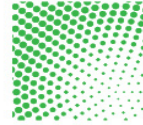


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Environment**



Expert Support Service

**Advances in Off Peak Electric Heating
using Electric Boilers**

Presented by Bill Walters

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EHC Presentation

- **Company Profile**
- **Why Install Electric Boilers**
- **Fusion Comet Electric Boilers**
- **Fusion E10 Combination Unit**
- **SSE Economy 10 Tariff**
- **Indicative Running Costs**
- **The Future of Electric Boilers**
- **Questions**

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Company Profile

The Electric Heating Company is a long established UK National Distributor of high quality Heating and Hot Water Products. EHC are renowned for always putting the customer first and have won National Customer Service Awards for their Total Care Package. Our Products are specified on many Contracts throughout the UK and our Customer Base includes Social Landlords, Private Landlords, Hotels, Schools, Developers, Homeowners and the General Heating Trade.



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Why Install Electric Boilers

- No Flue Required – No risk
- Annual Maintenance
- Properties with no access to Natural Gas
- Properties not suitable for Renewable Technologies
- Properties with Low 'U' Values
- Listed Buildings
- Social Housing Contracts
- Light Commercial Properties
- Hotels and Pubs
- Offices
- Properties with Gas Flues in Voids

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Fusion Comet Electric Boiler



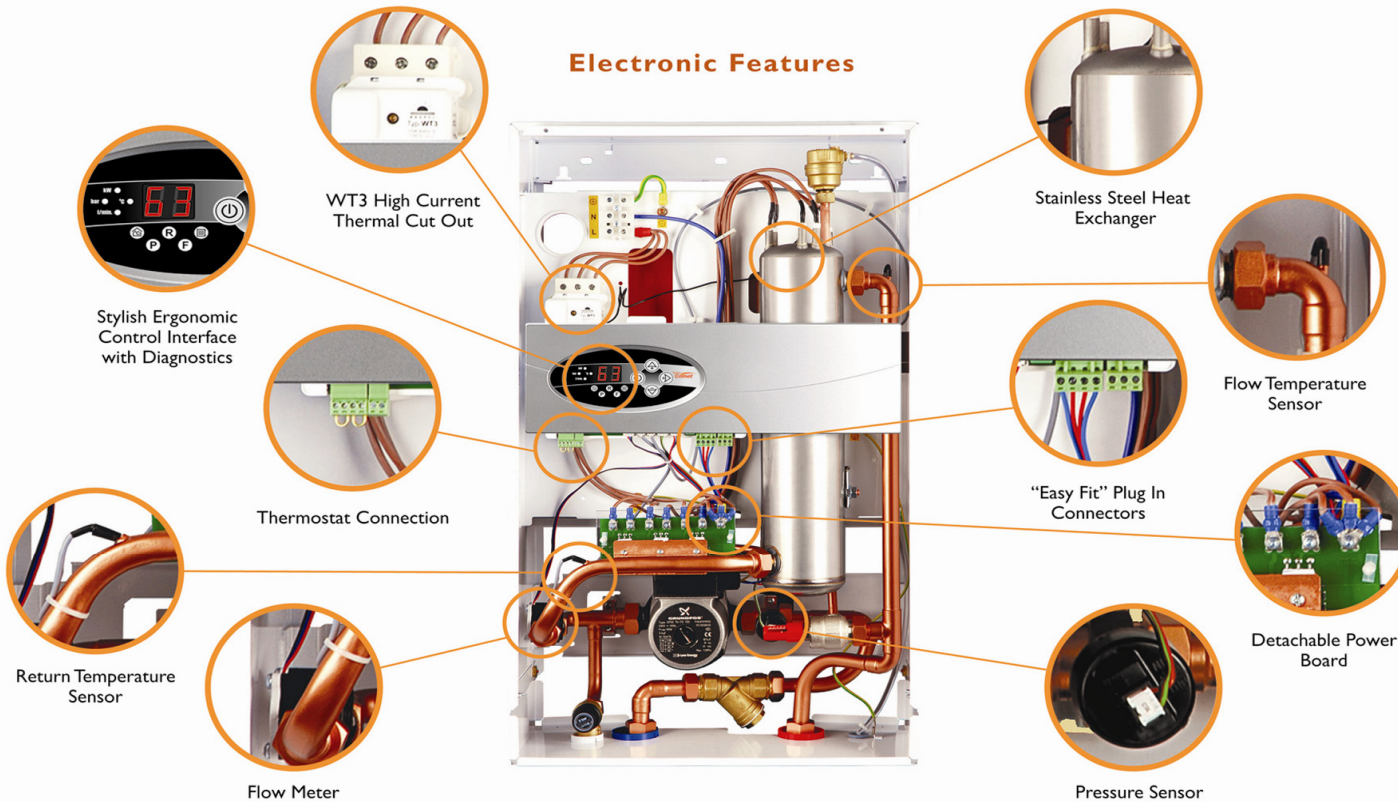
- 6kW – 1 Bed
- 9kW – 2 Bed
- 12kW – 3 Bed
- 14.4kW – 4 Bed

- 24 & 36 kW - 3 phase

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Whats Inside – Electronic



Whats Inside – Plumbing

Plumbing Features



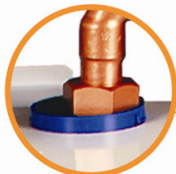
Expansion Vessel



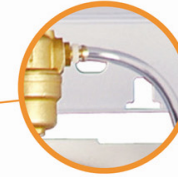
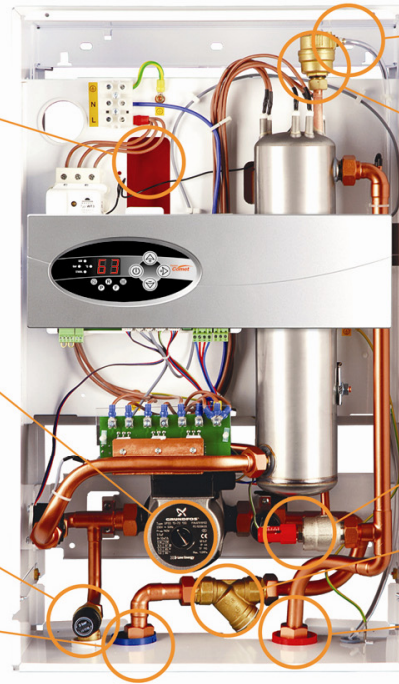
Low Energy Pump



Safety Valve



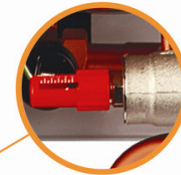
Return Connection



AAV Vent Pipe



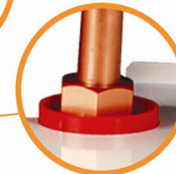
Auto Air Vent



Auto Bypass Valve



Magnetic Filter



Flow Connection

Fusion E10 Combination Unit



Boiler Outputs

- 9kW – 2 Bed
- 12kW – 3 Bed
- 14.4kW – 4 Bed

Cylinder Capacity

- 150 Litres
- 180 Litres

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Fusion E10 - Whats Inside



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SSE Economy 10 Tariff

OFF PEAK TIMES

4.30 AM - 7.30 AM	3 HOURS
1.30 PM - 4.30 PM	3 HOURS
8.30 PM - 12.30 AM	4 HOURS

Please note that ALL electricity used in the property during the Off Peak times will be charged at the Off Peak rate

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Indicative Running Costs

	Per Week	Per Month
One Bedroom, tenant in all day	£ 25.06	£ 104.55
One bedroom, tenant working	£ 18.77	£ 77.20
Two Bedroom, tenant in all day	£ 27.39	£ 114.67
Two Bedroom, tenant working	£ 23.39	£ 97.29

The comprehensive Alembic Report is available for download

The logo for 'ehc' is displayed in a stylized, italicized font. The letters are a gradient of orange and red, with a white outline.

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A small green icon consisting of a grid of dots, positioned to the right of the text.

The Future of Electric Boilers

- **Install Correct Metering**
- **End User Education**
- **Features to reduce Load Capacity Requirements**
- **Improved Technology for Smart Metering**
- **Operate in Conjunction with Solar Thermal Systems**
- **Install with Air Recovery Systems**
- **Improved Insulation**

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The Future of Electric Boilers

With the help of the LCBE programme EHC continue to investigate the Cost/SAP rating benefit analysis of modelling hybrid heating solutions

Example: Use of Solar Hot Water and Storage Heaters within the Wet System solution

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Advances in Off Peak Electric Heating

Questions

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