

HPA-O 10.2 W Plus HC 400 + HSBC 300

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 208399

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

This set offers you impressive convenience when it comes to heating, cooling and hot water in your home. The exceptionally quiet air source heat pump for outdoors and the generously sized 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 at all times, while enjoying the highest standards of convenience.

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.

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 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



**HPA-O 05.2 W Plus HC
230 + HSBC 300**

Product-No.: 208396



**HPA-O 07.2 W Plus HC
230 + HSBC 300**

Product-No.: 208397



**HPA-O 10.2 W Plus HC
230 + HSBC 300**

Product-No.: 208398



**HPA-O 13.2 W Plus HC
400 + HSBC 300**

Product-No.: 208400

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

Type	HPA-O 05.2 W Plus HC 230	HPA-O 07.2 W Plus HC 230	HPA-O 10.2 W Plus HC 230
Product set	HPA-O 05.2 W Plus HC 230 + HSBC 300	HPA-O 07.2 W Plus HC 230 + HSBC 300	HPA-O 10.2 W Plus 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)	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	144 kg	145 kg	166 kg
Rated voltage, compressor	230 V	230 V	230 V
Refrigerant	R290	R290	R290
Colour	Signal white RAL 9003	Signal white RAL 9003	Signal white RAL 9003

Set-Components 1



Type	HPA-O 10.2 W Plus HC 400	HPA-O 13.2 W Plus HC 400
Product set	HPA-O 10.2 W Plus HC 400 + HSBC 300	HPA-O 13.2 W Plus HC 400 + HSBC 300

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	205 kg
Rated voltage, compressor	400 V	400 V
Refrigerant	R290	R290
Colour	Signal white RAL 9003	Signal white RAL 9003

Set-Components 2

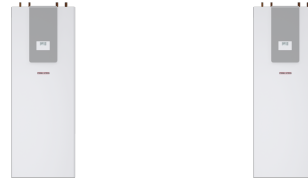


Type	HSBC 300 cool	HSBC 300 cool	HSBC 300 cool
Product set	HPA-O 05.2 W Plus HC 230 + HSBC 300	HPA-O 07.2 W Plus HC 230 + HSBC 300	HPA-O 10.2 W Plus HC 230 + HSBC 300

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	HSBC 300 cool
Product set	HPA-O 10.2 W Plus HC 400 + HSBC 300	HPA-O 13.2 W Plus HC 400 + HSBC 300

Technical data

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

Set-Components 3



Type

AHP-BH 8.8

AHP-BH 8.8

AHP-BH 8.8

Product set

HPA-O 05.2 W Plus
HC 230 + HSBC 300

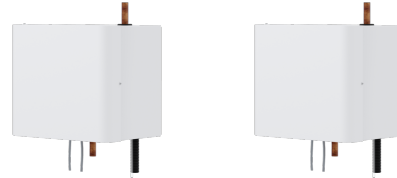
HPA-O 07.2 W Plus
HC 230 + HSBC 300

HPA-O 10.2 W Plus
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	AHP-BH 8.8
Product set	HPA-O 10.2 W Plus HC 400 + HSBC 300	HPA-O 13.2 W Plus HC 400 + HSBC 300

Technical data

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