



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



# SlimJim Electric Boiler

*The multi-purpose Boiler where space is at a premium.*

The compact design of the boiler makes it ideal for heating applications where space is at a premium. The SlimJim is traditionally installed by professional heating engineers in properties such as apartments, domestic dwellings, holiday homes and light commercial properties. Our single phase Boiler outputs are 4kW, 7kW, 10kW, 12kW with the 14.4kW available for properties that require larger outputs.

The SlimJim is a fully controllable Electric Flow Boiler which is 100% efficient and designed to maximise cupboard space. The Boiler also has an easy-fit front cover for future maintenance purposes. It has a user-friendly Front Control Panel incorporating heat mode and fault finding indicators and easy-to-use temperature control setting. The stainless steel Heat Exchanger is fully insulated to minimise heatloss.

The Boiler temperature range can be set between 30 degrees and 80 degrees which also makes it a suitable choice for wet system and underfloor heating applications.

Safety is of paramount importance and as such the SlimJim Boiler incorporates a unique high temperature safety cut-out device to protect the boiler.

The SlimJim can be supplied as a Boiler only or complete with a choice of Heat Packs.



## Boiler Features

- Outputs from 4kW to 14.4kW
- 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 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
- 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

Boiler Range	kW	4kW	7kW	10kW	12kW	14.4kW
Pipe entry boiler - flow				Top		
Pipe entry boiler - return				Bottom		
Central heating flow & return pipes	mm			22		
Max Pressure	Bar			3.0		
Min Pressure	Bar			0.5		
Min/Max Temp Settings	°C			30/80		
Overheat Protection	°C			100		
Safety class				IP22		
Electrical Supply	VAC			240V 1ph 50Hz		
Load current	Amp	17	29	42	50	60
Recommended diameter of mains cable	mm	6	10	10	16	16
Heating output	Btu	13648	23884	34121	40945	49134
Protection	Amp	20	40	50	63	80
Erp Rating				D		
Dry Weight	Kgs			11		

# SlimJim Electric Boiler

## Direct Cylinder Packages

*The compact design of the SlimJim Electric Flow Boiler makes it ideal for heating applications where space is at a premium.*



**Space  
Saver**



**High  
Quality**



**Energy  
Efficient**



**Great  
Performance**



**Virtually  
Silent**



**Best  
Price**

- ✔ Outputs from 4kW to 14.4kW
- ✔ Virtually silent in operation
- ✔ Boiler provides central heating only & domestic hot water is provided by the direct unvented cylinder
- ✔ Can be used for underfloor heating
- ✔ 100% efficient
- ✔ Stainless Steel Heat Exchanger
- ✔ Includes Run Dry Sensor
- ✔ No flue required
- ✔ No fumes and no risk of explosion

*Our one stop shop service enables us to provide SlimJim Electric Boiler and Cylinder packages with associated controls. This service ensures that all your heating and hot water appliances carry the EHC Brand and simplifies your future warranty support*

Code	Description	Number of Bedrooms
EHCSJ7/120	7kw Boiler / 120l Cylinder	1
EHCSJ10/120	10kw Boiler / 120l Cylinder	1 or 2
EHCSJ10/150	10kw Boiler / 150l Cylinder	1 or 2
EHCSJ10/180	10kw Boiler / 180l Cylinder	2
EHCSJ12/150	12kw Boiler / 150l Cylinder	3
EHCSJ12/180	12kw Boiler / 180l Cylinder	3
EHCSJ15/150	14.4kw Boiler / 150l Cylinder	3
EHCSJ15/180	14.4kw Boiler / 180l Cylinder	3/4

#### What's Included

- ✔ Choice of SlimJim Boiler 2 Year Warranty
- ✔ Choice of Direct Unvented Stainless Steel Cylinder 25 Year Warranty
- ✔ Single Channel Programmer 2 Year Warranty
- ✔ Room Thermostat 2 Year Warranty
- ✔ 8 Litre Robo Kit 2 Year Warranty
- ✔ Auto Air Vent 2 Year Warranty
- ✔ High Quality ErP Smart Pump 2 Year Warranty
- ✔ Lockshield Valves 2 Year Warranty
- ✔ Magnetic Filter 2 Year Warranty



# Stainless Steel Cylinders

*Direct Unvented*

25 Year Warranty

The following fittings are supplied with our Direct Cylinders:

- ✔ Inlet Control Set
- ✔ Temperature & Pressure Relief Valve
- ✔ 15mm / 22mm Tundish
- ✔ Expansion Vessel c/w Wall Mounting Bracket
- ✔ 2 x 3kW Immersion Heaters
- ✔ Installation & Maintenance Instructions
- ✔ Benchmark Logbook

Model No.	CAPACITY (Litres)	HEIGHT (mm)	DIAMETER (mm)	WEIGHT (Kg-EMPTY)	WEIGHT (Kg-FULL)	RATING
NDIR125L	120	933	550	25	149	B
NDIR150L	150	1120	550	30	185	C
NDIR180L	180	1308	550	33	218	C
NDIR210L	210	1496	550	37	253	C
NDIR250L	250	1746	550	40	296	C



# 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 - Grundfos 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

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