

**STIEBEL ELTRON**

STIEBEL ELTRON is  
full of energy.

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# Product Catalogue

HOT WATER | RENEWABLES | HOME COMFORT

## A CLEAR FOCUS:

We have the energy to change things. And as a company we have a clear focus.

### FORWARD THINKING IS OUR DRIVING FORCE

STIEBEL ELTRON is one of the market leaders in the fields of building services and renewable energies. We have run our family-owned company along clear lines since it was founded back in 1924.

This means that it is second nature to us to think a little further ahead – in order to be able to provide tomorrow's solutions today.

### THE FUTURE BELONGS TO GREEN TECH

The way we live our lives and run our homes is changing, as is our relationship with energy. As energy efficiency becomes increasingly important, we need to further reduce our energy requirements at home for heating and hot water. There is no question for us that buildings need innovative heating, ventilation and air-conditioning based on renewable energies and, in turn, on green electricity. Our company has set a clear course for the future: green tech instead of oil and gas.

### SHAPING THE FUTURE – FULL OF ENERGY

STIEBEL ELTRON is also clear in its focus on working in a spirit of partnership with market partners and end customers. This is not only rooted in our brand promise, but also in our company and its history. Which may explain why we were among the first to meet the need for highly efficient appliances among end customers. A key advantage – and for our market partners, too.



Hot water



Heating



Ventilation



Cooling



+ 0,06 top



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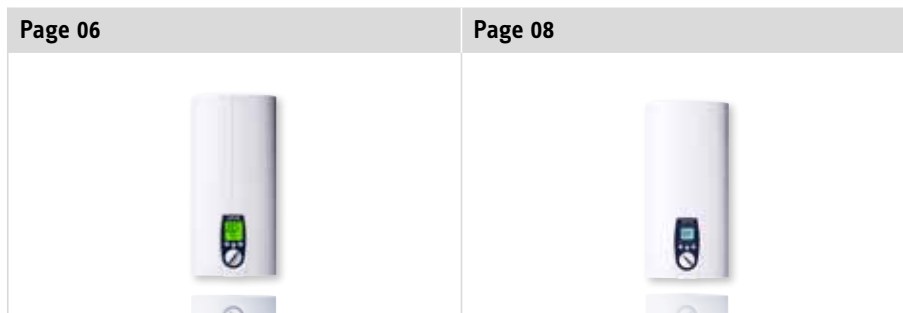
# Market leader in three phase instantaneous water heaters

Three phase electric instantaneous water heaters conveniently supply hot water precisely when needed and in exactly the right amount. They are perfect for greater hot water demand at high temperatures. A single appliance can be used for multiple draw-off points in parallel. Classic application areas include bathrooms and kitchens as well as office fit-outs, food stores, laundries and other commercial buildings. Our electric instantaneous water heaters offer all the benefits of decentralised hot water including high efficiency and premium comfort. Take advantage of STIEBEL ELTRON's decades of experience and appliances that have been tried and tested. With over 22 million units sold and counting, STIEBEL ELTRON is the market leader in the field.

## ELECTRIC INSTANTANEOUS THREE PHASE WATER HEATERS

### EXCELLENT ENERGY EFFICIENCY

Our comfort instantaneous water heaters are A rated - the highest energy efficiency class.



### PREMIUM PLUS

Model	DHE AU	DEL AU
Control concept	4i	3i
Maximum temperature	60 °C	50 °C
Temperature selection	Variable, 20-60 °C	Variable, 30-50 °C
Display and operation	Large multifunction display + rotary selector	Multifunction display + rotary selector
Display of consumption and costs	■	
ECO mode	■	
Memory for temperature settings	■	■
Mini remote control (optional accessory)	■	■
Activation flow rate	2.5 L/min switch on	2.5 L/min switch on
No flue or ventilation required	■	■

**Benefits of decentralised hot water**

- › Installed close to the point of use saving both water and energy
- › No standing heat losses
- › Premium quality and innovative design
- › Instant and continuous supply of hot water
- › Space saving design
- › No safe tray, flue or ventilation required
- › 50 °C units available - specifically designed for Australian conditions in accordance with AS3498
- › Suitable for hard and soft water areas

## i technology

i technology from STIEBEL ELTRON sets new standards, not only in terms of overall hot water convenience, but also when it comes to energy efficiency. The more high end the appliance, the more sensors control the water temperature and, as a result, the more accurately the DHW temperature is maintained.

- › 4i technology - limitless premium comfort. Accurate temperature delivery at all times without fluctuations, plus highest efficiency rating.
- › 3i technology - excellent DHW convenience. Constant and accurate DHW temperature up to the output limit while offering the highest efficiency.



Page 10	Page 12	Page 13
PLUS	TREND	TREND
DHB-E AU	SimpleX	DHF C AU
3i	Hydraulically controlled	Hydraulically controlled
50 °C and 60 °C models available	60 °C	60 °C
Variable, 30-50 °C and 30-60 °C		
Rotary selector		
3 L/min switch on	4.5 L/min switch on	4.5 L/min - half power switch on 4.5 L/min - full power switch on



# DHE All

## MAXIMUM SHOWERING COMFORT WITH 4i TECHNOLOGY

The DHE AU comfort instantaneous water heater supplies water heated to precisely the right temperature at all times. 4i technology also compensates for all external factors, maintaining the required outlet temperature at a constant level. This appliance boasts excellent features offering outstanding comfort.

### Visible efficiency at all times

The digital multifunction display shows the set water temperature at all times. The display will light up green to indicate that the appliance is operating at a high level of efficiency. Precise energy and water consumption can be displayed at any time.



## Benefits of the DHE AU

- › Accurate temperature delivery at all times from 20 °C to 60 °C thanks to 4i technology
- › Made in Germany
- › Quick temperature selection with memory button
- › ECO function for saving water and energy
- › The display shows the current water and energy consumption
- › Compact space saving design
- › No safe tray, flue or ventilation required



		PREMIUM	
Model		DHE 18 AU	DHE 27 AU
		<b>233988</b>	<b>233989</b>
Rated output (415 V)	kW	19.4	29.1
Rated current (415 V)	A	27	40
Phases		3/PE	3/PE
Activation flow rate	L/min	2.5 switch on	2.5 switch on
Max. operating pressure	kPa	1000	1000
Temperature adjustment	°C	20-60	20-60
IP rating		IP25	IP25
Height/Width/Depth	mm	478/225/105	478/225/105

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

# DEL AU

## 3-FOLD INTELLIGENCE FOR A HIGH LEVEL OF CONVENIENCE

The electronically controlled DEL AU instantaneous water heater accurately measures the flow rate and the temperature of the cold and hot water, then uses these details to regulate the heating output. This ensures a constant and precise outlet temperature up to the output limit.

### The right temperature in small steps

The DEL AU has a rotary selector which allows for variable adjustment of the temperature in increments of 1.0 °C up to a maximum of 50 °C. The temperature is shown on the LCD.



## Benefits of the DEL AU

- › 3i technology for accurate temperature delivery up to the maximum output
- › Made in Germany, designed for Australian conditions
- › Backlit LCD with memory function
- › Saves up to 30% water and energy compared with hydraulic instantaneous water heaters
- › 50 °C unit specifically designed for Australian conditions in accordance with AS3498 – no external temperature control device required



	PLUS	
Model	DEL 18 AU	DEL 27 AU
	<b>233741</b>	<b>233742</b>
Rated output (415 V)	kW 19.4	28
Rated current (415 V)	A 27	39
Phases	3/PE	3/PE
Activation flow rate	L/min 2.5 switch on	2.5 switch on
Max. operating pressure	kPa 1000	1000
Temperature adjustment	°C 30-50	30-50
IP rating	IP25 (IP24 at electrical connection finished walls)	IP25 (IP24 at electrical connection finished walls)
Height/Width/Depth	mm 478/225/105	478/225/105

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.







# DHB-E AU

**AFFORDABLE 3i COMFORT, TOP QUALITY INCLUDED**

The DHB-E AU offers all of the comforts you would expect from a comfort 3 phase electric instantaneous water heater with 3i technology. The rotary selector lets you set the temperature you want quickly and easily.

### For endless showering pleasure

With 3i technology, the water temperature is continuously controlled with the aid of three sensors. This makes temperature fluctuations a thing of the past. It also ensures accurate temperature delivery up to the maximum output – making showering a delight – every time.

### Selection of models

Specifically designed for Australian conditions, STIEBEL's DHB-E AU range offers an electronically controlled unit not exceeding water delivery temperature of 50 °C in accordance with AS3498. This overcomes the need for a separate tempering valve in situations where 50 °C hot water is required.



DHB-E 13 AU



DHB-E 18/27 AU

## Benefits of the DHB-E AU

- › 3i technology ensures accurate and efficient temperature delivery from 30 °C up to the maximum output
- › Made in Germany
- › Infinitely variable temperature selection
- › 50 °C unit available - specifically designed for Australian conditions in accordance with AS3498 to overcome the need for an external temperature valve
- › Suitable for hard and soft water areas



	PLUS			
Model	DHB-E 13 AU [50°C]	DHB-E 13 SLi [60°C]	DHB-E 18 AU [60°C]	DHB-E 27 AU [60°C]
	<b>232360</b>	<b>232014</b>	<b>233986</b>	<b>233987</b>
Rated output (415 V)	kW 14.5	14.5	19.4	28
Rated current (415 V)	A 20	20	27	39
Phases	3/P/PE	3/P/PE	3/P/PE	3/P/PE
Activation flow rate	L/min 3.0 switch on	3.0 switch on	3.0 switch on	3.0 switch on
Max. operating pressure	kPa 1000	1000	1000	1000
Temperature adjustment	°C 30-50	30-60	30-60	30-60
IP rating	IP25	IP25	IP25	IP25
Height/Width/Depth	mm 478/225/105	478/225/105	478/225/105	478/225/105

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

# SimpleX

**REPLACEMENT UNIT ONLY AVAILABLE IN WA**

The SimpleX water heater offers German engineered hot water on demand. An excellent choice for those who simply want hot water.

## Only available in Western Australia

The SimpleX water heater makes replacing hydraulically controlled hot water units an easy, quick and stress-free process. This replacement unit is only available in Western Australia.



## Benefits of the SimpleX

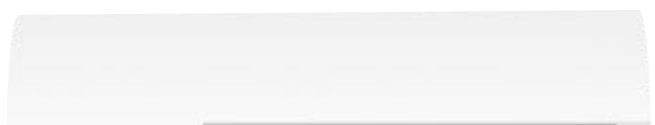
- › Compact in size, designed to be installed virtually anywhere an existing 3 phase heater with identical dimensions is located
- › Flow rate of 7.5 litres per minute delivers a 25°C rise
- › Ideal for single bathroom dwellings
- › Silent operation
- › Replacement unit for similar hydraulically controlled water heaters – for new installations we recommend a STIEBEL ELTRON DHB-E 13 AU



SimpleX

		TREND
Model		SimpleX
		<b>221094</b>
Rated output (415 V)	kW	13.2
Rated current (415 V)	A	20
Phases		3/P/PE
Activation flow rate	L/min	4.5 switch on
Max. operating pressure	kPa	1000
Temperature adjustment	°C	N/A
IP rating		24
Height/Width/Depth	mm	210/360/125

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.



# DHF C AU

**REPLACEMENT UNIT ONLY AVAILABLE IN NSW**

The DHF C AU is an inexpensive DHW solution in classic STIEBEL ELTRON quality. It is an ideal entry level appliance for those who want to benefit from high manufacturing quality and the considerable experience of STIEBEL ELTRON.

## Replacement unit for New South Wales

The DHF C AU is an ideal replacement for instantaneous water heaters with hydraulic control. It offers a two-stage temperature and output selection that ensures maximum performance, while its compact design allows for installation in the tightest of spaces.



## Benefits of the DHF C AU

- › Made in Germany, designed for Australian conditions
- › Control valve compensates automatically for most pressure fluctuations in the water supply
- › Perfect for replacing instantaneous water heaters with hydraulic control in New South Wales
- › Tubular element
- › Replacement unit for similar hydraulically controlled water heaters – for new installations we recommend a STIEBEL ELTRON DHB-E 13 AU

Model	TREND	
	DHF 13 C AU 222214	DHF 15 C AU 233985
	Position • : 7.1	Position • : 8.05
Rated output (415 V)	kW Position •• : 14.2	Position •• : 16.1
Rated current (415 V)	A 19.7	22.5
Phases	3/P/PE	3/P/PE
	Half power: 3.0 switch on	Half power: 3.0 switch on
Activation flow rate	L/min Full power: 4.5 switch on	Full power: 4.5 switch on
Max. operating pressure	kPa 1000	1000
IP rating	IP24	IP24
Height/Width/Depth	mm 370/220/130	370/220/130

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

DHF 13 C AU



# Single phase instantaneous water heaters – compact and efficient in one

Compact instantaneous water heaters are excellent choices for small to medium amounts of hot water, and therefore are ideal for hand wash basins or in the kitchen. The big advantage of a decentralised solution is, that hot water is available instantaneously, avoiding potential losses in the supply line. Instantaneous water heaters only ever heat the exact amount of water that is currently required. This ensures that no heat is lost or energy is wasted. The German engineered technology is reliable, durable and never fails to impress.

i technology from STIEBEL ELTRON stands for premium DHW comfort and high efficiency:






› 2i technology – everyday DHW convenience. Constant DHW temperature achieved by mixing at the tap, plus excellent energy efficiency.

## COMPACT SINGLE PHASE INSTANTANEOUS WATER HEATERS

ENERGY EFFICIENCY

**A**

	Page 15	Page 15	Page 16
			
	PLUS	PLUS	TREND
Model	DHCE 6/50 and 8/50	DHCE 8/60	DHC 4
Control concept	2i	2i	Hydraulically controlled
Maximum temperature	50 °C	60 °C	60 °C
Temperature selection	Variable, 40/45/50 °C	Variable, 40/50/60 °C	N/A
Activation flow rate	< 1.5 L/min switch on	< 1.5 L/min switch on	< 1.4 L/min switch on
No flue or ventilation required	■	■	■

# DHCE

## DHW CONVENIENCE NEED NOT TAKE UP ANY MORE SPACE

More room for your design ideas is now available thanks to the small dimensions of the DHCE range. These water heaters are happy to be tucked away in low cupboards or can be incorporated unobtrusively into the interior design.

### Electronically controlled for higher savings

The inner values of the DHCE are equally persuasive. Its integral electronic 2i technology combines constant hot water delivery with low power consumption.

### Two different 50 °C models: DHCE 6/50 & 8/50

Specifically designed for the Australian market, STIEBEL's DHCE range offers two electronically controlled units not exceeding water delivery temperature of 50 °C in accordance with AS3498. This overcomes the need for a separate tempering valve in situations where 50 °C maximum hot water is required.

### Benefits of the DHCE

- › Ideal for low flow applications with a switch-on flow rate of only 1.5 L/min
- › Three selectable temperatures for greater convenience
- › For use at one or several draw off points
- › Compact design for flexible and space saving installation
- › 50 °C units available - specifically designed in accordance with AS3498 to overcome the need for an external temperature valve
- › No safe tray, flue or ventilation required

DHCE /50 (silver) & DHCE /60 (white)



		PLUS		
Model		DHCE 6/50	DHCE 8/50	DHCE 8/60
		<b>233639</b>	<b>233640</b>	<b>233948</b>
Rated output (240 V)	kW	7.1	9.5	9.5
Rated current (240 V)	A	30	40	40
Phases		1/N/PE/AC 220..240 V	1/N/PE/AC 220..240 V	1/N/PE/AC 220..240 V
Activation flow rate	L/min	1.5 switch on	1.5 switch on	1.5 switch on
Max. operating pressure	kPa	1000	1000	1000
Temperature adjustment	°C	• 40 •• 45 ••• 50	• 40 •• 45 ••• 50	• 40 •• 50 ••• 60
IP rating		IP25	IP25	IP25
Heating System		Tubular	Tubular	Tubular
Finish		Silver - carbon look design	Silver - carbon look design	White
Height/Width/Depth	mm	360/200/110	360/200/110	360/200/110

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

# DHC 4

## HOT WATER FOR NORTHERN REGIONS OF AUSTRALIA

The hydraulically controlled DHC 4 single phase instantaneous water heater is ideal for servicing smaller hot water requirements, such as a sink or basin. The DHC series is made in Germany, and specifically engineered for the Northern regions of Australia.

### Only available in Northern regions of Australia

The pressure-tested compact instantaneous water heater DHC 4 has been specially developed for single phase power supplies where a low Delta-T is required.



### Benefits of the DHC 4

- › Specifically designed for Northern regions of Australia with warmer incoming cold water temperature
- › Made in Germany
- › Tubular heating element with pressure tested copper casing
- › Compact design for flexible, space saving installation
- › Multiple electrical access points for ease of installation
- › No safe tray, flue or ventilation required



DHC 4



		TREND
Model		DHC 4
		<b>73715</b>
Rated output (240 V)	kW	4.8
Rated current (240 V)	A	20
Phases		1/N/PE
Activation flow rate	L/min	> 1.4 switch on
Max. operating pressure	kPa	1000
Temperature adjustment	°C	N/A
IP rating		24
Height/Width/Depth	mm	360/200/105

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.



# SAVE SPACE AND MAXIMISE RETURNS

## Decentralised Hot Water

Specifying an electric instantaneous hot water solution can unlock extra space, reduce energy use and the ongoing cost to residents. Compact and space saving the STIEBEL ELTRON range of instantaneous electric hot water systems can be conveniently placed close to the location of where hot water is required.



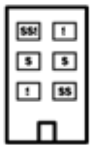
SAVE SPACE



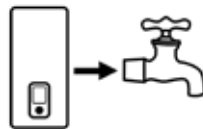
ON DEMAND SUPPLY



ENERGY SAVINGS



ACCURATE BILLS



POINT OF USE

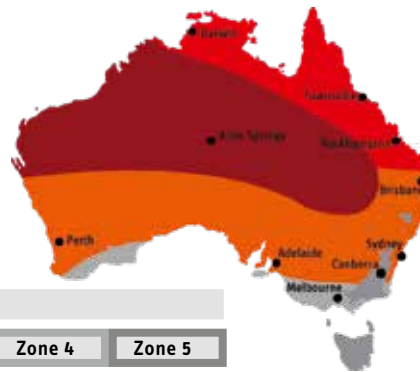


STAGED HANDOVER



# Electric instantaneous hot water – a matter of physics

Instantaneous water heaters by STIEBEL ELTRON use electricity to produce hot water. The power needed depends on the cold water inlet temperature as well as the desired water flow rate: a low cold water temperature combined with high flow rates require a more powerful appliance to heat water.



## COLD WATER INLET TEMPERATURE

5 Climate Zones in Australia

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Average Temperature (°C)	25	20	18	15	14

$$\text{TEMPERATURE RISE (°C)} = \frac{\text{kW rating} \times 14.3}{\text{flow rate (L/min)}}$$

The below chart shows the temperature rises that can be achieved by an electric instantaneous water heater based on its kW rating. To determine an approximate outlet temperature, add the below figure to the cold water temperature of your area. As a guide, the map on the top gives you an overview of Australia's cold water temperatures.

EXAMPLE: A DHE 18 AU with a rated output of 19.4 kW comes with a temperature rise of approximately 31°C at a flow rate of 9 L/min. Add 31°C to a cold water temperature of 15°C in Melbourne's winter, and you get an approximate outlet temperature of 46 °C.

## TEMPERATURE RISE CHART

Cold water temperature + temperature rise at certain flow rate = outlet temperature.  
Please note that the maximum outlet temperature of each model will never be exceeded.

Model	Rated Output	Flow Rate in L/min												
		1.5	2.5	3	4	4.5	5	6	7	8	9	10	11	12
DHE 18 AU	19.4 kW	60 °C	60 °C	60 °C	60 °C	55 °C	45 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DHE 27 AU	29.1 kW	60 °C	60 °C	60 °C	60 °C	60 °C	60 °C	59 °C	52 °C	46 °C	42 °C	38 °C	35 °C	32 °C
DEL 18 AU	19.4 kW	50 °C	50 °C	50 °C	50 °C	50 °C	46 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DEL 27 AU	28 kW	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	50 °C	44 °C	40 °C	36 °C	33 °C	31 °C
DHB-E 13 SLi	14.5 kW		60 °C	52 °C	46 °C	41 °C	35 °C	30 °C	26 °C	23 °C	21 °C	19 °C	17 °C	
DHB-E 13 AU	14.5 kW		50 °C	50 °C	46 °C	41 °C	35 °C	30 °C	26 °C	23 °C	21 °C	19 °C	17 °C	
DHB-E 18 AU	19.4 kW		60 °C	60 °C	60 °C	55 °C	45 °C	40 °C	35 °C	31 °C	28 °C	25 °C	23 °C	21 °C
DHB-E 27 AU	28 kW		60 °C	60 °C	60 °C	60 °C	60 °C	57 °C	50 °C	44 °C	40 °C	36 °C	33 °C	31 °C
SimpleX	13.2 kW					42 °C	38 °C	32 °C	27 °C	24 °C	21 °C			
DHF 13 C AU	14.2 kW		60 °C	51 °C	45 °C	41 °C	35 °C	29 °C	25 °C	23 °C				
DHF 15 C AU	16.1 kW		60 °C	58 °C	51 °C	46 °C	38 °C	33 °C	29 °C	26 °C				
DHCE 6/50	7.1 kW	50 °C	41 °C	34 °C	26 °C	23 °C	20 °C	17 °C	15 °C	13 °C	11 °C			
DHCE 8/50	9.5 kW	50 °C	50 °C	45 °C	34 °C	30 °C	27 °C	23 °C	19 °C	17 °C	15 °C			
DHCE 8/60	9.5 kW	60 °C	54 °C	45 °C	34 °C	30 °C	27 °C	23 °C	19 °C	17 °C	15 °C			
DHC 4	4.8 kW	46 °C	28 °C	23 °C	17 °C	15 °C	14 °C	12 °C						

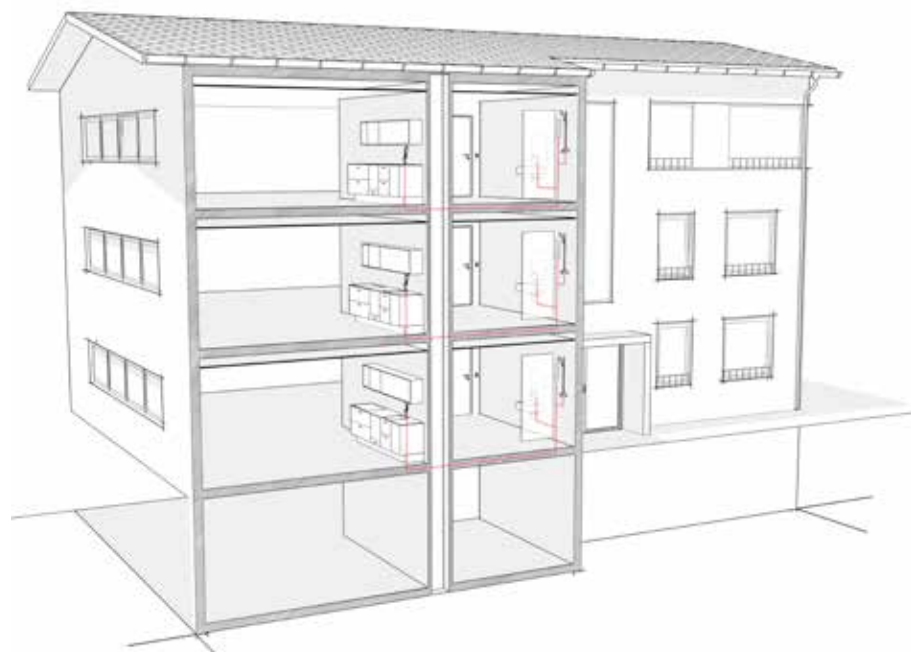
# Installation scenarios for instant hot water

The examples below help you to select the right STIEBEL unit depending on the number of fixture outlets that you wish to supply. Please note that each unit only uses the power necessary to meet the actual hot water demand. If you require further assistance, please free call our national service centre on 1800 153 351 to identify the right solution for you.

Have we sparked your interest? For further information visit [www.stiebel.com.au](http://www.stiebel.com.au) or call our service team on 1800 153 351.



Installation Scenarios	STIEBEL ELTRON Solution
Apartment with 1 bathroom	1 x DEL 18 AU
Apartment with 2 bathrooms	1 x DEL 27 AU
Small café, food outlet, office kitchen	1 x DHE 27 AU
Shopping centre bathrooms, office bathroom with 2 basins	1 x DHCE 8/50
Apartment with 1 bathroom and a bath tub	1 x DEL 27 AU
Apartment with 1 bathroom in Darwin	1 x DHCE 8/50



# Maximum DHW convenience in the smallest of spaces

Our high quality Germany made small storage water heaters from will impress anyone looking for maximum convenience with minimal fuss. They require little energy to reliably supply hot water. Innovative technology, in combination with excellent workmanship, produces high performance that sets the benchmark in this category.



# Convenient features found in our best compact storage water heaters

## Non-pressurised: SNU S

Non-pressurised DHW cylinders are suitable for supplying one individual draw-off point. These appliances can only be operated with a non-pressurised tap from STIEBEL ELTRON.

## Pressure-tested: SHC AU



For supplying one or more draw-off points, pressure-tested cylinders are suitable. They can be used in combination with all commercially available pressure tap fittings. A PTR-valve is required for these cylinders.

### EXCELLENT ENERGY EFFICIENCY

Our small water heaters achieve the excellent energy efficiency class A.



## COMPACT STORAGE WATER HEATERS

	Page 22	Page 24
		
	PREMIUM	PLUS
Model	SNU S	SHC AU
Energy efficiency class	A	A
Thermostop	■	
Anti-drip	■ [only SNU 5S]	
Supply of one   or more draw-off points	■   -	■   ■
Temperature	60-85 °C	60 °C
Cylinder capacity (litres)	5, 10	10, 15
Open vented taps (see page 23)	■	
Plug-in unit for electrical connection	■	■

# SNU S

## THE WORLD'S FIRST SMALL WATER HEATER WITH THERMOSTOP AND ANTI-DRIP FUNCTION

The SNU S series of electric compact storage water heaters sets new standards for technical equipment, efficiency and domestic hot water convenience. The SNU 5 S is the only small water heater to combine thermostop and anti-drip technology in one appliance.

### SNU 5S: anti-drip function

The anti-drip function prevents the tap dripping during heat-up. A specially designed reservoir with an expansion membrane was built into the cylinder for this purpose. During the heat-up phase, the excess water can enter this reservoir, thus saving water.

### Thermostop

Conventional small water heaters lose up to 0.4 kWh of energy per day just from the heat radiating from mixer taps. Appliances with thermostop prevent this leakage of heat with a U-bend-style trap, which breaks the thermal circulation to the tap. This means that thermostop also prevents the undesirable heating of the tap itself.

## Benefits of the SNU S

- › Made in Germany
- › The anti-drip function of the SNU 5S prevents dripping during heat-up, thus saving water
- › Point of use installation eliminates dead legs
- › Insulated design minimises heat losses for greater energy savings
- › Easy installation under the sink: no flue, ventilation or safe tray required
- › Plugs into a power point
- › To be installed with STIEBEL open vented tapware



	PREMIUM	
Model	SNU 5S 229467	SNU 10S 229468
Energy efficiency class	A	A
Rated capacity	L 5	10
Mixed water volume at 40 °C	L 10	19
Max. throughput	L/min 5	10
Connected load from/to	kW 2	2
Power supply	-/V/Hz 1/N/PE/230/50/60	1/N/PE/230/50/60
Available temperature range	°C 60 - 85	60 - 85
Standby energy consumption/24 h at 65 °C	kWh 0.20	0.32
Height/Width/Depth	mm 421/263/230	503/295/275

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

# TAPWARE

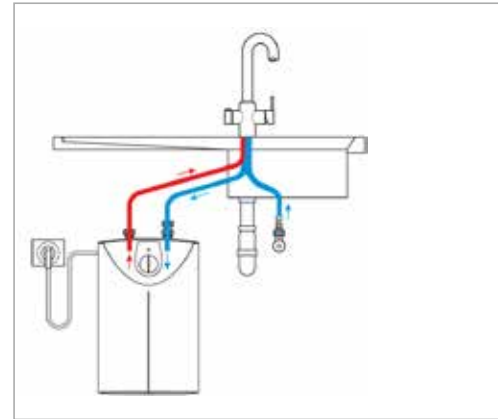
## OPEN VENTED TAPWARE SUITABLE FOR SNU S

The storage water heaters SNU S must be installed with open vented tapware. STIEBEL ELTRON offers a range of open vented sink mixers which are fitted with flow straighteners and 500 mm long hoses for connection to the SNU S. This means that all components are perfectly paired which helps to prolong their service life, the result being a solution that lasts and lasts.



### Unit installation – fitted with STIEBEL open vented sink mixer

The SNU S is designed for installation directly underneath the sink and must be fitted with one of the below open vented sink mixers. Easy to install, these systems operate on a standard 10 A 240 V GPO.



### Benefits of STIEBEL tapware

- › WaterMark approved
- › Maximum flow rate of 8 L/min
- › 500 mm long hoses



Model	Description
MES	Standard single lever sink mixer
MEW	Short spout single lever sink mixer
MES-A	Straight spout single lever sink mixer
MES-G	Gooseneck single lever sink mixer
Ext. Lever	Extended lever for MES and MEW
Cartridge MES / MEW	Replacement cartridge suitable for MES and MEW sink mixer
Cartridge MES-A / MES-G	Replacement cartridge suitable for MES-A and MES-G sink mixer
SNU 5S + MES	Kit SNU 5S (5 litre) + MES Standard single lever sink mixer
SNU 5S + MEW	Kit SNU 5S (5 litre) + MEW Short spout single lever sink mixer
SNU 5S + MES-A	Kit SNU 5S (5 litre) + MES-A Straight spout single lever sink mixer
SNU 5S + MES-G	Kit SNU 5S (5 litre) + MES-G Gooseneck single lever sink mixer
SNU 10S + MES	Kit SNU 10S (10 litre) + MES Standard single lever sink mixer
SNU 10S + MEW	Kit SNU 10S (10 litre) + MEW Short spout single lever sink mixer
SNU 10S + MES-A	Kit SNU 10S (10 litre) + MES-A Straight spout single lever sink mixer
SNU 10S + MES-G	Kit SNU 10S (10 litre) + MES-G Gooseneck single lever sink mixer



Note: Image used for display only. Must be installed as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.



# SHC AU

## MAINS PRESSURE COMPACT STORAGE WATER HEATER

The useful SHC AU compact storage water heater can supply several low-demand draw-off points. This pressure-tested appliance suits all commercial mains pressure taps and valves.

### Undersink installation saves energy and water

Undersink appliances heat water at the draw-off point. Reduced energy and water losses through short pipe runs. Thanks to high grade thermal insulation, losses from DHW circulation are eliminated while standby losses are reduced.

### Benefits of the SHC AU

- › Made in Germany
- › Domestic hot water without delay
- › Standard GPO 6.5 A 230 V connection
- › Insulated design minimises heat losses
- › Premium quality enameled steel tanks manufactured by STIEBEL ELTRON
- › Wall bracket allows for flexible installation
- › Compact design for concealed and space saving under sink installation
- › Smallest 10 and 15 L units on the market

SHC 10 AU



Model	PLUS	
	SHC 10 AU 235002	SHC 15 AU 235001
Energy efficiency class	A	A
Rated capacity	L 10	15
Mixed water volume at 40 °C	L 15.3	23
Power supply	-/V/Hz 1/N/PE/220-240/50/60	1/N/PE/220-240/50/60
Temperature, not adjustable	°C 60	60
Standby energy consumption/ 24 h at 65 °C	kWh 0.5	0.53
Height/Width/Depth	mm 430/280/270	452/320/318
Dimensions incl. PTR-valve	mm 498/280/270	523/320/318

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

# WWK 222/302 (H)

## CREATE ENERGY EFFICIENT DOMESTIC HOT WATER WITH A HEAT PUMP

Where domestic hot water heating from renewable sources is concerned, STIEBEL ELTRON's domestic hot water heat pumps offer a convenient solution.



- GERMAN ENGINEERED**  
PREMIUM QUALITY PARTS & DESIGN
- COP 3.94**  
averages 3.94  
1 kWh ENERGY GENERATES ~4 kWh HEAT
- SOLAR PV READY**  
FUTURE PROOF TO CONNECT TO SOLAR PV
- EASIER TRANSPORT**  
HORIZONTAL TRANSPORT AND QUICK INSTALLATION
- 2 TANK SIZES**  
220 & 302 litres  
HIGH VOLUME OF HOT WATER
- LONG LIFE FOR CYLINDER**  
MAINTENANCE FREE ANODE TECHNOLOGY
- UP TO 74% ENERGY SAVING**  
COMPARED TO ELECTRIC STORAGE

“Saving energy and lowering my running costs for hot water is important. With a heat pump from STIEBEL ELTRON I enjoy the benefits of energy efficient hot water – even when the sun isn’t shining.”

# Easy and inexpensive heat out of thin air

STIEBEL ELTRON's premium domestic hot water heat pumps use free natural energy from the air to create hot water. They provide an energy-efficient, environmentally responsible solution for year-round generation of hot water using minimal energy.

## EXCELLENT ENERGY EFFICIENCY

Our DHW heat pumps fit into the highest energy efficiency class.

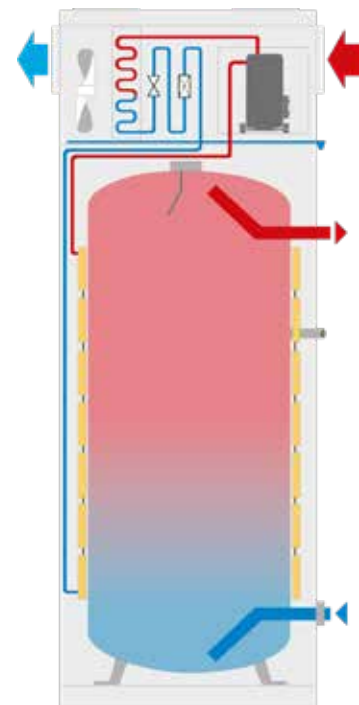
ENERGY  
EFFICIENCY

A+

## Green, energy efficient hot water

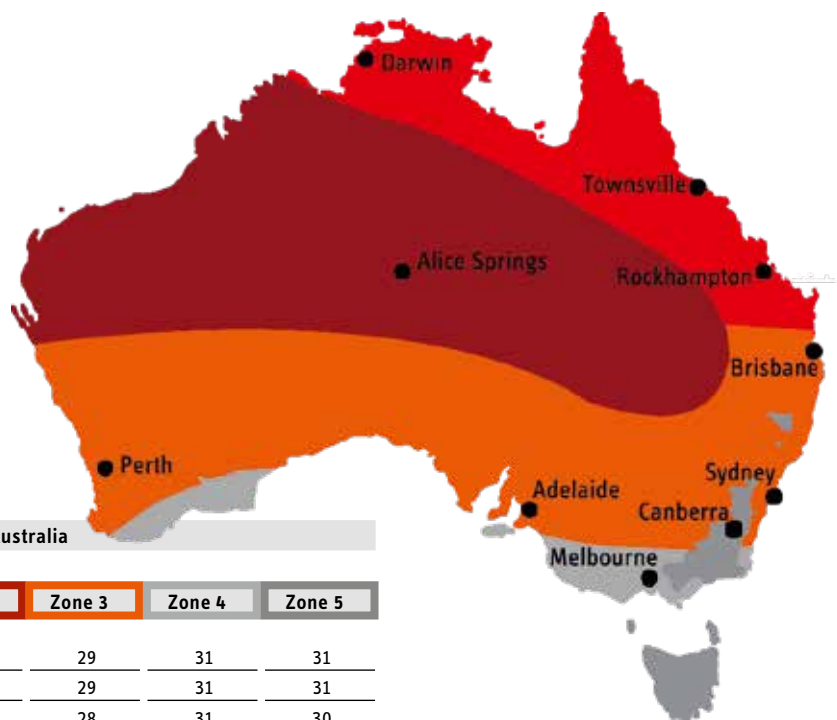
1. A fan draws air through an evaporator. Thermal energy within the air is transferred to a liquid refrigerant causing it to change into gas.
2. The refrigerant gas is then drawn into a compressor which increases the pressure and, as a result, increases the temperature.
3. A condenser (heat exchanger) then transports gaseous refrigerant around the outside of the water cylinder. This heats the water inside and the gaseous refrigerant reverts back into a liquid.
4. The pressure of the refrigerant is reduced as it goes through an expansion valve and returns to the evaporator for the process to start all over again.

Hot Water Heat Pump



# Government incentives for small-scale renewable energy systems

Rebates and financial incentives are offered Australia-wide at a federal and state level for using hot water heaters which are powered by renewable energy. Additional rebates may be available from state governments or local councils, depending on the type of water heater that is being replaced as well as the new system being installed.



## Five STC Zones in Australia

STCs per zone across Australia

Model	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
WWK 222	25	26	29	31	31
WWK 222H	25	26	29	31	31
WWK 302	24	25	28	31	30
WWK 302H	24	25	28	30	30

The table above outlines the number of small-scale technology certificates (STCs) eligible in each of the five zones across Australia for STIEBEL ELTRON's hot water heat pumps. At time of printing, each STC is valued approximately \$35, adding up to an incentive of up to \$1,085.

Financial incentives: \$35\* x 31 STCs  
= \$1,085

\*1 STC valued at approx. \$35 at time of printing.  
For further details, please call 1800 153 351.

# WWK 222/302 (H)

## FIRST-CLASS DHW CONVENIENCE FROM RIGHT OUTSIDE

The WWK 222 (H) and the WWK 302 (H) are compact domestic hot water heat pumps designed specifically for outdoor installation in Australia to supply domestic hot water to several draw-off points. Our heat pumps utilise the energy in the air to create environmentally friendly hot water all year round.

### Future-proof investment

The high quality materials include a maintenance-free impressed current anode, ensuring a long service life in hard and soft water areas. The built-in contact enables the integration of a photovoltaic system to utilise solar power generated on site and store thermal energy.



## Benefits of the WWK

- › Engineered by Germany's market leader
- › Designed for Australian conditions
- › Active defrost function ensures energy-efficient operation in cold climates down to  $-5^{\circ}\text{C}$
- › Connects to Solar PV – automatically increases tank temperature during peak solar production\*
- › High operational reliability and long service life due to impressed current anode
- › Eligible for generous government rebates
- › Quiet operation due to encased compressor
- › Can be installed indoors with a clear space of  $13\text{ m}^3$
- › H-models come with 1.7 kW smart element



WWK 302 H



Model	PREMIUM				
	WWK 222 231209	WWK 222 H 233209	WWK 302 231211	WWK 302 H 232905	
Power consumption (EN16147   A15)	kW	0.55	0.55	0.55	0.55
Power consumption smart element	kW	N/A	1.7	N/A	1.7
Rated voltage	V	240	240	240	240
Rated current	Amp	10	10	10	10
Rated capacity	l	220	220	302	302
Max. DHW temperature with heat pump	$^{\circ}\text{C}$	65	65	65	65
Set DHW temperature	$^{\circ}\text{C}$	61	61	61	61
Maximum available nominal amount of hot water at $40^{\circ}\text{C}$	l	360	360	540	540
Heat source min./max. application limits	$^{\circ}\text{C}$	$-5/+42$	$-5/+42$	$-5/+42$	$-5/+42$
Refrigerant		R134a	R134a	R134a	R134a
Refrigerant capacity	kg	0.85	0.85	0.85	0.85
COP (seasonal average COP for AU)		3.94	3.94	3.58	3.58
Height	mm	1553-1569	1553-1569	1921-1937	1921-1937
Diameter	mm	690	690	690	690
Weight (empty   filled)	kg	120   340	120   340	135   437	135   437

\*Selected inverter required. Check installation manual for details or call 1800 153 351.

Note: Installation requirements as per AS/NZS3000 and AS/NZS3500.4.2 as well as local requirements.

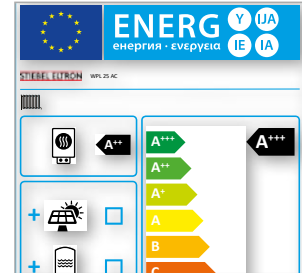
# HEAT PUMPS

## RENEWABLE SOLUTIONS FOR HEATING YOUR HOME

STIEBEL ELTRON offers solutions that can help to drastically reduce energy consumption. The use of intelligent technology in combination with renewables allows us to become largely independent of finite resources, such as natural gas and coal. Various types of heat pumps are available, depending on whether you want to use outdoor air or the ground (geothermal) as a heat source.

### Energy Label for heating heat pumps

The rating system for heating heat pumps categorises them into nine efficiency classes. A++ is the highest energy efficiency class. G denotes appliances with extremely poor values. All STIEBEL ELTRON heating heat pumps are already in the top rating category, i.e. classes A to A++.



reddot design award  
winner 2008

DESIGN PLUS

## How a heat pump works

1. The heat pump is a thermodynamic heating system. It can be used to convert environmental energy into heat for your home.
2. The heat which is drawn from either water, the ground, outdoor air or extract air first passes through an evaporator and is then fed, via a condenser, into the heating system.
3. Approximately five parts environmental energy and one part electrical energy are provided as heating energy.
4. Electrical energy is required to “pump” the environmental energy, which is at a low level of  $-20\text{ }^{\circ}\text{C}$  to  $+35\text{ }^{\circ}\text{C}$  (air), to a temperature level suitable for heating.



## Ground source heat pumps (geothermal)

- › High seasonal performance factor
- › COP and heating output consistent throughout the seasons
- › No defrosting of evaporator required in cold climates
- › Groundworks required during the installation of the heat pump for geothermal collector or probe

# GEO THERMAL

## Harvesting the heat potential of your property

Even when it's freezing outside, temperature levels remain constant deep below the ground. Our advanced ground source heat pumps leverage this phenomenon and are among the few that achieve a COP of up to 5. Even at temperatures below 0°C, from one part electricity they still generate up to five parts heat. Since probes go deep underground, the space taken up by the drilled holes on the surface is minimal.



# HEAT PUMPS

THE AIR IS FULL OF ENERGY

Outdoor air is supplied to the air source heat pump – installed either indoors or outdoors – via flexible hoses and a quiet fan. A heat exchanger extracts the latent energy from the air which is converted by the heat pump into useful heat for your home. Even at icy temperatures as low as  $-20^{\circ}\text{C}$ , the air source heat pump still operates efficiently and economically, all while maintaining an impressive COP. Very high flow temperatures can also still be achieved without backup from a booster heater.

## Air source heat pumps

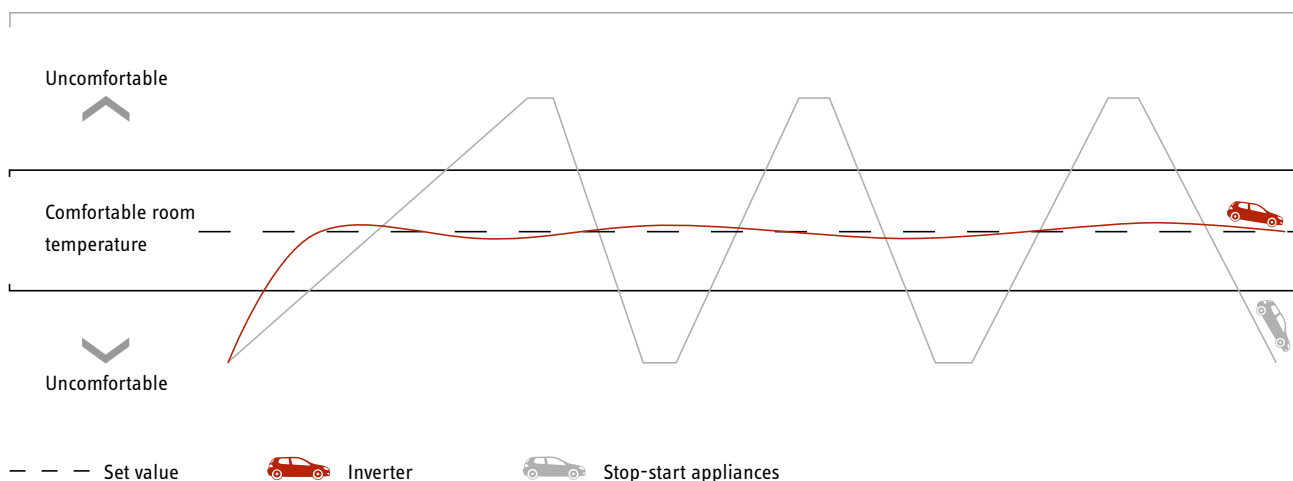
- › Continuous output matching
- › Higher efficiency in the partial load range
- › Very quiet
- › High-end technology made by STIEBEL ELTRON
- › Wide application range down to  $-20^{\circ}\text{C}$
- › Improved efficiency and heating output



### Metered output – full efficiency

If cars only had two operating modes, i.e. full power or full braking, that would be neither comfortable nor efficient. Conventional heat pumps still operate just like that, as they are either on or off. This is where STIEBEL ELTRON air source heat pumps with inverter technology come into their own. They always deliver precisely the output that is currently required. Not only is this more energy efficient, it also reduces noise emissions during spring and autumn. This is because the fan and compressor operate, on average, with a lower output and are consequently even more quiet than usual.

Comparison of inverter technology





# AIR-SOURCE

Have we sparked your interest? For technical details and further information, please free call a STIEBEL expert on 1800 153 351.



# VENTILATION

## FRESH HEALTHY INDOOR AIR WITH ALL THE SAVINGS

STIEBEL ELTRON offers innovative ventilation systems with heat recovery to provide healthy indoor air and energy savings – either centralised or decentralised.

STIEBEL ELTRON's range of centralised ventilation systems provide whole-house ventilation with up to 90% heat recovery. These ventilation systems are particularly appropriate for new buildings or comprehensive renovation projects. Their advantages lie in whole-house ventilation through one central system. A range of ducting options can ventilate the whole home with either subfloor, in-ceiling or in-wall ducting. Decentralised options are also available and are ideal for retrofit as these systems can easily be installed through external walls. Our decentralised systems are ideal for areas where there is humidity and mould issues as they have minimal installation requirements.



# Ventilation – the path to energy savings & healthy indoor air

There is an ever-increasing demand for better building design that lowers household energy usage and costs. As building constructions become more airtight, ventilation is necessary to provide adequate air exchange to reduce humidity, remove pollutants and create a healthy indoor environment.

## Benefits of STIEBEL's ventilation range

- › Protects the building structure by preventing mould and excess moisture
- › Reduces heating and cooling energy costs
- › Quiet operation
- › Filters fresh outdoor air and removes pollutants from the living areas
- › Up to 90% heat recovery
- › LWZ 170 E PLUS certified passive house component
- › STIEBEL ELTRON planning and design service for centralised ventilation systems

Decentralised: LT-50



Centralised: LWZ 170 E PLUS &amp; LWZ 370 PLUS

## VENTILATION SYSTEMS

	Decentralised	Centralised		
				
	TREND	PLUS	PREMIUM	PREMIUM
Model	LT-50	LWZ 70 E	LWZ 170 E PLUS	LWZ 370 PLUS
Installed in pairs	■			
Up to 90% heat recovery	■		■	■
Air flow rates m <sup>3</sup> /h	54 (Position III)	70–150	100–300	100–400
Ideal for apartments	■	■		
Ideal for houses	■		■	■
Bypass function	■		■	■





“I don’t always have time to pursue my hobbies. I just have to grab the opportunity when it arises. Luckily, today is one of those days. So, after work, I get changed, turn on the direct heater and get started. It soon gets warm, and then I can really get into it.”

# Direct heaters – cosy warmth exactly when it's needed

You'd like your bathroom a little warmer in the morning? That's one of the jobs a direct heater is best for. All you need for this additional comforting warmth is a power outlet. With minimal investment, appropriate appliances can create a pleasant atmosphere that you will soon not want to be without!

Have we sparked your interest? For further information see [www.stiebel.com.au](http://www.stiebel.com.au) or consult your local trade partner.



	CONVECTION	FAN ASSISTED
	Page 38	Page 39
		
	TREND	PREMIUM
Model	CNS	CK 20S CKZ 20S
Connected load/ heating output	1000– 2400 W	2000 W
Temperature control (mechanical   electronic)	■   –	■   –
Fan		■
Wall mounted	■	■
IP rating	IP24	IP13 B

# CNS

## HEATING SHOULD NOT BE A QUESTION OF SPACE

Sometimes there's just not much room – even for a heater. That is why the CNS wall convector is very slimline. At only 10 cm deep, it generates excellent levels of thermal comfort, while preserving a sense of spaciousness. By means of its wall mounting bracket, it can be easily installed in almost any location.

### Ideal for Asthma and allergy sufferers

The CNS is a convector heater which spreads the warmth evenly across the room without using a fan, and thus operating silently. This makes it a perfect room heater for those suffering from Asthma and allergies.



## Benefits of the CNS

- › Slimline design
- › Even temperature distribution
- › Robust construction for long service life
- › Easy and quick installation
- › Silent operation, ideal for bedrooms

CNS 100



### TREND

Model	CNS 100	CNS 150	CNS 200	CNS 250
	<b>220734</b>	<b>220735</b>	<b>220736</b>	<b>220737</b>
Connected load	W 1000	1500	2000	2400
Power connection	1/N/PE~230-240 V	1/N/PE~230-240 V	1/N/PE~230-240 V	1/N/PE~230-240 V
Temperature range	°C 6-30	6-30	6-30	6-30
Height	mm 450	450	450	450
Width	mm 440	590	740	890
Depth	mm 78 + wall bracket (22 mm)	78 + wall bracket (22 mm)	78 + wall bracket (22 mm)	78 + wall bracket (22 mm)
Weight	kg 4.2	5.6	7.0	8.4
IP-Rating	IP24	IP24	IP24	IP24
Colour	white	white	white	white

# CK(7) 20S

## COMPACT AND POWERFUL FOR RAPID HEATING

With its unobtrusive design and high heating output, the CK 20S series of fan assisted heater is perfect for rooms that need to be heated quickly and for short periods.

### The quietest in their class

With their tangential fans, STIEBEL ELTRON fan assisted heaters are among the quietest in their class. The CKZ 20 S can also provide heat according to a schedule, as it is equipped with a 24 hour quartz time switch.

### Benefits of the CK 20S range

- › Extremely fast fan assisted heating
- › Small footprint
- › Variable temperature control
- › Ideal for bathrooms
- › Made in Germany

		PREMIUM	
Model		CK 20 S 71793	CKZ 20 S 71795
Connected load	W	2000	2000
Power connection		1/N/PE~230-240 V	1/N/PE~230-240 V
Temperature adjustment range	°C	~6-30	~6-30
24 hour quartz time switch		-	■
Height	mm	460	460
Width	mm	335	335
Depth	mm	123	123
Weight	kg	4.4	4.4
IP-Rating		IP13B	IP13B
Colour		white	white

CKZ 20 S





“I recently purchased my own home, and I don’t want to buy plastic water bottles as this creates unnecessary waste. STIEBEL ELTRON’s filter system is the perfect solution for clean, convenient water. The best thing is, it’s water I can trust.”



# STREAM

## STIEBEL ELTRON WATER FILTRATION DOWN TO 0.01 MICRON

The STIEBEL ELTRON water filter systems provide great tasting water. Designed to remove particles as small as an amazing 0.01 micron, the Stream provides clear, crisp and clean water.



Stream 4

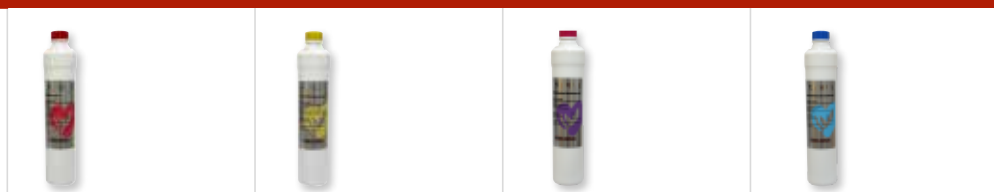
### Benefits for your home

- › Simple push and click cartridge and colour code for easy replacement
- › Compact 10 inch cartridges take up less space under the sink
- › Automatic shut-off to prevent water leakage
- › Long life filter cartridges last for up to 2,160 litres



		PLUS	
Model		Stream 3	Stream 4
		<b>222306</b>	<b>222308</b>
Height	mm	315.25	315.25
Width	mm	222.75	290.5
Depth	mm	90.5	90.5
Installation		Under sink	Under sink
Max. operating pressure	kPa	350	350

### FILTER CARTRIDGES



	RED	YELLOW	PURPLE	BLUE
--	-----	--------	--------	------

Model	Sediment	Activated Carbon Block	Ultra-Filtration Membrane	Activated Granular Carbon
Filtered materials	rust sediments mud	bad taste & odours chlorine THMs & VOCs pesticides herbicides heavy metals	bacteria cysts algae	heavy metals and additional odours which occur in the filtration process
Size of filtered particles	>1 micron	>0.5 micron	>0.01 micron	



## FOR US, QUALITY IS THE NORM

### ISO 9001

We plan our business processes in accordance with the requirements of the quality-management standard.

### ISO 14001

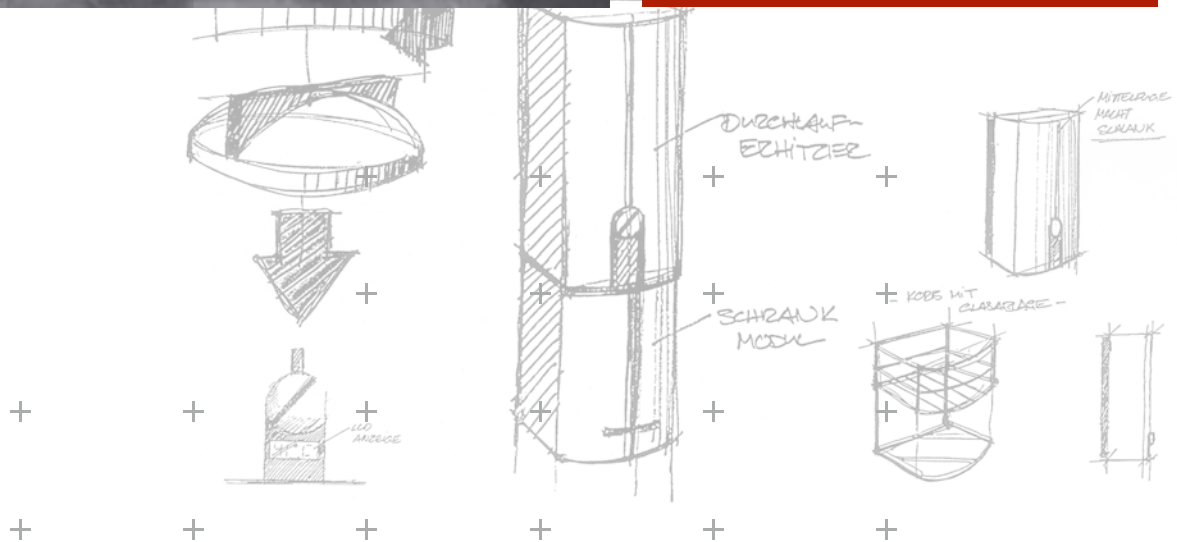
STIEBEL ELTRON undergoes a continuous optimisation process in line with the environmental management standard.

### ISO 50001

We consistently record and manage the energy flows in the company in order to sustainably reduce consumption.

### BS OHSAS 18001

STIEBEL ELTRON works in line with this occupational health and safety management system.



## MARKET QUALITY

STIEBEL ELTRON is active in over 120 countries – and this number is rising. This also means dealing with a wide variety of climatic and legal requirements, as well as building types and customer needs. Our commitment is the same everywhere: we see ourselves as a partner in the local market and act according to local requirements. In order to do so, we develop products that suit the respective market and living conditions of the local population – for the success of our partners and the satisfaction of our customers.



## MANUFACTURING QUALITY

Our success story is closely linked to our high-quality workmanship. All over the world we rely on German engineering skills. Because the best solutions are created in a traditional environment characterised by top-class engineering and highly qualified workers. After all, the only way to become a technology pioneer is if the technology itself is pioneering.

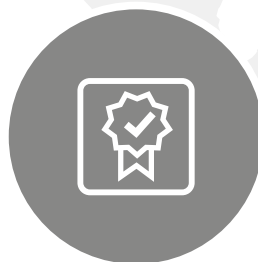


# STIEBEL ELTRON



## ENTERPRISING QUALITY

As an owner-managed company in Germany, we have very high standards when it comes to compliance and conduct. Our strict Code of Conduct and our leadership guidelines give us a clear focus – with regards to ethics, collaborations, partnerships and our products. The regularly verified ISO certifications confirm that our high quality standards apply throughout our company and are firmly rooted in it.



## PRODUCT QUALITY

A precise interplay of all aspects is required to create what defines us: high-quality, durable products that meet all modern requirements, as well as the requirements of the respective country, our customers and partners. Because with the brand STIEBEL ELTRON, our customers buy first-class reliability – and fast service in the unlikely event that a product does not run perfectly.

Your local trade partner:

Have we sparked your interest? For further information visit [www.stiebel.com.au](http://www.stiebel.com.au) or call our service team on 1800 153 351.



STIEBEL ELTRON (Aust) Pty Ltd  
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