

Heatrae Sadia Electromax

Combined electric flow boiler and direct unvented hot water cylinder

An all-in-one boiler and 180 litre cylinder system, the Electromax provides fast, reliable heat and hot water to small homes not on mains gas, as well as rented social accommodation. Pre-plumbed with a circulating pump, it's easy to install in a standard airing cupboard and comes with smart, user-friendly comfort controls.



**RAPID
HEAT-UP
TIME**



**10 YEARS'
CYLINDER
WARRANTY***



**HIGH
EFFICIENCY**



Versatile

- Available in outputs of 6 or 9kW
- Delivers mains pressure showering, fast filling baths and a balanced supply to multiple tap outlets
- Compatible for radiator or underfloor heating systems

Easy to install

- Integrated boiler and cylinder system that's easy to install in locations where space is limited

Efficient

- Flue-free and 99.8% efficient
- One-hour booster can heat 57 litres of water
- Energy-saving economy controller built in

User-friendly

- Water temperature output controllable from the boiler
- Integrated TP5000 and TP9000 controllers
- Soft-start and zero-volt switching to avoid power surges

Reliable

- Built with solid state technology for a longer life
- Floor-mounted, duplex stainless steel cylinder construction
- Fully factory tested for reliability, quality and safety
- Expertly manufactured in the UK by a trusted brand with over 150 years' experience
- The cylinder is covered with a 10-year warranty, including parts and labour
- The boiler and comfort controls are covered for 2 years
- Extended agreements also available – visit baxi.co.uk/xxxx to find out more

* See baxi.co.uk for terms and conditions.

Technical details

	UNITS	6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
Product code		95:022:234	95:022:236	95:022:227	95:022:226
Product Characteristics Database (PCDB)		XXX	XXX	XXX	XXX

SPECIFICATION

DHW cylinder

		6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
Off-peak immersion heater input at 240V	kW	3	3	3	3
Off-peak immersion heater input at 230V	kW	2.8	2.8	2.8	2.8
Boost immersion heater input at 240V	kW	3	3	3	3
Boost immersion heater input at 230V	kW	2.8	2.8	2.8	2.8
Rated pressure	bar	6	6	6	6
Pressure reducing valve [#]	bar	3.5	3.5	3.5	3.5
Capacity	litres	180	180	180	180
DHW expansion vessel	litres / bar	18 / 3.5	18 / 3.5	18 / 3.5	18 / 3.5
Temperature / pressure relief valve	°C / bar	90 / 10	90 / 10	90 / 10	90 / 10
Combined thermostat	°C	10-70	10-70	10-70	10-70
Resettable thermal cut-out	°C	85	85	85	85
Minimum insulation thickness	mm	40	40	40	40
Heat up time off-peak Δt 45°C	mins	180	180	180	180
Heat up time off-peak Δt 50°C	mins	200	200	200 </td <td>200</td>	200
First hour performance 3kW boost element Δt 45°C	litres	57	57	57	57
Heat loss	kWh / 24hr	1.95	1.95	1.95	1.95

Electric boiler and primary circuit

		6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
Maximum electrical input at 240V	kW	6	9	6	9
Maximum electrical input at 230V	kW	5.5	8.3	5.5	8.3
Electrical supply voltage	Volts	220-240	220-240	220-240	220-240
Electrical supply frequency	Hz	50	50	50	50
Internal fuse rating - pump supply	Amps	2	2	2	2
Primary system operating pressure - min	bar	1	1	1	1
Primary system pressure relief valve setting	bar	3	3	3	3
Primary system expansion vessel	litres / bar	12 / 1	12 / 1	12 / 1	12 / 1
Primary flow temperature radiator model	°C	65-80	65-80	65-80	65-80
Primary flow temperature underfloor model	°C	30-60	30-60	30-60	30-60

DIMENSIONS

		6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
A Overall height	mm	1,476	1,476	1,476	1,476
B Width	mm	550	550	550	550
C Depth	mm	600	600	600	600
Minimum clearance above the unit (to allow for top panel access)	mm	300	300	300	300
Minimum clearance on either side of the unit	mm	50	50	50	50

[#] Integral with cold water combination valve.

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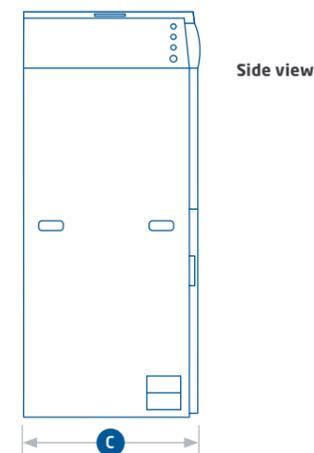
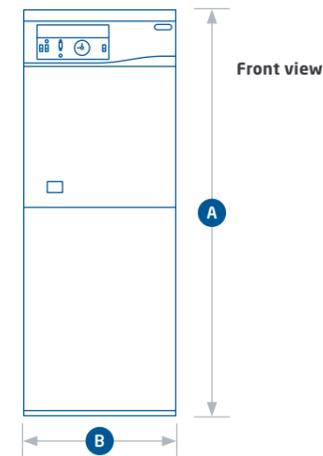
ErP PRODUCT INFORMATION

Hot water

	UNITS	6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
Water heating energy efficiency class of the model		C	C	C	C
Declared load profile		L	L	L	L
Mixed water at 40°C / 40V	litres	286	286	286	286
Water heating energy efficiency	%	37.9	37.9	37.9	37.9
Annual electricity consumption	kWh	2,701	2,701	2,701	2,701
Daily fuel consumption Q _{fuel}	kWh	12.49	12.49	12.49	12.49
Thermostat temperature settings of the water heater, as placed on the market by the supplier	°C	60	60	60	60
Tested for off peak use		Yes	Yes	Yes	Yes

Heating

	UNITS	6 kW radiator	9 kW radiator	6 kW underfloor	9 kW underfloor
Seasonal space heating energy efficiency class		D	D	D	D
Rated heat output	kW	6	9	6	9
Seasonal space heating energy efficiency	%	37	37	37	37
Annual energy consumption	kWh	12,986	19,472	12,986	19,472



CODES OF PRACTICE AND LEGISLATION

EU Directives:

- Energy Labelling of Water Heaters Directive 2010/30/EU
- Eco Design for Water Heaters Directive 2009/125/EU
- Low Voltage Directive (LVD) 2014/30/EU
- Electromagnetic Compatibility (EMC) Directive 2014/35/EU.

Legislation:

- Building Regulations Part G and Part L (England and Wales)
- Scottish Building Standards Section 4 and Section 6
- Building Regulations (Northern Ireland) Parts F1 and F3 and Part P
- Water Supply (Water Fittings) Regulations (England and Wales)
- The Water Byelaws 2004 (Scotland)
- Water Supply (Water Fittings) Regulations (Northern Ireland).

Standards: Relevant clauses of the following standards are complied with:

- EN 60379 Specification for measuring the performance of electric storage water heaters
- EN 60335-2-21 Safety Particular requirements for storage water heaters.

Components supplied comply with the following standards:

- BS EN 60730-1 Automatic Electrical Controls - For households and similar use part 1: General Requirements.

The use of these water heaters will aid in compliance with:

- BS EN 806 Parts 1 to 5: Specification for installations inside building conveying water for human consumption
- BS 8558 Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings.

Manufactured in a factory approved to:

- BS EN ISO 9001
- OHSAS 18001
- ISO 14001.

Approvals:

- Kiwa Certification Number: 1512704
- Nemko (N-Mark) Certification Number: P06205866/A5.



How we can help you

With Baxi, the heating system is only part of the story. We're also passionate about giving you the service and support you need, for the lifetime of your Baxi product.

Baxi Design

Our design service team will plan and configure installations around each property's unique requirements, free of charge.

Baxi Genuine Parts

We have a full range of approved spares and quality heating essentials for all Baxi Assure products. Visit baxi.co.uk/genuineparts for more information.

Literature and BIM libraries

We have installation instructions, user guides and BIM files for our product ranges, available at baxi.co.uk/specification

Unique maintenance plans

We provide comprehensive homeowner maintenance and support plans.

Baxi Project Hub

Baxi Project Hub is our intuitive project management portal, where specifiers and contractors can register Warranty and Gas Safe notifications for Baxi Assure installed products. There's also the Project Hub app, so that warranty registrations and Gas Safe notifications can be done on site. Visit baxi.co.uk/projecthub or speak to your Business Development Manager to find out more.

Product Training

We offer practical, hands-on courses, covering all Baxi Assure products. They're carried out by qualified experts at our state-of-the-art training centres nationwide. Visit baxi.co.uk/assuretraining or speak to your Business Development Manager to find out more.

Expert service and support

We're always here to help with product queries, installations and maintenance. Visit baxi.co.uk/trade/assuretechnical or call our Technical Support Helpline on 0344 871 1525 for more information.

For everything else

Contact your Business Development Manager at baxi.co.uk/assurecontact for more information.

Baxi Assure, The Complete Home Service

As the UK moves towards a carbon neutral future alongside an ever growing demand for housing, providers are having to take a fresh approach. That means more tenanted social housing, and more economical, energyefficient new homes.

With our fresh approach, we'll make sure we deliver the reliable, efficient heating and hot water solutions our specification partners need – for today and tomorrow.

The Baxi Assure range of solutions does just that, with a broad range of boiler, cylinder and low-carbon product packages to suit any new build or refurbished property.

Find out more at baxi.co.uk/specification

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