



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.



# 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



# Comet Combination Unit

*The Comet Electric Boiler Combination Unit offers the comfort and convenience of wet central heating and domestic hot water for domestic properties with no access to mains gas.*

It is a fully controllable 24/7 packaged unit housed in an elegant enclosure and is available in 9kW, 12kW or 14.4kW Outputs with an internal 140 Litre Duplex Stainless Steel Hot Water Cylinder. The Boilers internal plumbing is configured to an 'S' Plan design that also has an in-built magnetic filter for added protection and includes pre-plumbed Expansion Vessels for both the Heating and Domestic Hot Water circuits.

Supplied with an external Tundish and Domestic Hot Water Control Valve and a fully programmable Controller and Wireless Room Thermostat to provide full control of both the Central Heating and Domestic Hot Water.

## Latest Features Include

- ✔ Inbuilt Programmer
- ✔ ErP Hot Water Control
- ✔ ErP Smart Pump
- ✔ Weather Compensation
- ✔ Tank Cleansing Feature (Anti Legionella)
- ✔ Optional Solar DHW PV Connection
- ✔ Wireless Thermostat

*Boiler  
2 year guarantee*

*Stainless Steel  
Cylinder 10 year  
guarantee*



The Boilers inbuilt controller “Navigation Button” gives you easy access to the boilers settings by simply scrolling through the menu. There are various pre-set times that can be easily adjusted to suit your heating & domestic hot water requirements. For ease of installation a Wireless Room Thermostat is supplied which can be located anywhere within the property.

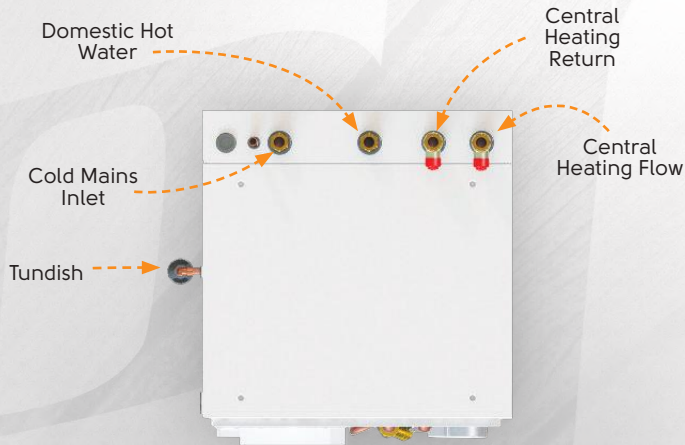
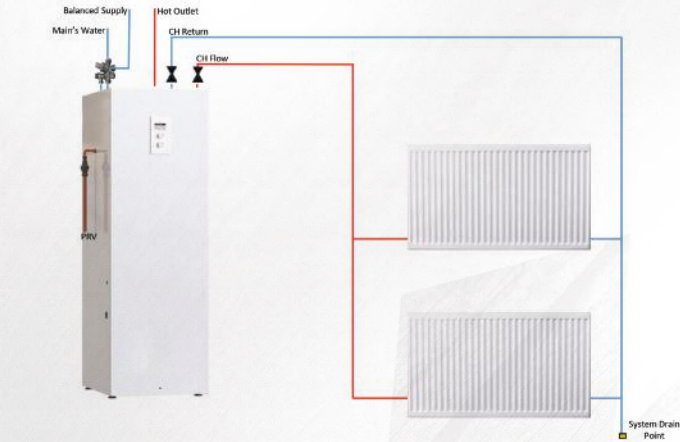
The unit has In-built Weather Compensation which will automatically modulate and reduce the Boilers input temperature in relation to the external temperature which reduces Boiler cycling and could save up to 15% energy usage. A further energy saving measure would be to add our optional Titanium PV Immersion heater to the Cylinder which when connected to a Solar PV diverter will automatically start heating the cylinder within the unit.

#### Comet Combination Unit Features

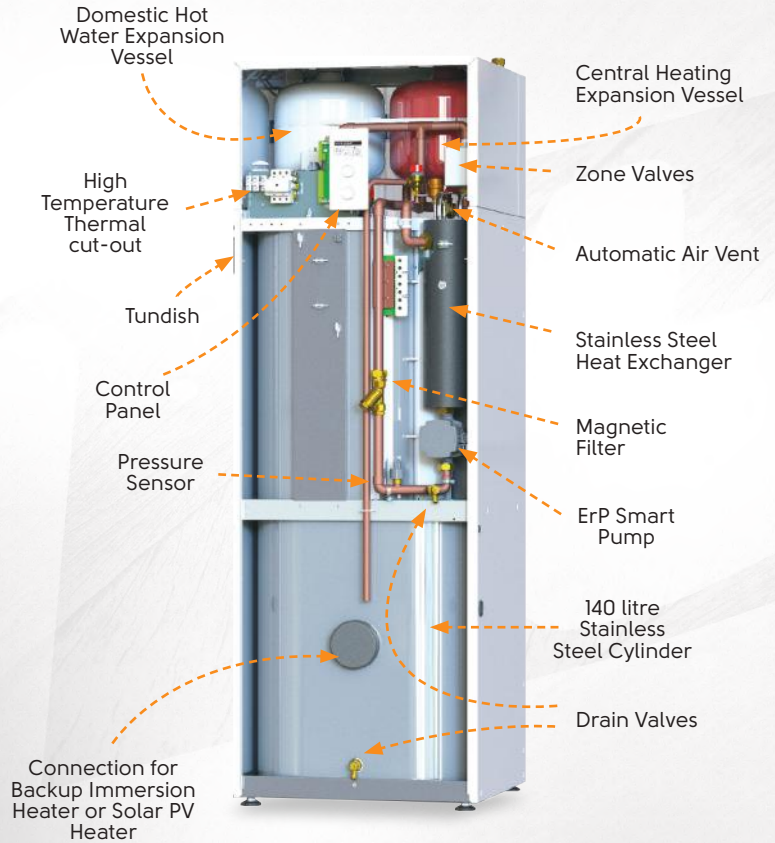
- ✔ Available in 9kW, 12kW & 14.4kW outputs
- ✔ Full Power Modulation
- ✔ Stainless Steel Heat Exchanger with Automatic Air Vent
- ✔ High Temperature Thermal Cut-Out
- ✔ Digital Pressure Gauge
- ✔ In Built Weather Compensation
- ✔ Integral Programmer with system diagnostics
- ✔ Wireless Thermostat Included
- ✔ ErP Smart Pump
- ✔ 100% Efficient
- ✔ Magnetic Filter

#### Stainless Steel Cylinder & System Features

- ✔ 140 Litre Duplex Stainless Steel Cylinder
- ✔ ErP Smart Hot Water Control System
- ✔ T&P Relief Valve
- ✔ DHW & HTG Zone Valves
- ✔ Drain Point
- ✔ Optional Immersion Heater or Solar PV Heater
- ✔ Inbuilt Programmer
- ✔ Tank Cleansing feature



Top Entry Plumbing Connections



# Comet Combination Unit *Technical Information*

		9kW	12kW	14.4kW
Electrical supply		240V - 50Hz		
Load current	Amp	38	50	60
Minimum permitted Cable diameter	mm <sup>2</sup>	10	16	16
Circuit protection	Amp	50	63	80
Primary system pressure relief valve setting	Bar	3.0		
Primary system operating pressure (min)	Bar	1.0		
Thermal cut-out	°C	100		
Expansion vessel		Capacity 12L - pre-charged 1.5 Bar		
Outlet flow temperature	°C	30 to 85		
Primary circulating pump		Grundfos UPM3 or Wilo-Para 15/7 iPWM		
Safety valve	Bar	Opening pressure: 3 Bar		
Hydraulic connections		22mm		
17° to 55° Hot Water Recovery Time		44mins	36mins	29mins
17° to 65° Hot Water Recovery Time		72mins	56mins	45mins
Heating output	BTU	30709	40945	49134
Space heating ERP		D		

## CYLINDER DETAILS

Maximum water supply pressure	Bar	10		
Cylinder operating pressure (secondary)	Bar	3		
Cylinder operating pressure (primary max)	Bar	2.5		
Cylinder operating pressure (secondary max)	Bar	5.5		
Expansion relief valve setting (secondary)	Bar	6		
Thermostat	°C	30 to 70		
Tank capacity	ltr	140		
Temperature-pressure valve		95°C/6Bar TP 152 - 1/2		
Expansion vessel	12ltr	3 Bar (charge pressure)		
Hydraulic connections		Copper pipe ø 22 x 1		
Optional immersion heater	3000w	240volt		
Net Weight	kg	106.8		
Gross Weight	kg	246		
Dimensions	mm	1745(h) x 580(w) x 630(d)		
Cylinder ERP		C		

OPTIONAL EXTRAS

EHC Shower Flow Sensor

Back-up Immersion Heater

Solar PV Immersion Heater

# *ehc*

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