



No.1 Choice Electric Boiler Collection

ehc
the electric heating company



Leaders in the electric heating and hot water industry

Innovative heating and hot water specialists, The Electric Heating Company, have developed their product portfolio to accommodate almost any Central Heating and Hot Water requirement.

From the comprehensive Comet Electric System Boiler to the space saving SlimJim Electric Flow Boiler our product knowledge and Technical assistance is unrivalled in the Heating and Hot Water industry. Our products have been designed with both the installer and homeowner in mind and as such all the controls used with our products are contemporary and user friendly.

We can supply a choice of Boiler Packs and our Electric Combination Boiler for a complete Heating & Hot Water installation. The Electric Boiler, Cylinder and Controls are all included within our exclusive packages. EHC are renowned for always putting the customer first and have won National Customer Service Awards in recognition of our efforts.



When Installing an Electric Boiler

- Electric Boilers are 100% efficient therefore there is no requirement to oversize the appliance
- If an efficient Direct Cylinder is present within the property install the Boiler for Heating only
- Heat Loss calculations should be made in accordance with the latest regulations
- Most 1, 2 & 3 bedroom properties are generally suitable for an Electric Boiler
- Properties with a high hot water demand are better suited to an Indirect Cylinder with an 'S' Plan configuration
- When installing an Electric Boiler always ensure that the incoming electrical supply is sufficient for the Boiler Output
- To accommodate "Off-Peak" electricity tariffs it is recommended that a Programmer with a facility for 3 On/Off periods is installed
- Electric Boilers are suitable for both Volt Free, Hard Wired and Wireless Thermostats and Controls
- If the property has an electric shower it is advisable that a Shower Flow Sensor or Relay Interrupt is installed to prevent the Electric Boiler and Electric Shower operating at the same time
- Electric Boilers require no mandatory annual maintenance
- Electric Boilers have no flue requirements
- EHC offer 3-Phase Electric Boilers that are suitable for light commercial purposes such as; offices, factory units, pubs, etc.

The Electric Boiler Specialists

- ★ Installation is quicker than a gas system
- ★ The wiring of an Electric Boiler is the same as an Electric Shower
- ★ Electric Boilers can be used for Open Vented Systems
- ★ Can be used as back-up for Heat Pumps
- ★ Standard radiators and valves can be used with Electric Boilers
- ★ EHC Electric Boilers have a soft start to avoid power surges
- ★ Electric Boilers are almost silent when operating
- ★ Electric Boilers emit no noxious fumes or gases
- ★ Can be used with underfloor heating systems
- ★ EHC only use and recommend High Efficiency ErP Smart Pumps



3 Phase Fusion Comet Electric Boiler

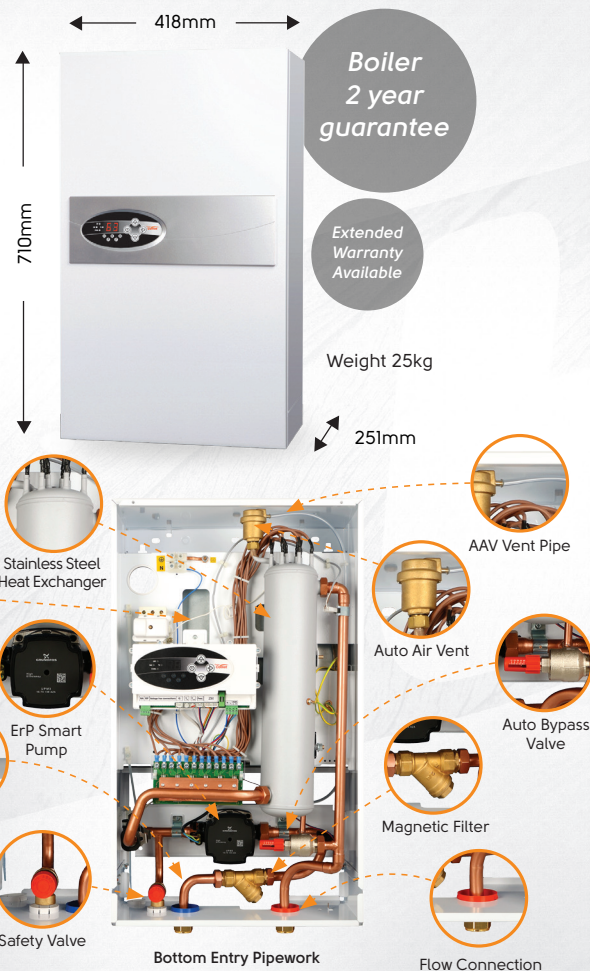
The perfect solution for a wet central heating system in light commercial properties, hotels, guest houses and large properties with 3 Phase electricity.

Our fully modulating, powerful 3 Phase Electric Boilers have been engineered to include a 6 Stage Heat Exchanger, Automatic Air Vents, Grundfos Smart Multifunction Pump, Pressure Sensor, Flow & Return Temperature Sensors and High Temperature Safety Cut-Out.

Our 3 Phase boiler outputs are 12kW, 14.4kW, 23kW and 39kW.

To ensure maximum efficiency, all Comet Boilers incorporate six stage heating using a heat exchanger. This unique facility will modulate the boiler to reduce electricity consumption and running costs.

The operating temperature of the boiler can be adjusted from 20 degrees through to a maximum 85 degrees.



Boiler Features

- Outputs from 12kW to 39kW
- Integral sealed system kit
- Virtually silent in operation
- Suitable for central heating only or central heating & hot water
- Can be used for underfloor heating
- No Mandatory Maintenance required
- 100% efficient
- Stainless Steel or Copper Heat Exchanger
- 2 years Parts & Labour Guarantee
- Removable bottom tray

Electronic Features

- Volt-free Control Connections
- 6 Stage Heating
- Integral System Diagnostics
- Easy-Fit Connectors & Sensors
- In-Built Fault Finding Diagnostics
- High Temperature Thermal Cut-Out
- Smart Multifunction Pump
- Vortex Flow Temperature Sensor
- Digital Pressure Gauge

Accessories

Code	Description
EC10001	Single Channel Programmer
EC10002	Twin Channel Programmer
EC10012	Room Thermostat
EC10011	'S' Plan Twin Channel Heat Pack
E10SS/7	Supreme Saver Hot Water Programmer
ESFS15/C	Shower Flow Sensor

The easy-to-use control panel provides operating temperatures for flow and return, system flow rate and kW output information and enables the installer to utilise the inbuilt self-diagnostic feature during installation or routine maintenance.

Using conventional wet system radiators and valves the Boilers can be installed in any property type with 3-Phase Electricity to offer an effective and efficient heating solution. For larger output requirements, these boilers can be combined on a low loss header to increase the overall output which gives endless install solutions.

Boiler Range	kW	12kW	14.4kW	23kW	39kW
Pipe Entry from Boilers			Bottom Entry		
Flow & Return Pipes	mm		22		
Min/Max Water Pressure	Bar		0.5/3.0		
Expansion Vessel	Ltrs		6		
Heat Exchanger		Stainless	Stainless	Copper	Copper
Dry Weight	Kgs		25		
Electricity Supply	V		415V 3ph 50Hz		
Load/Current	Amp	3x17	3x20	3x31	3x54
Heating Output	Btu	40945	49134	77114	132045
Min/Max Temp Settings	°C	20/85	20/85	20/85	20/85
Overheat Protection	°C			100	
Pump Included				Yes	
Recommended Pump Settings			Factory set to Max (Adjustable)		
Recommended Diameter of Mains Cable	mm ²	5x2.5	5x4	5x6	5x10
Protection	Amp	3X20	3X32	3X40	3X63
Erp Rating				D	

Accessories & Controls

EC10001 - Single Channel Programmer



- ✓ Selection of Modes -
- ✓ 24 Hours, 5/2 Day & 7 Day
- ✓ 2 or 3 ON/OFF Selector
- ✓ Preset program settings
- ✓ Standard Back Plate
- ✓ Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10002 - Twin Channel Programmer



- ✓ Selection of Modes -
- ✓ 24 Hours, 5/2 Day & 7 Day
- ✓ 2 or 3 ON/OFF Selector
- ✓ Preset program settings
- ✓ Standard Back Plate
- ✓ Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10003 - Three Channel Programmer



- ✓ Selection of Modes - 24 Hours, 5/2 Day & 7 Day
- ✓ 2 or 3 ON/OFF Selector
- ✓ Preset Program Settings
- ✓ Standard Back Plate
- ✓ Suitable for Wired Installations or used in conjunction with EC10015 RF Thermostat.

EC10012 - Room Thermostat



- ✓ Hard Wired
- ✓ Diaphragm Temperature Sensor
- ✓ Ideal for Surface or Pattress Box mounting
- ✓ 10°C- 30°C Set Point



EC10015 - EHC Wireless Room Thermostat

- ✓ Wireless Communication
- ✓ 230V or Volt Free Switching capability
- ✓ Ideal for Surface Mounting or Free Standing
- ✓ 5°C - 35°C Set Point
- ✓ Simple Control Dial with sizeable Digital Screen
- ✓ Quick easy installation



EC10011 - Twin Channel Heatpack

- ✔ Twin Channel Heatpack
- ✔ Room Thermostat
- ✔ Cylinder Thermostat
- ✔ Wiring Centre
- ✔ 2 x 2 Port Zone Valves



EC10006 - Grundfox UPM3 or Wilo Pump

- ✔ High Efficiency ErP Compliant.
- ✔ Speed-controlled, high-efficiency Pump fitted with electronically commutated motor (ECM)
- ✔ Uses 85% less Electricity compared to standard Pumps



EC10007 - Pump Valve

- ✔ 22mm Compression lockshield Valve
- ✔ Supplied with Pump Washer



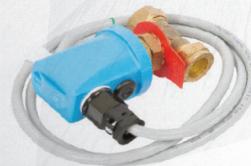
EC10005 - Auto Air Vent

- ✔ 15mm Compression
- ✔ Suitable for Vented & Sealed Systems



M0235 - Magnetic Filter

- ✔ In-line Filter with Strainer and Magnetic stack
- ✔ 3/4" BSP connections



ESFS15C - Shower Flow Sensor

- ✔ 15mm Compression Fittings
- ✔ Auto Shutdown of the Boiler when the Shower is running
- ✔ Normally open & normally closed connections supplied



the electric heating company

The Electric Heating Company delivers premier heating
products across the UK

Tel: 01698 820533

Email: info@electric-heatingcompany.co.uk

www.electric-heatingcompany.co.uk

Unit 40, Block 5, Third Road, Blantyre Industrial Estate, Blantyre, Glasgow G72 0UP



Disclaimer - All figures quoted and images used are correct at the time of printing and maybe subject to change