

Material composition

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

Qualified contractor

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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.



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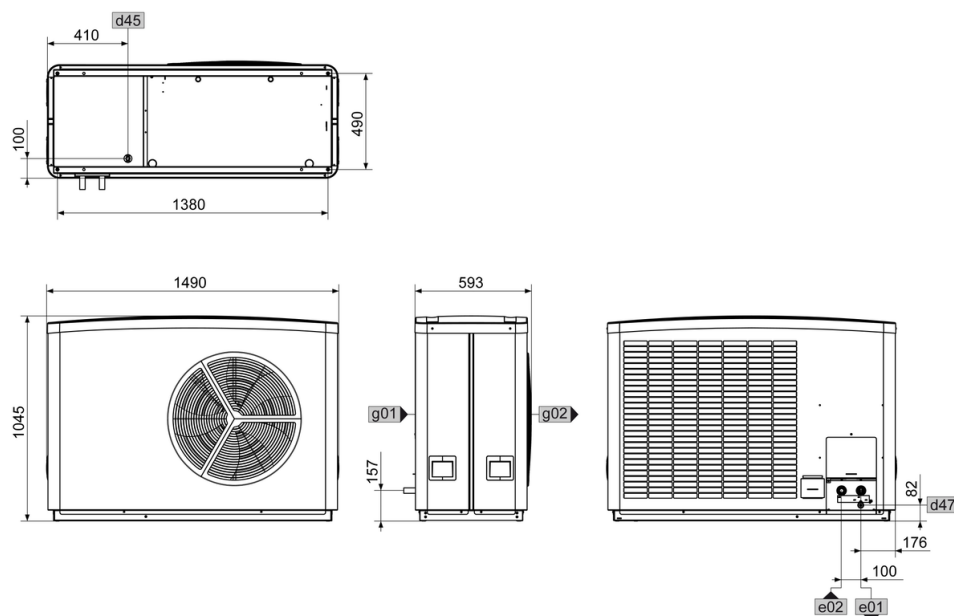
Your material list

Heat pump system

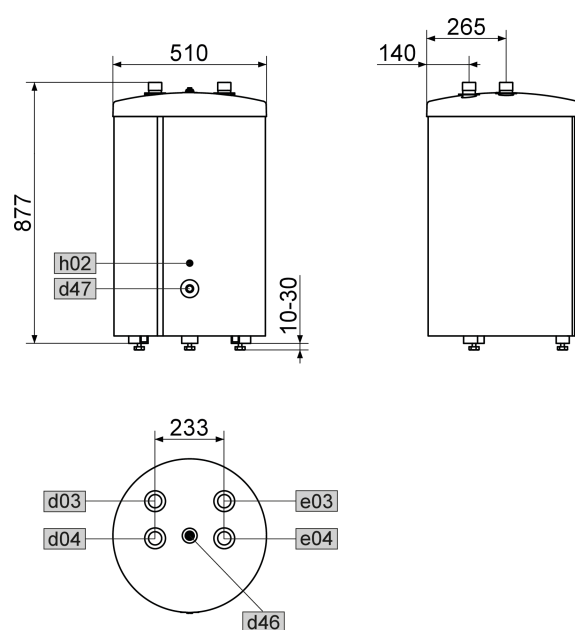
1		1 x AirlWater heat pump WPL 25 AS Article number 236642
2		1 x Buffer cylinder SBP 100 classic Article number 235200
3		1 x Warm water cylinder SBB 302 WP (GB) Set Article number 228945
4		1 x Heat pump manager WPM Article number 234727
5		2 x Circulation pump UP 25/7.5 PCV Article number 201620
6		1 x Internet-Service Gateway ISG web Article number 229336

Dimension drawings

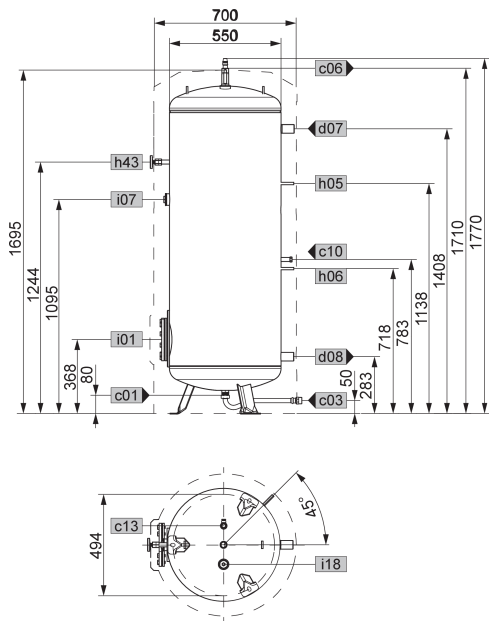
Dimensional drawings Air|Water heat pump WPL 25 AS



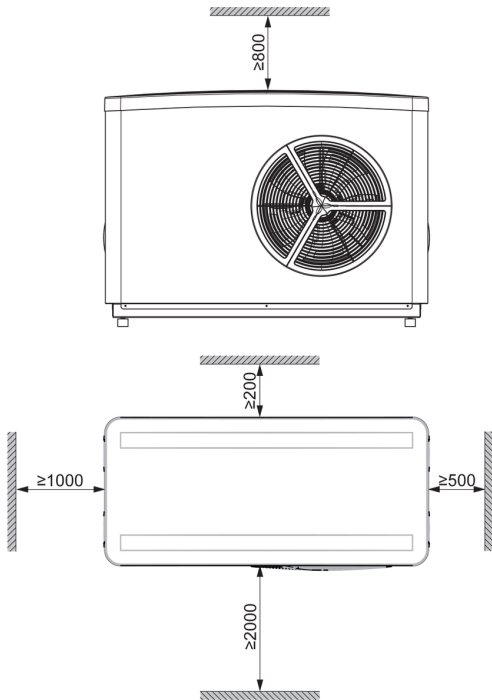
Dimensional drawings Buffer cylinder SBP 100 classic



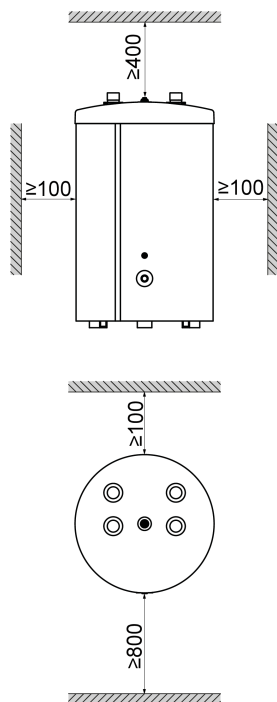
Dimensional drawings Warm water cylinder SBB 302 WP (GB) Set



Minimum distance Air|Water heat pump WPL 25 AS



Minimum distance Buffer cylinder SBP 100 classic



Article details

Air|Water heat pump WPL 25 AS

Product Area Heat pump



Position	1
Name	WPL 25 AS
Article number	236642



[Product data](#)

APPLICATION: Inverter air | water heat pump with output-dependent control, designed as a compact mono block appliance for outdoor installation. Can be used for heating and DHW in new builds and modernisation projects due to the high flow temperatures.

EQUIPMENT/CONVENIENCE: Optimum noise reduction due to encapsulated refrigerant circuit and acoustically isolated compressor. The wide gaps between the evaporator fins create low air resistance and, in combination with the modulating fan, result in a low sound power level. The combined enhanced vapour injection/enhanced saturated vapour injection cools the scroll compressor at low outside temperatures, enabling a higher heating output/flow temperature to be achieved. In combination with the ISG (additional accessory), the heat pump controller (required accessory) can be used to control the system via a home network or a mobile terminal device. With integral heat and electricity metering via refrigerant circuit data. An emergency/booster heater enables mono energetic operation. The refrigerant circuit is hermetically sealed, tested for tightness at the factory and filled with safety refrigerant R410A.

EFFICIENCY: The waste heat from the inverter is used to raise the return temperature. This increases the overall efficiency of the system. Demand-dependent and energy efficient defrosting through circuit reversal. The condensate pan is heated by the refrigerant circuit to enable efficient defrosting.

INSTALLATION: Integral anti-vibration mounts for direct connection to the heating system. Pivoting electrical connection panel for better accessibility. Quick access to the condensate pan via cleaning aperture at the rear. The metal casing is corrosion-protected and made from galvanised, powder coated sheet steel, with an alpine white stove enamel finish. The fan grille, recessed grips and cover are made from weatherproof and UV-resistant plastic in aluminium white.

Buffer cylinder SBP 100 classic

Product Area Heat pump



Position	2
Name	SBP 100 classic
Article number	235200



[Product data](#)

APPLICATION: Buffer cylinder for hydraulic separation of the liquid flowing in the heat pumps and heating/cooling circuit.
EQUIPMENT: The steel cylinder with directly applied foam insulation is equipped with a protective cover and connections for venting and draining. The hydraulic connections are at the top.
EFFICIENCY: Lowest possible standby losses due to efficient thermal insulation. Matched inlet and outlet technology to reduce mixing.

Warm water cylinder SBB 302 WP (GB) Set

Product Area Heat pump



Position	3
Name	SBB 302 WP (GB) Set
Article number	228945



[Product data](#)

Freestanding DHW cylinder SBB 301/302 WP for heat pumps and SBB 401 WP SOL plus for solar DHW backup. The internal smooth-tube heat exchangers are enamelled and limescale-resistant. The following are installed as standard: A PTC sensor, a thermometer, a signal protective anode made from magnesium for optimum corrosion protection and a dummy flange. The thermal insulation as directly applied PU foam insulation ensures low heat losses and is protected with a high-grade external plastic jacket. External plastic jacket in pure white; the lid and fascia are finished in basalt grey. The cylinder is delivered secured to a timber pallet.

Heat pump manager WPM

Product Area Heat pump



Position	4
Name	WPM
Article number	234727



[Product data](#)

The main controller of the new, expandable WPMsystem. The WPM assists the control of one direct heating circuit and two heating circuits with mixer. Two heat pumps can be operated in a cascade, with additional heat pumps being connected via the WPMsystem extension. The WPM provides a 230 V fault contact for external pick-up of system faults. High efficiency circulation pumps can be connected directly via relay outputs or PWM outputs. The PCB of the WPM is located in a drip-proof wall mounting enclosure which can also accommodate other components, such as the relay for the top-hat rail. The entire system is operated via the integral programming unit. A well designed cable layout and the large installation area for the electrical connections ensure easy, fail-safe connection. The standard delivery includes three sensors which can be used as either immersion or contact sensors, as well as an outside temperature sensor. An internet interface and Smart Home interfaces are available as options.

Circulation pump UP 25/7.5 PCV

Product Area Heat pump



Position	5
Name	UP 25/7.5 PCV
Article number	201620



[Product data](#)

Energy efficient heating circuit pump ($EEI \leq 0.23$), electronically controlled and with thermal insulation, to pump the heat transfer medium. The circulation pumps UP 25/7.5 PCV, UP 25/1-8 PCV and UP 30/1-8 PCV can be controlled via either a PWM signal or differential pressure. The UP 40/1-8 E and UP 50/1-12 E can be controlled via an IF module (accessories) with a 0-10 V signal.

Product Area Heat pump



Position	6
Name	ISG web
Article number	229336

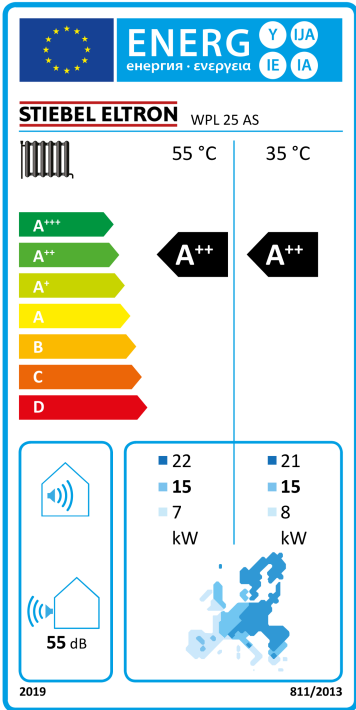


Product data

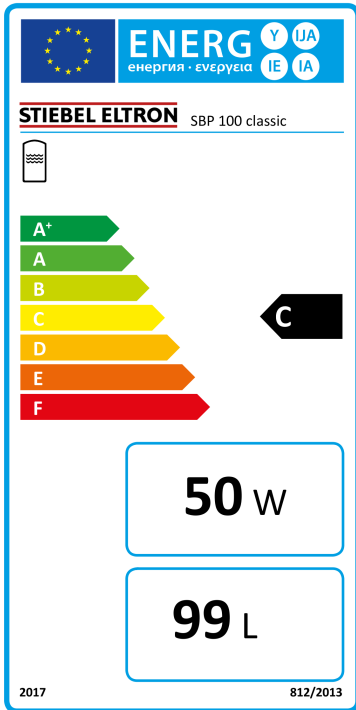
ALTERNATIVE AUXILIARY FUNCTIONS: KNX IP, Modbus TCP, EM Trend or EMI (pairing with the SMA Sunny Home Manager).

Energy label

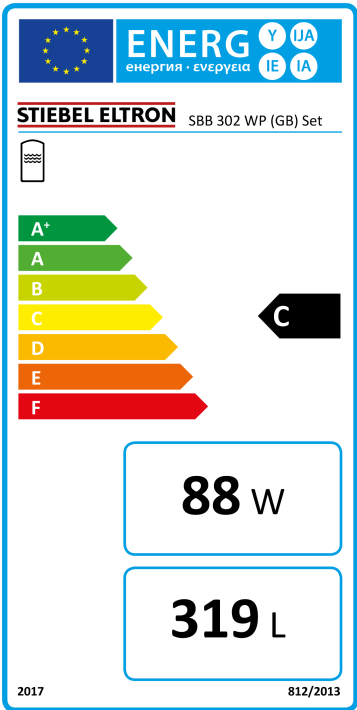
Product label Air|Water heat pump WPL 25 AS



Product label Buffer cylinder SBP 100 classic



Product label Warm water cylinder SBB 302 WP (GB) Set



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