

HPA-O 05.2 Plus HC 230

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 207429

Added efficiency and welcome peace and quiet

With outstanding efficiency and exceptionally quiet operation, this air source heat pump installed outdoors for heating, cooling and hot water is bound to impress. It achieves an energy efficiency class of A+++ in new build or modernisation. Your existing building can also be heated extremely efficiently, regardless of its modernisation status. And this is equally possible via classic radiators or underfloor heating. Even at the lowest outside temperatures, you can enjoy cosy warmth and unbeatable hot water convenience at all times. In summer, you also have the option of cooling your home via underfloor heating.

Simply flexible through and through

On your flat roof, outside on the house wall or simply on the ground – with the right accessories and thanks to its exceptionally quiet operation, you have all the options for installing your heat pump. And it can be controlled just as flexibly. A few degrees warmer or pleasantly cool – it's up to you. Because you can control your preferred temperature easily and conveniently with the right accessories via an app. A visual plus too: for an even more aesthetic appearance, the plinth, wall mounting bracket and even the feet can be clad in the appropriate design.

Convenience and cost savings for you

Thanks to natural refrigerant R290 and this specially designed heat pump, you can heat even more efficiently and in a more eco-friendly way to deliver benefits that pay off. Do you own a photovoltaic system or are you planning on installing one? It can also be seamlessly integrated to utilise self-generated electricity for even greater cost savings.

The main features

Impressively efficient air source heat pump installed outdoors for heating and cooling

Exceptionally quiet operation for flexible installation options even with restricted space



HPA-O 07.2 Plus HC 230

Product-No.: 207430



HPA-O 10.2 Plus HC 230

Product-No.: 207432



HPA-O 10.2 Plus HC 400

Product-No.: 207433



HPA-O 13.2 Plus HC 400

Product-No.: 207435

Universal use with classic radiators or underfloor heating possible

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)

Easy to integrate visually thanks to a choice of colours in anthracite or white



Type	HPA-O 05.2 Plus HC 230	HPA-O 07.2 Plus HC 230	HPA-O 10.2 Plus HC 230
Part no.	207429	207430	207432

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	Dark grey RAL 7021	Dark grey RAL 7021	Dark grey RAL 7021



Type

HPA-O 10.2
Plus HC 400

HPA-O 13.2
Plus HC 400

Part no.

207433

207435

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	Dark grey RAL 7021	Dark grey RAL 7021

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.

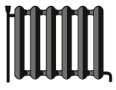


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HPA-O 05.2 Plus HC 230

STIEBEL ELTRON



55 °C

35 °C



A+++

A+++



- dB



43 dB

■ 5
■ 6
■ 6

kW

■ 5
■ 6
■ 5

kW



2019

811/2013

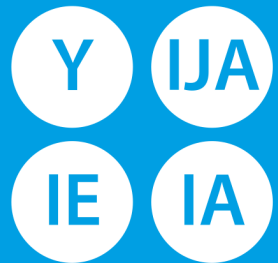
Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		HPA-O 05.2 Plus HC 230
		207429
Manufacturer		STIEBEL ELTRON
Space heating energy efficiency class under average climate conditions, medium-temperature applications (A+++ -> D)		A+++
Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)		A+++
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	6
Rated heating output under average climate conditions for low-temperature applications (P rated)	kW	6
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (η_s)	%	160
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	211
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2,976
Annual energy consumption under average climate conditions for low-temperature applications (QHE)	kWh/a	2,285
Sound power level, indoor		-
Option for operation only at off-peak times		-
Special measures	Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung	
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	5
Rated heating output under colder climate conditions for low-temperature applications (P rated)	kW	5
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	6
Rated heating output under warmer climate conditions for low-temperature applications (P rated)	kW	5
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (η_s)	%	140
Seasonal space heating energy efficiency under colder climate conditions for low-temperature applications (η_s)	%	184
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (η_s)	%	188
Seasonal space heating energy efficiency under warmer climate conditions for low-temperature applications (η_s)	%	263
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3,436
Annual energy consumption under colder climate conditions for low-temperature applications (QHE)	kWh/a	2,835
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1,558
Annual energy consumption under warmer climate conditions for low-temperature applications (QHE)	kWh/a	1,101
Sound power level, outdoor	dB(A)	43



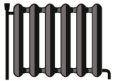
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HPA-O 05.2 Plus HC 230

STIEBEL ELTRON



A⁺⁺⁺

A⁺⁺⁺

A⁺⁺⁺

A⁺⁺

A⁺

A

B

C

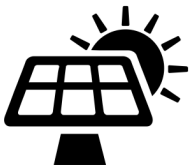
D

E

F

G

+



+



+



+



Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		HPA-O 05.2 Plus HC 230
		207429
Manufacturer		STIEBEL ELTRON
Seasonal space heating energy efficiency under average climate conditions for low-temperature applications (η_s)	%	211
Temperature control class		VI
Contribution of temperature control to space heating energy efficiency	%	4
Space heating energy efficiency of package under average climate conditions	%	164
Space heating energy efficiency of package under colder climate conditions	%	144
Space heating energy efficiency of package under warmer climate conditions	%	192
Value of differential between space heating energy efficiency under average climate conditions and that under colder climate conditions	%	20
Value of differential between space heating energy efficiency under warmer climate conditions and that under average climate conditions	%	28
Energy efficiency class, space heating under average climate conditions, low-temperature applications (A+++ -> D)		A+++
Space heating energy efficiency class of package under average climate conditions (A+++ -> D)		A+++

Product datasheet: Space heater to Regulation (EU) No 811/2013 (S.I. 2019 No. 539 / Programme 2)

		HPA-O 05.2 Plus HC 230
		207429
Manufacturer		STIEBEL ELTRON
Heat source		Luft
Low temperature heat pump		-
With auxiliary heater		-
Combination heater with heat pump		-
Rated heating output under colder climate conditions for medium-temperature applications (P rated)	kW	5
Rated heating output under average climate conditions for medium-temperature applications (P rated)	kW	6
Rated heating output under warmer climate conditions for medium-temperature applications (P rated)	kW	6
Tj = -7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3.0
Tj = -7 °C heating output, partial load range under average climate conditions (Pdh)	kW	5.2
Tj = 2 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2.3
Tj = 2 °C heating output, partial load range under average climate conditions (Pdh)	kW	3.2
Tj = 2 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	5.6
Tj = 7 °C heating output, partial load range under colder climate conditions (Pdh)	kW	2.8
Tj = 7 °C heating output, partial load range under average climate conditions (Pdh)	kW	2.8
Tj = 7 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3.6
Tj = 12 °C heating output, partial load range under colder climate conditions (Pdh)	kW	3.3
Tj = 12 °C heating output, partial load range under average climate conditions (Pdh)	kW	3.2
Tj = 12 °C heating output, partial load range under warmer climate conditions (Pdh)	kW	3.2
Tj = dual mode temperature under colder climate conditions (Pdh)	kW	4.1
Tj = dual mode temperature under average climate conditions (Pdh)	kW	5.2
Tj = dual mode temperature under warmer climate conditions (Pdh)	kW	5.6
Tj = operating temperature limit under colder climate conditions (Pdh)	kW	3.0
Tj = operating temperature limit under average climate conditions (Pdh)	kW	4.6
Tj = operating temperature limit under warmer climate conditions (Pdh)	kW	5.6
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (Pdh)	kW	4.1
Dual mode temperature under colder climate conditions (Tbiv)	Grad C	-15
Dual mode temperature under average climate conditions (Tbiv)	Grad C	-7
Dual mode temperature under warmer climate conditions (Tbiv)	Grad C	2
Seasonal space heating energy efficiency under colder climate conditions for medium-temperature applications (ηs)	%	140
Seasonal space heating energy efficiency under average climate conditions for medium-temperature applications (ηs)	%	160
Seasonal space heating energy efficiency under warmer climate conditions for medium-temperature applications (ηs)	%	188
Tj = -7 °C COP, partial load range under colder climate conditions (COPd)		3.10
Tj = -7 °C COP, partial load range under average climate conditions (COPd)		2.76
Tj = 2 °C COP, partial load range under colder climate conditions (COPd)		4.21
Tj = 2 °C COP, partial load range under average climate conditions (COPd)		4.06
Tj = 2 °C COP, partial load range under warmer climate conditions (COPd)		2.92
Tj = 7 °C COP, partial load range under colder climate conditions (COPd)		5.33
Tj = 7 °C COP, partial load range under average climate conditions (COPd)		5.11

Tj = 7 °C COP, partial load range under warmer climate conditions (COPd)		4.24
Tj = 12 °C COP, partial load range under colder climate conditions (COPd)		6.68
Tj = 12 °C COP, partial load range under average climate conditions (COPd)		6.49
Tj = 12 °C COP, partial load range under warmer climate conditions (COPd)		5.98
Tj = dual mode temperature under colder climate conditions (COPd)		2.44
Tj = dual mode temperature under average climate conditions (COPd)		2.76
Tj = dual mode temperature under warmer climate conditions (COPd)		2.92
Tj = operating temperature limit under colder climate conditions (COPd)		1.83
Tj = operating temperature limit under average climate conditions (COPd)		2.46
Tj = operating temperature limit under warmer climate conditions (COPd)		2.92
For air source heat pumps: Tj = -15 °C (if TOL < -20 °C) (COPd)		2.44
Operating temperature limit under colder climate conditions (TOL)	Grad C	-22
Operating temperature limit under average climate conditions (TOL)	Grad C	-10
Operating temperature limit under warmer climate conditions (TOL)	Grad C	2
Operating temperature limit of heating water under colder climate conditions (WTOL)	Grad C	75
Operating temperature limit of heating water under average climate conditions (WTOL)	Grad C	75
Operating temperature limit of heating water under warmer climate conditions (WTOL)	Grad C	75
Power consumption, off-mode (Poff)	Watt	9
Power consumption, thermostat off-mode (PTO)	Watt	18
Power consumption, standby state (PSB)	Watt	9
Power consumption, operating state, with crankcase heating (PCK)	Watt	0
Rated heating output of auxiliary heater under colder climate conditions (PSUP)	kW	2.0
Rated heating output of auxiliary heater under average climate conditions (PSUP)	kW	1.2
Rated heating output of auxiliary heater under warmer climate conditions (PSUP)	kW	0.0
Type of energy supply, auxiliary heater		elektrisch
Output control		veränderlich
Sound power level, outdoor	dB(A)	43
Sound power level, indoor		-
Annual energy consumption under colder climate conditions for medium-temperature applications (QHE)	kWh/a	3,436
Annual energy consumption under average climate conditions for medium-temperature applications (QHE)	kWh/a	2,976
Annual energy consumption under warmer climate conditions for medium-temperature applications (QHE)	kWh/a	1,558
Flow rate on heat source side	m3/h	2,740
Special measures	Alle beim Zusammenbau, der Installation oder Wartung des Raumheizgerätes zu treffenden besonderen Vorkehrungen: Siehe Installation- und Montageanweisung	

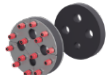
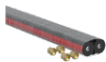
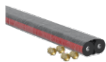
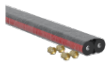
HPA-0 05.2 Plus HC 230

AIR SOURCE HEAT PUMPS

PRODUCT-NO.: 207429

Recommended accessories

Article	Part no.	Type	Description
	207733	<u>AGC-CB.1</u>	Floor bracket casing set (anthracite)
	207894	<u>AHP-BS.1</u>	Ball siphon
	207735	<u>AHP-CB.1</u>	Casing for the feet of a heat pump
	207723	<u>AHP-CS.1</u>	Crossover lifting straps
	207738	<u>AHP-DS 0.8</u>	Sound attenuation base
	207731	<u>AHP-DT.1</u>	Condensate pan
	207724	<u>AHP-FB 25-0.4</u>	Downward connection set
	207732	<u>AHP-GC.1</u>	Floor bracket
	208668	<u>AHP-PS DN 25</u>	Sludge separator
	207711	<u>AHP-SB.1</u>	Cover

	207737	<u>AHP-SC.1</u>	T-support
	207727	<u>AHP-TB 420</u>	Telescopic duct, dark grey
	207728	<u>AHP-TB 710</u>	Telescopic duct, dark grey
	207713	<u>AHP-WB.1</u>	Wind protection of the heat pump for installation in open spaces
	207715	<u>AHP-WO.1</u>	Wall outlet above ground
	207716	<u>AHP-WU.1</u>	Wall outlet
	207717	<u>AHP-WU.2</u>	Wall outlet
	207721	<u>AHS-SI 200</u>	Sealing insert for combination with the hose assemblies
	207720	<u>AWU-HS 10</u>	Hose assembly
	207718	<u>AWU-HS 2.5</u>	Hose assembly
	207719	<u>AWU-HS 5</u>	Hose assembly

	232805	<u>HM Trend</u>	Hydraulic module
	233826	<u>HMS Trend</u>	Hydraulic module
	206780	<u>ISG Connect</u>	Internet Service Gateway with SG Ready and §14a Compatibility
	208702	<u>WK 3</u>	Wall mounting bracket

DHW cylinder

Article	Part no.	Type	Description
	233510	HSBC 200	Integral cylinder
	203801	<u>HSBC 300 cool</u>	Integral cylinder
	229980	<u>SBS 601 W</u>	Instantaneous water cylinder
	204784	<u>STD 315-1 Plus</u>	DHW cylinder

Buffer cylinder

Article	Part no.	Type	Description
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205295

SBP 200 Plus cool

Buffer cylinder suitable for cooling operation

Contact information

You have questions? We appreciate to help you:

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Installation information

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