

Material composition

www.stiebel-eltron.co.uk/toolbox/materialtool

Building project

Stiebel Eltron UK Ltd
Stadium Road
CH623RA Bromborough

Customer

Stiebel Eltron UK Ltd
12 Stadium Court
CH62 3RP Bromborough
07894483833
Customer number 1148689

Table of Contents

Page 3	Your material list
Page 5	Dimension drawings
Page 7	Article details
Page 13	Energy label
Page 15	Legal notice

Questions or comments?

Your contact person at Stiebel Eltron will gladly assist you if you have any question about quotation, costing or anything about your project.



Stuart Gillespie












Planner

+44-151-346-2309

stuart.gillespie@stiebel-eltron.co.uk

Your material list

Heat pump system

1		1 x Air source heat pump WPL 25 ACS Order number 236643
2		1 x Connection set AS-WP 2 Order number 233623
3		1 x Heat pump manager WPM, control accessory Order number 234727
4		1 x Internet Service Gateway ISG web, control unit accessory Order number 229336
5		2 x Remote control FET, control accessory Order number 234723
6		1 x Buffer cylinder SBP 100 Plus Order number 206279
7		2 x Circulation pump UP 25/7.5 PCV Order number 201620
8		1 x Pump assembly WPKI-HK DN 25 Order number 206627
9		1 x Pump assembly WPKI-HKM 230 DN 25 Order number 206631
10		1 x Pump assembly WPKI-HKV 2 Order number 206638
11		1 x DHW cylinder SBB 302 WP (GB) Set Order number 228945

Heat pump system

12

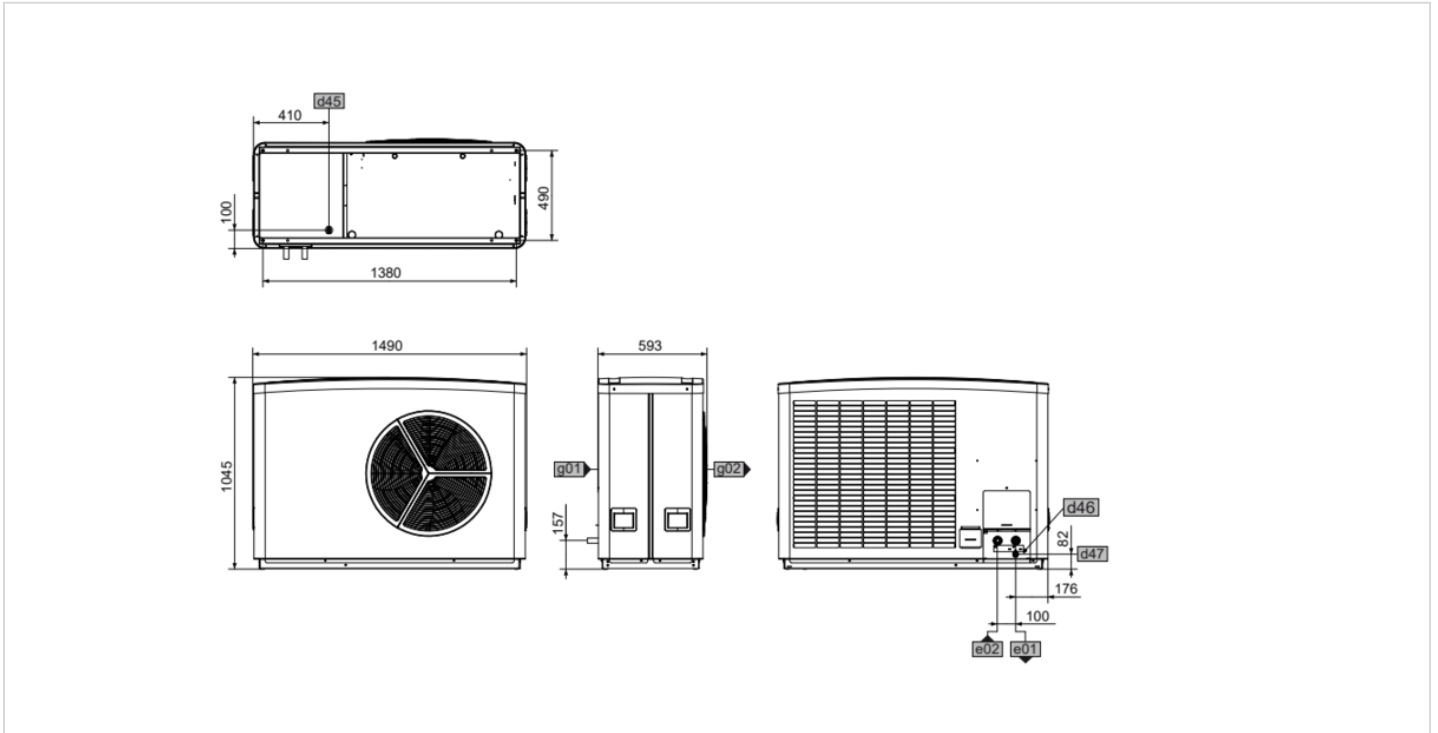


1 x DHW circulation pump UPZ with control thermostat

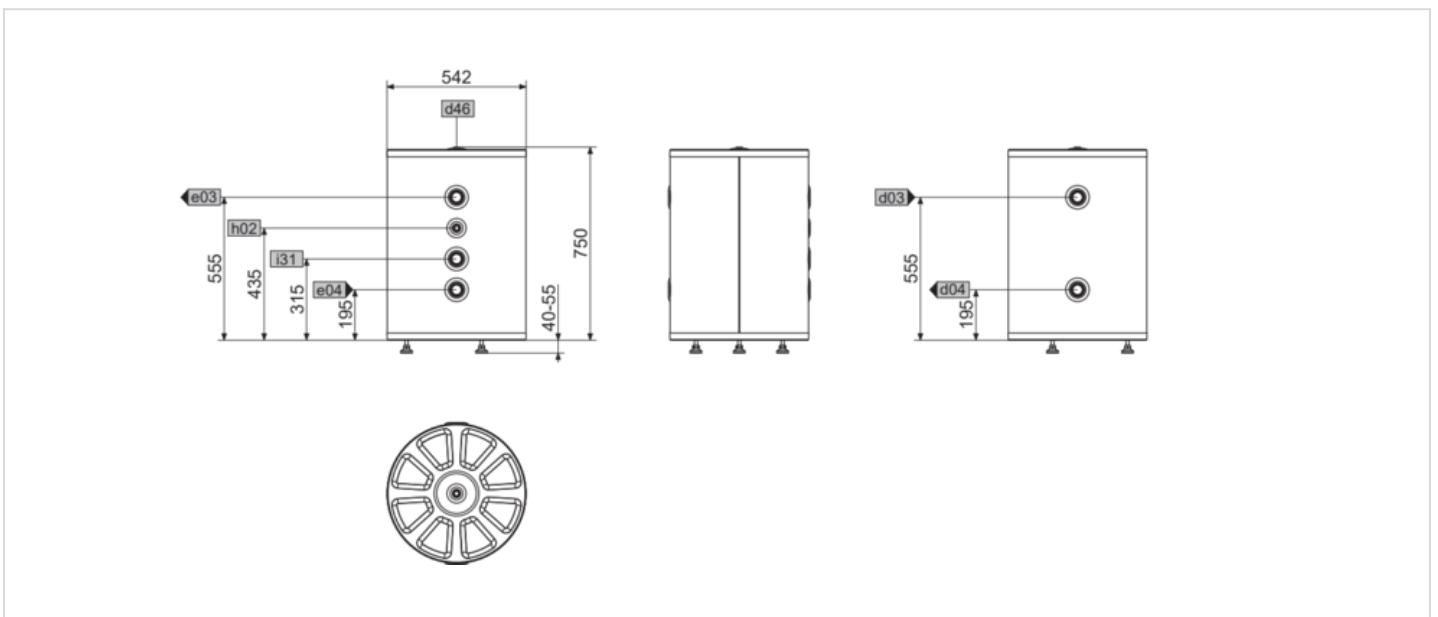
Order number 233719

Dimension drawings

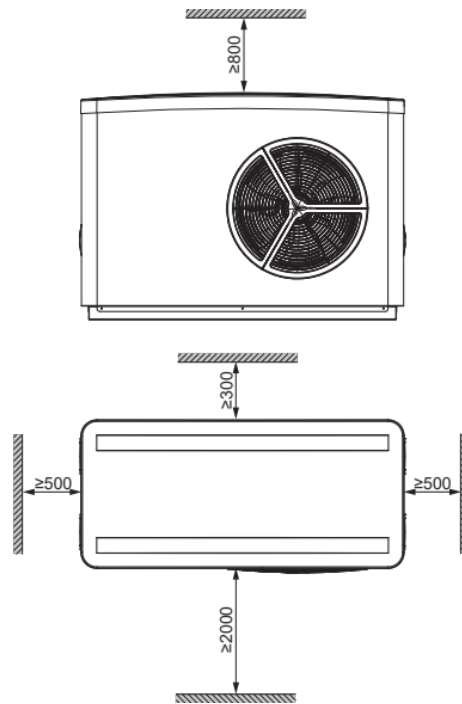
Dimensional drawings Air source heat pump WPL 25 ACS



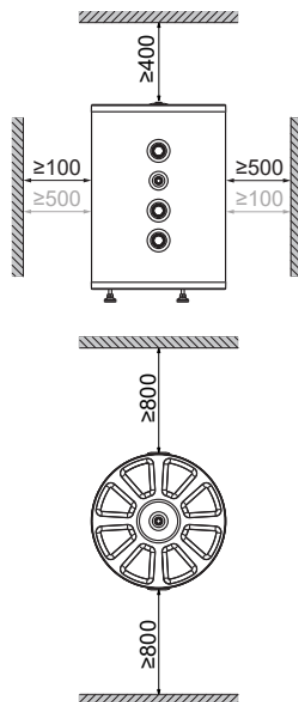
Dimensional drawings Buffer cylinder SBP 100 Plus



Minimum distance Air source heat pump WPL 25 ACS



Minimum distance Buffer cylinder SBP 100 Plus



Article details

Air source heat pump WPL 25 ACS

Product Area Heat pump



Position	1
Name	WPL 25 ACS
Order number	236643

[Product data](#)

Application • This air source heat pump with output-dependent control and inverter technology is installed outdoors. The compact mono block design is suitable for heating and DHW operation as well as for efficient cooling by means of circuit reversal. • Can be used in modernisation projects as flow temperatures of up to 65 °C are available all year round for room heating and DHW heating.

Convenience features • Both the encapsulated refrigerant circuit and the acoustically isolated compressor make for quiet operation. The modulating fan and the wide gaps between the evaporator fins, which reduce air resistance, also contribute to the low sound power level. • The combined enhanced vapour injection/enhanced saturated vapour injection cools the scroll compressor at low outside temperatures and achieves a higher heating output/flow temperature. When combined with the Internet Service Gateway, the integral heat pump manager allows the system to be controlled in the home network or from a mobile device. With integral heat and electricity metering via refrigerant circuit data. • The electric emergency/auxiliary heater enables mono energetic operation. • The refrigerant circuit is hermetically sealed, tested for leaks at the factory and filled with safety refrigerant R410A. • The enamelled, corrosion-protected metal casing is made from hot-dip galvanised, powder coated sheet steel. Fan grille, recessed grips and cover are made from weatherproof and UV-resistant plastic.

Efficiency • The waste heat from the inverter is used to raise the return temperature. In addition, the overall efficiency of the system is increased by on-demand defrosting through circuit reversal and heating of the condensate pan by the refrigerant circuit. • The hydrophilic coating on the fan nozzle prevents ice from forming, meaning that no electric heating is required.

Installation • The integral anti-vibration mount enables the heat pump to be connected directly to the heating system. • The pivoting electrical connection panel makes installation easier. • The condensate pan can be easily reached through a cleaning aperture on the back of the casing.

Connection set AS-WP 2

Product Area Heat pump



Position	2
Name	AS-WP 2
Order number	233623

[Product data](#)

Description • The connection set for supply lines from the ground is supplied with a painted cover that protects against the elements.

Heat pump manager WPM, control accessory

Product Area Heat pump



Position	3
Name	WPM
Order number	234727



[Product data](#)

Application • This WPM heat pump manager is the main controller in the system. One direct heating circuit and two heating circuits with mixer can be controlled via the integral programming unit. Two heat pumps can also be operated in a cascade.

- In combination with the ISG Internet Service Gateway, the heat pump can be integrated into a home network or controlled from mobile devices.
- Direct connection of high efficiency circulation pumps is possible via relay outputs or PWM outputs.
- The WPM also provides a fault contact for external pick-up of system faults.
- A drip-proof wall mounted enclosure with large installation area provides sufficient space for the electrical connections and other components such as a top-hat rail relay. The well designed cable layout ensures easy connection.

Internet Service Gateway ISG web, control unit accessory

Product Area Heat pump



Position	4
Name	ISG web
Order number	229336



[Product data](#)

Application • The ISG Internet Service Gateway connects the heat pump to the home network and enables the appliance to be operated using a browser.

- Once enabled, appliance data is transferred to the Stiebel Eltron Internet Service Portal.
- The ISG plus is a required accessory for use of the SG Ready functions of the WPM heat pump manager. The ISG can be integrated into an existing building management system via the Modbus TCP/IP data interface.

Remote control FET, control accessory

Product Area Heat pump



Position	5
Name	FET
Order number	234723

[Product data](#)

Description • The FET digital remote control can be used to conveniently control a heating zone. • The remote control measures the relative humidity and room temperature.

Buffer cylinder SBP 100 Plus

Product Area Heat pump



Position	6
Name	SBP 100 Plus
Order number	206279

[Product data](#)

Application • This buffer cylinder provides hydraulic separation between the heat pump flow and heating circuit flow. • The steel cylinder with directly applied foam insulation is equipped with a protective cover and connections at the side for ventilation and draining. • Reduced mixing due to matched inlet and outlet technology.

Circulation pump UP 25/7.5 PCV

Product Area Heat pump



Position	7
Name	UP 25/7.5 PCV
Order number	201620

[Product data](#)

Description • The heating circuit pump is particularly energy efficient, as electronic output control is integrated for pumping the heat transfer medium, as is variable differential control.

Pump assembly WPKI-HK DN 25

Product Area Heat pump



Position	8
Name	WPKI-HK DN 25
Order number	206627



[Product data](#)

Description • The pump assembly is suitable for one heating circuit without mixer. The standard delivery includes the integral high efficiency heating circuit pump, shut-off valves with thermometer and gravity brake, including opening mechanism and the EPP complete insulation set with wall mounting bracket. • The pump assembly can be installed either directly on the buffer cylinder or on the wall.

Pump assembly WPKI-HKM 230 DN 25

Product Area Heat pump



Position	9
Name	WPKI-HKM 230 DN 25
Order number	206631



[Product data](#)

Description • Pump assembly for one heating circuit with mixer. • Included in the standard delivery are the integral high efficiency pump, a 24 V mixer motor, shut-off valves and thermometers for the flow and return. Also included in the standard delivery are a gravity brake and the EPP complete insulation set with wall mounting bracket. • The pump assembly can be installed either on the buffer cylinder or on the wall.

Pump assembly WPKI-HKV 2

Product Area Heat pump



Position	10
Name	WPKI-HKV 2
Order number	206638



[Product data](#)

Description • The manifold is suitable for the fast and visually high quality installation of up to two heating circuit pump assemblies. • The standard delivery includes the high grade EPP insulation and all required fittings for wall mounting the manifold.

DHW cylinder SBB 302 WP (GB) Set

Product Area Heat pump



Position	11
Name	SBB 302 WP (GB) Set
Order number	228945



[Product data](#)

Application • This DHW cylinder is suitable for heat pump operation in family houses as well as apartment buildings, depending on the nominal capacity and the indirect coil surface area.

Convenience features • The enamelled steel cylinder with directly applied foam insulation is equipped with an inspection flange, T&P valve and a protective anode for additional corrosion protection. • An internal indirect coil for connecting the heat pump is integrated • A plug-in dial thermometer is included in the standard delivery. • The cylinder casing consists of a plastic outer jacket and a cylinder cover. Both can be removed during installation if required.

DHW circulation pump UPZ with control thermostat

Product Area Heat pump



Position	12
Name	UPZ
Order number	233719

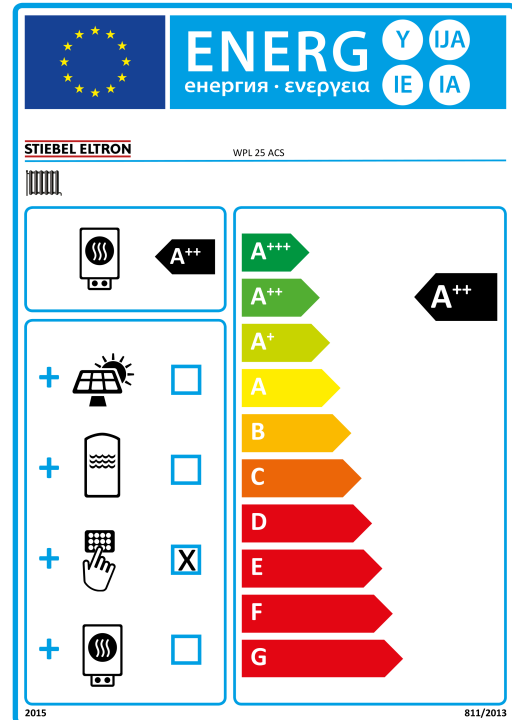
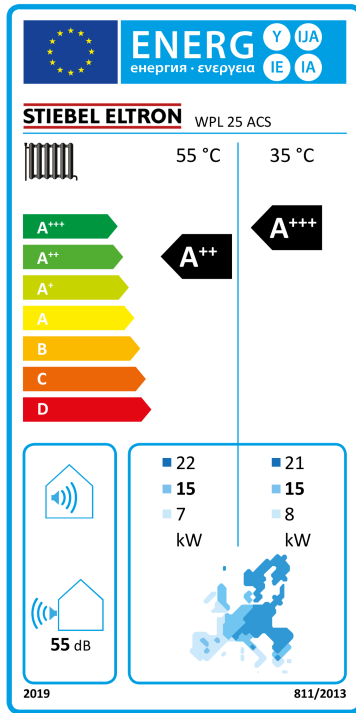


[Product data](#)

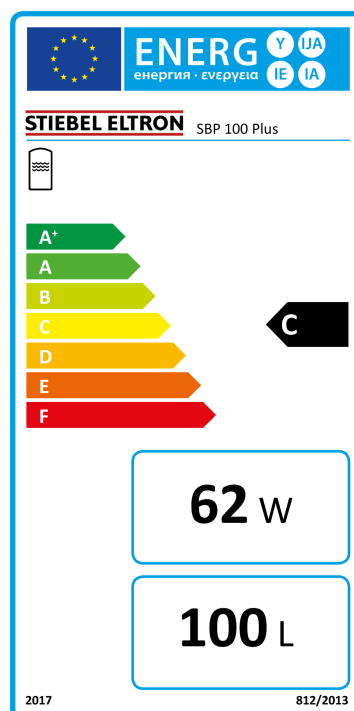
Application • DHW circulation pump with automatic ventilation mode, suitable for detached houses and apartment buildings.
 • The highly efficient DHW circulation pump can be controlled via the electronic control thermostat and/or the time switch.
 • The pump shutdown temperature can be adjusted by means of a rotary selector – this allows the pump runtime and the electronic energy demand for DHW provision to be reduced to a minimum. • Insulation shell, time switch and non-return valve are included in the standard delivery.

Energy label

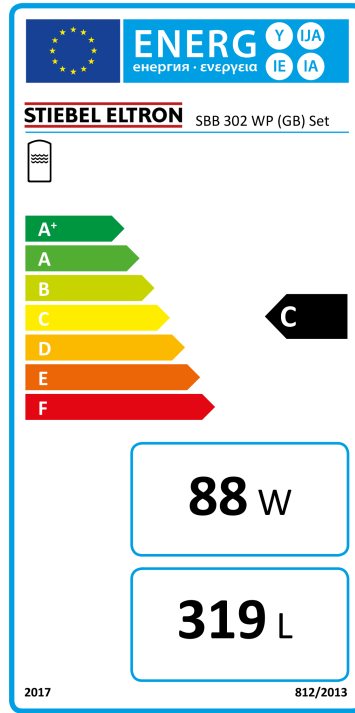
Energy label Air source heat pump WPL 25 ACS



Energy label Buffer cylinder SBP 100 Plus



Energy label DHW cylinder SBB 302 WP (GB) Set



Legal notice

Stiebel Eltron provides no warranty or guarantee that the data, values and information provided or the values and information determined with the aid of or on the basis of this information, values and data are complete, accurate, correct and up-to-date in every respect.

Stiebel Eltron reserves the right to make changes to the data, values and information provided at any time and without prior notice. Errors and changes are expressly reserved. None of the details, values and information provided or the values and details determined with the aid of or on the basis of these details, values and information are to be regarded as the basis for a financial decision or for any other purpose, but rather serve only as initial non-binding information and as an aid for initial orientation.

The liability of Stiebel Eltron for damages of any kind that may arise from the use or application of the information, values and details provided or the values and details determined with the aid of or on the basis of these details, values and information is excluded. This exclusion of liability shall not apply if the damage is attributable to intent or gross negligence on the part of Stiebel Eltron as well as in the event of injury to life, limb or health.

All prices are non-binding recommended prices communicated by STIEBEL ELTRON to wholesalers, specialist dealers and tradesmen excluding VAT. These are only intended for use by wholesalers, specialist dealers and tradesmen. The product and price overviews of the wholesalers are authoritative for the prices. The statutory VAT rate applicable at the time of performance shall apply. Product and price overviews in this document are not intended for the knowledge of consumers. The printed material enclosed with the units and the relevant regulations are the binding basis for the use and installation of STIEBEL ELTRON units.

Despite careful compilation, no guarantee can be given that the information contained in this printed material is free of errors. Statements about equipment and features are non-binding. The equipment features described in this printed matter do not constitute the agreed quality of our products. Individual equipment features may have been changed or even omitted in the meantime due to the continuous further development of our products. Please contact our technical advisor for information on the currently valid features. The illustrations are only examples of applications. The illustrations also include installation parts, accessories and special equipment that are not part of the standard scope of delivery. Reprints, including excerpts, only with the permission of the publisher.