

STIEBEL ELTRON

Comfort through Technology

Product highlights and innovations

TRADE PARTNER

New developments 2020

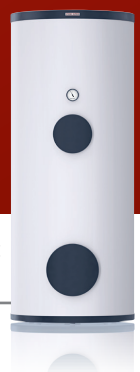
CONVENIENT:
DHE

POWERFUL AND
HIGHLY EFFICIENT



FOR IDEAL COMBINATIONS:
SBB PLUS

STORE DHW
WITHOUT LOSSES



STIEBEL ELTRON is full of energy

As a family company driven by innovation, throughout product development and manufacture we maintain a clear focus on environmentally responsible, efficient and convenient building services for your home. Because we're full of energy and ready to shape the future!

**The future belongs to
environmentally responsible and
efficient building services.**

Since 1924 we have been developing highly efficient products and maintain a clear focus on electricity as our primary energy source. Electricity which nowadays is increasingly obtained from renewables.

We rely on approximately 3700 employees around the world and their expertise at every stage of development – from the initial design, right through to the manufacture of the final product. The result – efficient and innovative solutions for domestic hot water, heat, ventilation and cooling. With our extensive product range, we always have the right option to prepare your home for the demands of the future – today.

At our head office in Holzminden, Germany, we have also established a clear focus on green technology – with the Energy Campus, our flagship project for sustainable construction which makes careful use of resources. This training and communication centre brings together high quality architecture and communication technology. And as a Plus Energy building, it generates more energy than it consumes. This is in keeping with our brand promise "Full of energy" and creates a space where the spirit of STIEBEL ELTRON can be experienced both in theory and practice.



THREE PRODUCT CATEGORIES AND
UNMISTAKABLE QUALITY STANDARDS:
STIEBEL ELTRON

We are constantly expanding our product range to make it both more specialised and diverse. It goes without saying that at STIEBEL ELTRON, we've thought long and hard about how to make life easier for our trade partners in their various markets. In order to provide as straightforward a guide as possible to our products, we have grouped them into three categories.

PREMIUM

PLUS

TREND

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DHE comfort instantaneous water heater – high tech and easy to operate

High tech for guaranteed accurate temperature delivery

The DHE comfort instantaneous water heater from STIEBEL ELTRON guarantees high energy efficiency. Full electronic output control with 4i technology enables not only energy and water savings of up to 30 %, but also accurate temperature delivery – at all times. The temperature is continuously adjustable from 20 to 60 °C. Using preheated water from a DHW heat pump or solar thermal system, for example, further improves the energy balance.

The large, backlit multifunction display and extremely handy new operating dial ensure excellent operating convenience. In addition to energy and water consumption displays, a wide range of other functions are available, such as temperature limit, automated bath filling and operating lock features. The two memory buttons can be assigned individual temperatures. Thanks to the rotatable appliance cover and programming unit, even appliances installed undersink can be operated with ease.

DHE

- › Full electronic output control with 4i technology for maximum energy efficiency and accurate temperature delivery at all times
- › Display of consumption for optimum cost transparency
- › ECO mode for extra energy savings
- › Two memory buttons for direct temperature selection
- › Extensive range of convenience and safety functions
- › Profi-Rapid and Profi-Direct – the innovative installation and service concept
- › Selectable output 18/21/24 kW in a single appliance
- › Suitable for reheating preheated water
- › Rotatable appliance cover and programming unit for increased operating convenience on undersink installations



DHE

Model	PREMIUM	
	DHE 18/21/24	DHE 27
	202656	202657
Energy efficiency class	A	A
Rated output	kW 18/21/24	27
Rated current	A 29/31/35	39
Fuses	A 32/32/35	40
Electrical connection	-/V/Hz 3/PE/400/50/60	3/PE/400/50/-
Height	mm 466	466
Width	mm 225	225
Depth	mm 116	116
IP-Rating	IP25	IP25



SBB Plus DHW cylinder – efficiency that meets high demands

A good combination for excellent DHW supply

SBB Plus DHW cylinders are suitable for combination with our heating heat pumps and are particularly impressive on account of their application range: depending on the nominal capacity and heat exchanger surface area, the cylinders can be used in detached houses, two-family houses and apartment buildings. Their equipment features make them the ideal choice for combination with inverter heat pumps.

Their efficient operation due to low standby losses and matched inlet and outlet technology is also noteworthy. The appliance carries an ErP rating of B. The magnesium anode provides additional corrosion protection for the enamelled steel cylinder. The heat exchanger surface areas are precisely matched to the DHW performance of the recommended heat pump types.

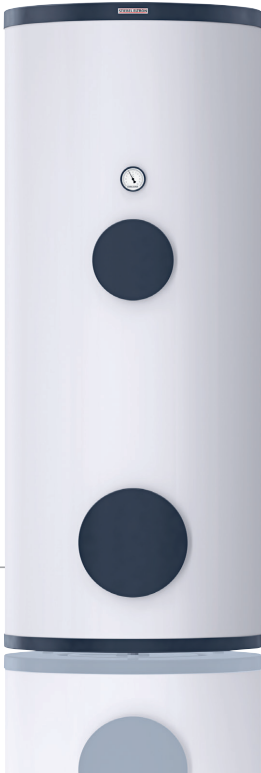
SBB Plus

- › DHW cylinder for combination with heating heat pumps
- › Low standby losses and matched inlet and outlet technology for efficient operation
- › Heat exchanger surface areas optimised for the DHW performance of the recommended heat pump types
- › Integral corrosion protection
- › Available in 300, 400 or 500 litre version depending on the DHW demand



SBB 300-1 Plus

Model	PLUS		
	SBB 300-1 Plus	SBB 400-1 Plus	SBB 500-1 Plus
	202487	202488	202489
Rated capacity	314	418	522
Energy efficiency class	B	B	B
Standby energy consumption/ 24 h at 65 °C	kWh 1.7	1.8	1.9
Surface, indirect coil, top	m² 2.0	2.6	3.2
Max. permissible pressure	MPa 1	1	1
Height	mm 1619	1799	1904
Diameter incl. thermal insulation	mm 650	730	780
Weight (dry)	kg 111	139	182



LA 70 ventilation unit – decentralised ventilation with compact dimensions

Install once – adjust functionality at any time

The LA 70 is the new extractor used to ventilate extract air areas that have an external wall. With its 230 V or 12 V (SELV) motor, the appliance is suitable for different safety zones in bathrooms and sanitary facilities. The fan unit comes in different versions that can be installed in walls or ceilings. The round fan additionally enables rapid installation on the extract air duct.

The modular structure with replaceable control module also provides useful flexibility when selecting the functionality of the extractor unit. The fan unit can be optionally controlled based on time or humidity. Even subsequent functional modifications are possible. Furthermore, the iris shutter opens and closes automatically, preventing outdoor air flowing in when not required and reducing noise pollution from outside.

LA 70

- › Extractor for duct connection
- › Suitable for installation in walls and ceilings
- › Time and humidity control
- › Replaceable control module enables subsequent functional modifications
- › Iris shutter in the internal panel prevents unwanted inflow of outdoor air and reduces noise pollution from outside
- › 230 V or 12 V fan unit for different safety zones in bathrooms and sanitary facilities

		TREND	
Model		LA 70 VE-U	LA 70 VE-U 12
		237109	237110
Power consumption	W	9	8
Air flow rate	m³/h	68	79
Height	mm	197	197
Width	mm	197	197
Depth	mm	108	108
Weight	kg	0.9	0.9

Controller and external grille must be ordered separately.

Fan unit



External grille



Controller



EAC and ZSE controllers – highly functional and modular

Further optimisation of storage heater operation

Our new accessories make STIEBEL ELTRON storage heaters even more accurate and thus all the more efficient. The EAC 5 weather-compensated charge controller automatically calculates the required charge based on the outside temperature. It thus ensures economic and convenient operation of storage heaters. In addition to the basic functions of a charge controller, the EAC 5 also has additional features that boost convenience in the home and lower energy consumption. It can be used with all charging models specified by power supply utilities and is both easy and quick to configure thanks to the graphic touchscreen.

The new ZSE 5 group controller has been designed to adjust the central control signal to suit different requirements in individual residential units. This accessory is suitable for apartment buildings with a central charge controller. Both the ZSE 5 group controller and EAC 5 charge controller are installed in the distribution board.



EAC 5 controller

EAC 5

- › Accessory for storage heaters
- › Can be used for all power supply conditions
- › Various operating modes and programmable seven-day program
- › Illuminated graphic touchscreen for easy operation
- › Intelligent, self-learning control program for long enable times

ZSE 5

- › Accessory for storage heater systems in apartment buildings
- › Adjusts the central control signal for individual apartments
- › Suitable for all duty cycles

ZSE 5



STIEBEL ELTRON is represented in over 120 countries worldwide

STIEBEL ELTRON have a policy of continuous improvement; we therefore reserve the right to alter specifications and prices without notice. The information contained in this brochure is correct at the time of going to press, but you are advised to consult your dealer or the company before purchasing. Although every care has been taken in the reproduction of product finishes in this brochure, the photographs should only be taken as a guide.

Australia

STIEBEL ELTRON Australia Pty Ltd
294 Salmon Street
Port Melbourne VIC 3207
Tel +61 3 9644 5013 | Fax +61 3 9644 5091
info@stiebel.com.au
www.stiebel.com.au

Austria

STIEBEL ELTRON GmbH
Margaritenstraße 4 A
4063 Hörsching bei Linz
Tel +43 7221 74600-0 | Fax +43 7221 74600-42
office@stiebel-eltron.at
www.stiebel-eltron.at

Belgium

STIEBEL ELTRON bvba/sprl
't Hofveld 6 - D1
1702 Groot-Bijgaarden
Tel +32 2 423 22 22 | Fax +32 2 423 22 12
info@stiebel-eltron.be
www.stiebel-eltron.be

China

STIEBEL ELTRON (Tianjin)
Electric Appliance Co., Ltd
C3 XEDA International Industry City
Xiqing Economic Development Area
300385, Tianjin
Tel +86 22 8396 2077
info@stiebel-eltron.cn
www.stiebel-eltron.cn

Czech Republic

STIEBEL ELTRON spol. s r.o.
Dopraváků 749/3
184 00 Praha 8
Tel +420 251 116 111 | Fax +420 251 116 122
info@stiebel-eltron.cz
www.stiebel-eltron.cz

France

STIEBEL ELTRON S.A.S
7-9 | rue des Selliers | B.P. 85107
57073 Metz | Cedex 3
Tel +33 387 743888 | Fax +33 387 759610
info@stiebel-eltron.fr
www.stiebel-eltron.fr

Hungary

STIEBEL ELTRON Kft.
Gyár u. 2. | 2040 Budaörs
Tel +36-1 250-6055 | Fax +36-1 368-8097
info@stiebel-eltron.hu
www.stiebel-eltron.hu

India

STIEBEL ELTRON India pvt Ltd
704, Phoenix East Court | Viman Nagar
Pune 411014 | Maharashtra
Tel +91 20 67480909
info@stiebel-eltron.in
www.stiebel-eltron.in

Japan

NIHON STIEBEL Co. Ltd
Kowa Kawasaki Nishiguchi Building 8F
66-2 Horikawa-Cho
Saiwai-Ku 212-0013 Kawasaki
Tel +81 44 54032 00 | Fax +81 44 54032 10
info@nihonstiebel.co.jp
www.nihonstiebel.co.jp

Netherlands

STIEBEL ELTRON Nederland B.V.
Daviottenweg 36 | 5222 BH 's-Hertogenbosch
Tel +31 73 623 0000 | Fax +31 73 623 1141
info@stiebel-eltron.nl
www.stiebel-eltron.nl

New Zealand

STIEBEL ELTRON NZ Limited
Unit 2/13 Barrys Point Road
Takapuna Auckland 0622
Tel +64 9 486 2221 | Fax +64 9 489 9550
info@stiebel.co.nz
www.stiebel.co.nz

Poland

STIEBEL ELTRON Polska Sp. z o. o.
ul. Działkowa 2
02-234 Warszawa
Tel +48 22 609-20-30 | Fax +48 22 609-20-29
biuro@stiebel-eltron.pl
www.stiebel-eltron.pl

Slovakia

TATRAMAT – ohrievače vody, s. r. o.
Hlavná 1 | 058 01 Poprad
Tel +421 52 7127 151 | Fax +421 52 7127 148
info@stiebel-eltron.sk
www.stiebel-eltron.sk

South Africa

STIEBEL ELTRON Southern Africa (PYT) Ltd
30 Archimedes Road | Wendywood
Johannesburg | 2090
Tel +27 10 001 85 47 | Fax +27 87 255 92 88
info@stiebel-eltron.co.za
www.stiebel-eltron.co.za

Switzerland

STIEBEL ELTRON AG
Industrie West | Gass 8 | 5242 Lupfig
Tel +41 56 464 05 00
info@stiebel-eltron.ch
www.stiebel-eltron.ch

Thailand

STIEBEL ELTRON Asia Ltd
469 Moo 2 | Tambol Klong-Jik
Amphur Bangpa-In | Ayutthaya 13160
Tel +66 35 22 0088 and +66 35 90 5000
Fax +66 35 22 1188
info@stiebeleltronasia.com
www.stiebeleltronasia.com

United Kingdom

STIEBEL ELTRON UK Ltd
Unit 12 Stadium Court | Stadium Road
Bromborough Wirral CH62 3RP
Tel +44 151 346 2300 | Fax +44 151 334 2913
info@stiebel-eltron.co.uk
www.stiebel-eltron.co.uk

United States of America

STIEBEL ELTRON Inc.
17 West Street | West Hatfield
Massachusetts 01088
Tel +1 413 247 3380 | Fax +1 413 247 3369
info@stiebel-eltron-usa.com
www.stiebel-eltron-usa.com

STIEBEL ELTRON International GmbH

Dr.-Stiebel-Strasse 33 | 37603 Holzminden | Germany

Tel. +49 5531 7020 | Fax +49 5531 70295479

Email info@stiebel-eltron.com | www.stiebel-eltron.com