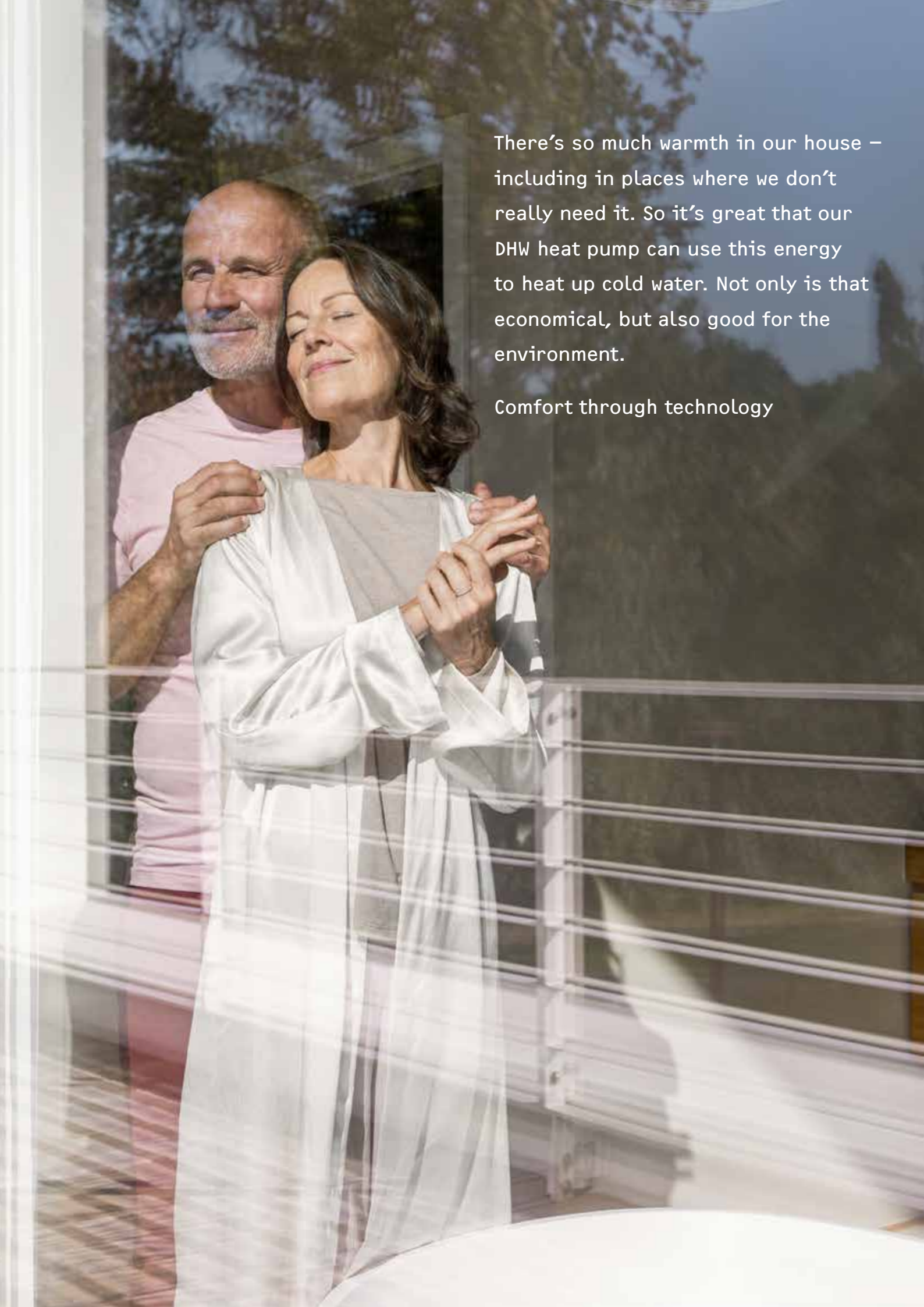


Harnessed from the air Used for hot water

Producing hot water using energy from the air



A man and a woman are embracing on a balcony. The man, on the left, has a grey beard and is wearing a light pink t-shirt. The woman, on the right, has long brown hair and is wearing a white long-sleeved top. They are both smiling and looking towards the right. The balcony has a white railing with horizontal bars. In the background, there are trees and a clear blue sky. The lighting suggests it is daytime.

There's so much warmth in our house – including in places where we don't really need it. So it's great that our DHW heat pump can use this energy to heat up cold water. Not only is that economical, but also good for the environment.

Comfort through technology

Give your personal energy transition a boost

Renewable energies are the key to a sustainable heat supply. With a heat pump, you not only improve your personal carbon footprint, but also create secure prospects for your home. That's the way to achieve sustainable wellbeing today.

Making your home energy efficient has become an important component in combating global climate change. There is enormous potential here to reduce energy costs and achieve your personal energy transition. The biggest energy guzzler in residential buildings is the heating system. Almost 80 % of the energy you use goes on heating and hot water.

Set your sights on a futureproof supply

The time is up for using fossil fuels to generate heat. Fortunately, there is an alternative that leaves oil and gas in the shade: a heat pump allows you to use the heat contained in the air, water and the ground, and make it usable for your home. This improves your personal carbon footprint, makes you more independent and best of all: you don't lose the heating and hot water convenience you are used to. Powered by green electricity, the heat pump is simply unbeatable in terms of sustainability.



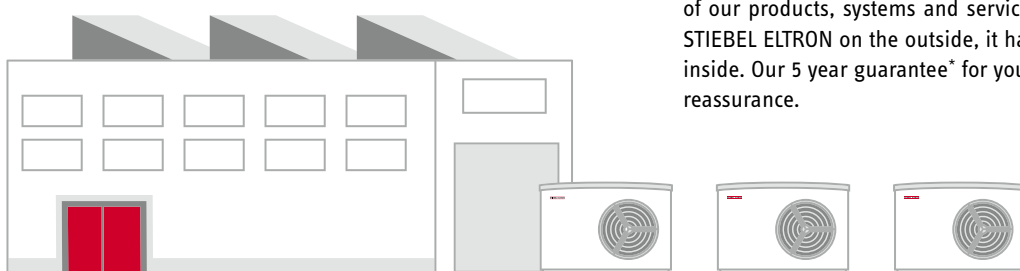
www.stiebel-eltron.com/promise



Heat pumps from STIEBEL ELTRON – here's why

Quality and durability

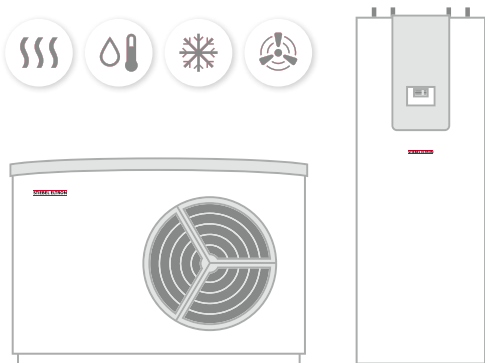
We have been developing and manufacturing heat pumps in our own production facilities in Germany with strict quality controls for over 45 years. With each of the 500,000 heat pumps we have put into use, we continue to learn and strive to always keep getting better. These many years of experience feed continuously into the development of our products, systems and services. For you this means: if it says STIEBEL ELTRON on the outside, it has STIEBEL ELTRON quality on the inside. Our 5 year guarantee* for your whole system offers additional reassurance.



Efficiency

Thanks to their superior efficiency, our heat pumps cut down on both CO₂ emissions and energy costs. Based on an integrated concept, our heat pump sets are suitable for any home or property, and have been developed and tested for winters in our climate zone.

Even in existing buildings, they work efficiently at very low outside temperatures and supply everything your home needs: room heating and cooling as well as domestic hot water heating. This is demonstrated by the fact that over 85,000 STIEBEL ELTRON heat pumps have been installed in Switzerland in the last 45 years.



Flexibility

STIEBEL ELTRON provides heat pumps for new build and modernisation, for indoor or outdoor installation and for use with the energy sources air, ground or water. This makes them the right solution for virtually any feel-good temperature, installation situation and building. STIEBEL ELTRON heat pumps are so quiet that your neighbours will love them too. Our heat pumps and hot water cylinders come with many components already integrated. This not only saves time during installation, but also reduces the space requirement and keeps the boiler room tidy.

For efficient use of your PV power, our heat pumps can be combined with any PV system and battery storage unit. You can choose from any PV manufacturer and PV system and benefit from intelligent energy management.

Consulting and service

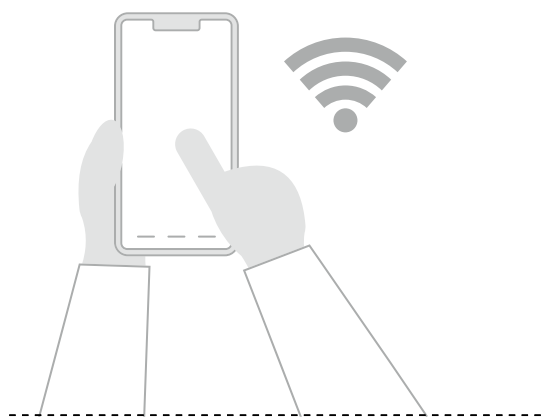
We work with qualified contractors all over Germany for consulting, design, installation and maintenance of your heat pump system. Our trade partners have access to a comprehensive training programme. This is how we share our knowledge as a leading heat pump manufacturer.

If anything should go wrong, our extensive customer service network provides direct, on-site support. And thanks to our 15 year spare parts guarantee, our original spare parts will continue to be rapidly available even when you have been using one of our heat pumps for a long time.



Easy operation

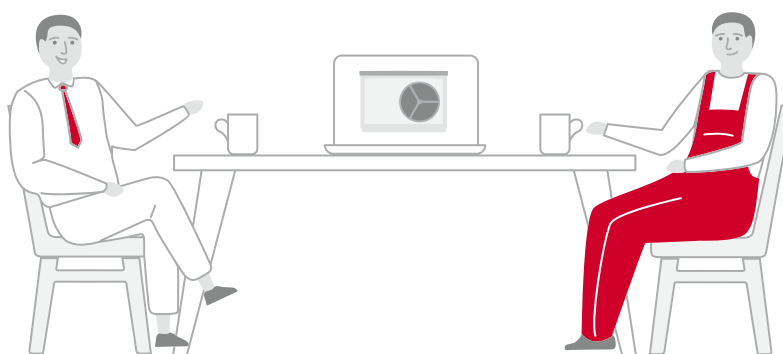
Connect your STIEBEL ELTRON heat pump to the internet and operate it intuitively from your smartphone. Every STIEBEL ELTRON heat pump system can also, of course, be easily controlled by means of our heat pump manager.



Find the right heat pump for your home

Let one of our qualified contractors advise you or use our configurator for convenient initial guidance from the comfort of your own home.

On request, this also includes a free non-binding quotation for your STIEBEL ELTRON heat pump provided directly online by a qualified contractor near you.



Make the best choice for all your plans

Treat yourself to moments of relaxation. That's best achieved with hot water, which our appliances can produce without wasting resources. STIEBEL ELTRON DHW heat pumps draw most of the energy they need from the ambient air, which contains a great deal of heat – heat that is normally wasted. Our heat pumps use this free ambient energy, along with their integral water cylinder, to ensure that you can enjoy plenty of relaxing moments all year round.

DHW heat pumps



	Page 08	Page 08	Page 08
Model	SHP-F 220 Premium	SHP-F 300 Premium	SHP-F 300 X Premium
Energy efficiency (load profile)	A+ (L)	A+ (XL)	A+ (XL)
Cylinder capacity	220 l	302 l	291 l
Indoor installation outdoor installation	■ -	■ -	■ -
Min./max. application limit	-8 °C/+35 °C	-8 °C/+35 °C	-8 °C/+35 °C
Max. temperature in heat pump-only mode	+65 °C	+65 °C	+65 °C
Max. mixed water volume	330 l	465 l	440 l
Connection of second heat generator (e.g. boiler)			■
Photovoltaic compatibility			
- via switching contact ¹⁾	■	■	■
- via energy management system ²⁾	■	■	■
Digital control with LCD	■	■	■
Air duct operation possible	■	■	■
Recirculation/outdoor air mode	■ ■	■ ■	■ ■
Product class	Premium	Premium	Premium

¹⁾ Suitable inverter required. ²⁾ Suitable energy management system required. Energy efficiency class in accordance with EU Regulation no. 812/2013.

**Page 10****SHP-A 220 Plus**

A+ (L)

220l

■|-

+6 °C/+42 °C

+65 °C

330l

-
-
-

■|-

Plus

**Page 10****SHP-A 300 Plus**

A+ (XL)

302l

■|-

+6 °C/+42 °C

+65 °C

465l

-
-
-

■|-

Plus

**Page 10****SHP-A 300 X Plus**

A+ (XL)

291l

■|-

+6 °C/+42 °C

+65 °C

440l

■

-
-
-

■|-

Plus

**Page 12****WWK 222 (H)**

A+ (L)

220l

-|■

-5 °C/+42 °C

+65 °C

330l

-
-
-

■|■

Premium

**Page 12****WWK 302 (H)**

A+ (XL)

302l

-|■

-5 °C/+42 °C

+65 °C

465l

-
-
-

■|■

Premium



Keeping your plans flexible

DHW heat pump SHP-F 220/300 (X) PREMIUM

The flexibility you enjoy with a DHW heat pump is well demonstrated in this model. It is equipped with air ducts that allow it to draw outdoor air or waste heat from an adjacent room. Moreover, your installer can arrange the ducts horizontally or vertically, depending on the layout of the installation room.

A futureproof investment

The appliance is also well equipped on the inside: it achieves the highest possible energy efficiency and provides you with high, hygienic DHW temperatures. A straightforward combination of heat pump and photovoltaic system¹⁾ makes even more efficient use of natural resources, as it allows you to heat your hot water with self-generated electricity. For feel-good moments that are truly home-made.

What convinces this product

- › High flexibility in siting and installation
- › Achieves the highest possible energy efficiency class in this product group (A+)²⁾
- › Hygienic DHW temperatures up to 65 °C achievable in efficient heat pump mode
- › Can be integrated into a smart grid (SG Ready)
- › Maximum reliability and cost savings due to maintenance-free cylinder protection (impressed current anode)

¹⁾Compatible inverter required.

²⁾Energy efficiency class in accordance with EU Regulation no. 812/2013.

Become more self-sufficient at home

DHW heat pump SHP-A 220/300 (X) PLUS

Self-sufficiency in your own home is an important factor. You can take a big step in the right direction with this DHW heat pump. Not only does it use renewable sources for DHW heating, but with its superbly insulated cylinder, it also achieves excellent output values. For you, that means hot water for a bath or shower whenever you need it – with low energy consumption.

Easy to operate and connect

A user friendly LCD screen helps you operate the appliance. It shows you at a glance how much mixed water is currently available. Would you like to connect the heat pump to your photovoltaic system¹⁾? Nothing could be simpler. The appliance comes with this option as standard, allowing you to make clever use of energy from the sun as well as the air.

What convinces this product

- › Achieves the highest possible energy efficiency class in this product group (A+)²⁾
- › Hygienic DHW temperatures up to 65 °C achievable in efficient heat pump mode
- › Can be integrated into a smart grid (SG Ready)
- › Maximum reliability and cost savings due to maintenance-free cylinder protection (impressed current anode)

¹⁾Compatible inverter required.

²⁾Energy efficiency class in accordance with EU Regulation no. 812/2013.





Choose a powerful partner for your hot water

DHW heat pump WWK 222/302 (H)



Robust and especially powerful – these are the defining features of this air source heat pump. The compact appliance with stove-enamelled metal casing is specially designed for your qualified contractor to install in your garden. From there, it will supply several draw-off points in your home with pleasant hot water, and ensure reliable operation and a long service life as well.

Link up to self-generated electricity

If you use your heat pump in recirculation air mode, it can also be installed indoors. Wherever you site the appliance, it can do more: do you generate your own solar power? Then make use of that for your DHW heating. The heat pump can be easily linked up to a photovoltaic system¹⁾.

Top product features

- › Very robust as specifically designed for outdoor installation
- › Suitable for ambient temperatures down to -5 °C
- › Maximum reliability and cost savings due to maintenance-free cylinder protection (impressed current anode)

¹⁾Compatible inverter required.

DHW heat pump product comparison

		SHP-F 220 Premium	SHP-F 300 Premium	SHP-F 300 X Premium
Part number		238630	238631	238632
Energy efficiency class, DHW heating (outdoor air), load profile L		A+		
Energy efficiency class, DHW heating (outdoor air), load profile XL			A+	A+
Energy efficiency class, DHW heating (indoor air), load profile L		A+		
Energy efficiency class, DHW heating (indoor air), load profile XL			A+	A+
Average heating output (A20 / W10-55)	kW	1,8	1,8	1,8
Average heating output (A7 / W10-55)	kW	1,3	1,3	1,3
COP (EN 16147 / A20)		3,28	3,75	3,75
COP (EN 16147 / A7)		3,07	3,22	3,22
Nominal load profile (EN 16147)		L	XL	XL
Nominal DHW temperature (EN 16147)	°C	55	55	55
Average indoor sound pressure level at 1 m distance, free field with 4 m air duct	dB(A)	37	37	37
Indoor sound power level with 4 m air duct (EN 12102)	dB(A)	52	52	52
Min./max. application limits for heat source	°C	-8/+42	-8/+42	-8/+42
Max. DHW temperature with heat pump	°C	65	65	65
Height x diameter	mm	1501 x 690	1905 x 690	1905 x 690
Nominal capacity	l	220	302	291
Max. mixed water amount at 40 °C	l	330	465	440
Product class Premium/Plus/Trend		■/-/-	■/-/-	■/-/-

		SHP-A 220 Plus	SHP-A 300 Plus	SHP-A 300 X Plus
Part number		238633	238634	238635
Energy efficiency class, DHW heating (indoor air), load profile L		A+		
Energy efficiency class, DHW heating (indoor air), load profile XL			A+	A+
Average heating output (A15 / W10-55)	kW	1,6	1,6	1,6
Average heating output (A7 / W10-55)	kW	1,3	1,3	1,3
COP (EN 16147 / A20)		3,55	3,51	3,51
COP (EN 16147 / A7)		2,68	2,79	2,75
Nominal load profile (EN 16147)		L	XL	XL
Nominal DHW temperature (EN 16147)	°C	55	55	55
Maximum available nominal amount of DHW at 40 °C (EN 16147 / A20)	l	278	395	371
Average sound pressure level at 1 m distance, free field	dB(A)	45	45	45
Sound power level (EN 12102)	dB(A)	60	60	60
Min./max. application limits for heat source	°C	+6/+42	+6/+42	+6/+42
Max. DHW temperature with heat pump	°C	65	65	65
Height x diameter	mm	1501 x 690	1905 x 690	1905 x 690
Nominal capacity	l	220	302	291
Max. mixed water amount at 40 °C	l	330	465	440
Product class Premium/Plus/Trend		-/■/-	-/■/-	-/■/-

DHW heat pump product comparison

		WWK 222	WWK 222 H	WWK 302	WWK 302 H
Part number		231209	233209	231211	232905
Energy efficiency class, DHW heating (indoor air), load profile L		A+	A+		
Energy efficiency class, DHW heating (indoor air), load profile XL				A	A
Average heating output (A15 / W10-55)	kW	1,6	1,6	1,6	1,6
Average heating output (A7 / W10-55)	kW	1,2	1,2	1,2	1,2
COP (EN 16147 / A20)		2,92	2,92	2,91	2,91
Nominal load profile (EN 16147)		L	L	XL	XL
Nominal DHW temperature (EN 16147)	°C	61	61	61	61
Maximum available nominal amount of DHW at 40 °C (EN 16147 / A20)	l	322	322	457	457
Average sound pressure level at 1 m distance, free field	dB(A)	45	45	45	45
Sound power level (EN 12102)	dB(A)	60	60	60	60
Min./max. application limits for heat source	°C	-5/+42	-5/+42	-5/+42	-5/+42
Max. DHW temperature with heat pump	°C	65	65	65	65
Min. DHW temperature with heat pump	°C	61	61	61	61
Height x diameter	mm	1501 x 690	1501 x 690	1905 x 690	1905 x 690
Nominal capacity	l	220	220	302	302
Max. mixed water amount at 40 °C	l	330	330	465	465
Product class Premium/Plus/Trend		■/-/-	■/-/-	■/-/-	■/-/-

Sustainable comfort

Electricity is the future. With the development of green technologies, we advocate innovative, environmentally responsible and futureproof building services – so that you can enjoy sustainable comfort at home. As a family business, we act for the future – yours and ours.



Since 1924, STIEBEL ELTRON has been synonymous with reliable solutions for domestic hot water, heating, ventilation and cooling. We maintain a clear focus in the energy debate: electricity, preferably harnessed from renewables, is the energy of the future. That is why we rely on approximately 5000 employees around the world for efficient heating solutions with green technologies.

From the design and manufacture of your appliance through to its maintenance, we systematically apply our expertise, strength of innovation and experience – gained from working with customers with high standards, such as yourself, and from the sale of more than two million appliances each year. We have the right solutions to meet every requirement. Solutions designed to raise the level of convenience in your home today and still be up to date tomorrow.

You can see first hand our commitment to green technology by visiting the Energy Campus at our head office in Holzminden, Germany. This training and communication centre is our flagship project for sustainable and resource-efficient construction. It combines the highest standards of architectural and communication quality. As a PlusEnergy building, it generates more energy than it consumes. Come and experience what our name stands for – in theory and practice.



[www.stiebel-eltron.com/
about-stiebel-eltron](http://www.stiebel-eltron.com/about-stiebel-eltron)

Partnership with vision

We are a premium and sustainability partner of the Bundesliga football team Borussia Dortmund. As a heating expert, we are supporting the BVB on its path to a CO₂-free future.

STIEBEL ELTRON



Sustainability Partner
of Borussia Dortmund

For new and interesting information on our products, visit www.stiebel-eltron.com or consult your local trade partner.



[www.stiebel-eltron.com/
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STIEBEL ELTRON



**Premium
Partner**

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