mm	926 mm	926 mm
Height when tilted	2123 mm	2123 mm	2123 mm
Weight	250 kg	250 kg	250 kg

Set-Components **2**

Type	HSBC 300 cool
Product set	HPA-O 13.2 Trend HC 400 + HSBC 300

Technical data

Energy efficiency class (A+ → F)	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	686 mm
Depth	926 mm
Height when tilted	2123 mm
Weight	250 kg

Set-Components **3**



Type	AHP-BH 8.8	AHP-BH 8.8	AHP-BH 8.8
Product set	HPA-O 07.2 Trend HC 230 + HSBC 300	HPA-O 10.2 Trend HC 230 + HSBC 300	HPA-O 13.2 Trend HC 230 + HSBC 300

Technical data

Phases, emergency/auxiliary heater	3 x B 16 A	3 x B 16 A	3 x B 16 A
Emergency/auxiliary heater fuse protection	3/N/PE	3/N/PE	3/N/PE
Frequency	50 Hz	50 Hz	50 Hz
Max. permissible pressure	0.3 MPa	0.3 MPa	0.3 MPa
Min. application limit on heating side	18 °C	18 °C	18 °C

Set-Components **3****Type****AHP-BH 8.8****Product set**HPA-O 13.2 Trend
HC 400 + HSBC 300**Technical data**

Phases, emergency/auxiliary heater	3 x B 16 A
Emergency/auxiliary heater fuse protection	3/N/PE
Frequency	50 Hz
Max. permissible pressure	0.3 MPa
Min. application limit on heating side	18 °C

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.