

ferroli

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Modena HE High efficiency condensing combination and system boilers



**High efficiency
Condensing combination boilers**
27c and 32c
System boilers
18s, 25s and 32s



21st century design for 21st century life



Modena HE

High efficiency combination and system boilers



Ferrol is one of Europe's leading manufacturers of heating solutions for domestic, commercial and industrial requirements. We pride ourselves on using the latest technological advances to achieve optimum energy efficiency whilst ensuring environmental protection. This means that when you choose a new Ferrol high efficiency condensing boiler for your home, you can be assured that you have chosen one of the most sustainable and cost-effective ways to generate heat and hot water.

We also understand that reliability is your number one concern and that is why the Modena HE range is available with a choice of a 5 or 2 year full parts and labour manufacturer's warranty*.

Reliability reassurance with



*UK warranty is subject to terms and conditions – please refer to the document enclosed with the boiler or contact our service department for further information.



Free backup

with every Ferroli boiler



Manufacturer



Engineer



Customer services



Training



Designer

Ferroli offers a complete one-stop-shop solution

We pride ourselves on being able to offer much more than simply high specification, value for money products.

We aim to provide our customers with unbeatable knowledge, support and service that extends beyond the sale of the product.

SPECIFICATION AND TECHNICAL SUPPORT

Installers, merchants, specifiers and developers can call Ferroli's technical support team at any time for specification guidance or technical support.

AFTERSALES

With a national team of dedicated engineers across the UK, Ferroli is always ready and able to provide support to installers and homeowners alike. Be that a repair or annual service, our aim is to ensure your Ferroli boiler works efficiently for years to come.

Ferroli engineers carry a comprehensive stock of spare components to ensure first fix where possible and we also have a nationwide network of Ferroli spare part stockists.

Service & Technical Support

T: 0843 479 0479

F: 0843 479 0082

Sales & Spares

T: 0843 479 4790

F: 0843 479 0081

General Enquiries

T: 0843 479 0009



The Modena HE range sets a new standard for the domestic boiler market. It is the smallest, lightest and quietest boiler in its class and comes with a choice of a 5 or 2 year full parts and labour manufacturer's warranty.

NOx Class 5 and SEDBUK A ratings demonstrate the Modena's outstanding energy efficiency standards to provide what every customer wants – an exceptionally reliable boiler that combines high performance with lower fuel bills.

At just 600mm high the Modena can be sited in the most awkward of spaces; a lightweight of between 28kg and 31.5kg allows for one-man installation and an operating noise level of less than 40dB means it can hardly be heard.

Modena HE

High efficiency boilers
Combination 27c and 32c
System 18s, 25s and 32s



Choice of 5 or 2 year full parts and labour manufacturer's warranty* for total peace of mind and reassurance

Height 600mm, Width 400mm, Depth 320mm

Weight 28kg (18s & 25s), 29kg (27c), 30kg (32s) and 31.5kg (32c)

Operating noise level <40dB

NOx Class 5 rated for extremely low emissions and high performance

SEDBUK Band A rated for excellent fuel cost economy and energy efficiency

Operates on both natural gas and LPG

Combi models have only 4 moving parts – DHW water flow meter, pump, fan and gas valve - and system models have only 3

Accessories available include valve cover, rear pipe space frame and a choice of four mechanical and digital clocks and room thermostat controls

Combi models condense in hot water mode

All components can be serviced or removed via front panel

Central flueing for easy replacement installations

Microprocessor control and adjustment system with advanced self-diagnosis

up to
31.3 kW
max
OUTPUT

32c DHW
flow rate
13.1 l/min
@ Δt 35°C

only **4**
moving
parts

MODENA
comes with
**filling
loop**

optional
digital RF
programmable
room
thermostat

Please note: System models come without a timer.

*UK warranty is subject to terms and conditions – please refer to the document enclosed with the boiler or contact our service department for further information.



Technical specifications

| | | Combination | | System | | |
|---|---------------|-------------|------------|------------|------------|------------|
| | | 27c | 32c | 18s | 25s | 32s |
| Ferroli product codes | | | | | | |
| Natural Gas 5yr Warranty | | OT1R2IGA | OT1R3IGA | OT2O1IGA | OT2O2IGA | OT2O3IGA |
| Natural Gas 2yr Warranty | | ZUOT1R2IGA | ZUOT1R3IGA | ZUOT2O1IGA | ZUOT2O2IGA | ZUOT2O3IGA |
| LPG 5yr Warranty | | OT1R2KGA | OT1R3KGA | OT2O1KGA | OT2O2KGA | OT2O3KGA |
| LPG 2yr Warranty | | ZUOT1R2KGA | ZUOT1R3KGA | ZUOT2O1KGA | ZUOT2O2KGA | ZUOT2O3KGA |
| NO _x emissions class (mg/kWhr) | | 5 | 5 | 5 | 5 | 5 |
| Energy marking rating (92/42 EEC directive) | | ★★★★ | ★★★★ | ★★★★ | ★★★★ | ★★★★ |
| SAP 2009 annual/2005 seasonal efficiency % | NG | 89.2/90.3 | 89.2/90.3 | 89.2/90.2 | 89.2/90.2 | 89.3/90.4 |
| | LPG | 90.2/92.2 | 90.2/92.2 | 90.3/92.3 | 90.3/92.3 | 90.3/92.3 |
| Output max/min | | | | | | |
| Heat input | kW | 25.0/5.8 | 29.5/6.7 | 17.4/4 | 25/5.8 | 32/6.07 |
| Useful heat output 80°C – 60°C | kW | 24.5/5.7 | 28.9/6.6 | 17/3.9 | 24.5/5.7 | 31.4/6.6 |
| Useful heat output 50°C – 30°C | kW | 26.5/6.2 | 31.3/7.2 | 18.5/4.3 | 26.5/6.2 | 34/7.2 |
| Central heating | | | | | | |
| Maximum operating temperature | °C | 80 | 80 | 80 | 80 | 80 |
| Operating pressure central heating | Max. bar | 3 | 3 | 3 | 3 | 3 |
| | Min. bar | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Expansion vessel capacity | litres | 8 | 10 | 8 | 8 | 10 |
| Expansion vessel pre-fill pressure | bar | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Boiler water content | litres | 1.7 | 2.1 | 1.7 | 1.7 | 1.7 |
| DHW | | | | | | |
| Maximum DHW production | Δt 25°C l/min | 15.5 | 18.3 | - | - | - |
| | Δt 30°C l/min | 12.9 | 15.3 | - | - | - |
| | Δt 35°C l/min | 11.1 | 13.1 | - | - | - |
| Operating pressure DHW | Max. bar | 9 | 9 | - | - | - |
| | Min. bar | 0.3 | 0.3 | - | - | - |
| Dimensions & weights | | | | | | |
| Height | mm | 600 | 600 | 600 | 600 | 600 |
| Width | mm | 400 | 400 | 400 | 400 | 400 |
| Depth | mm | 320 | 320 | 320 | 320 | 320 |
| Weight (empty) | kg | 29 | 31.5 | 28 | 28 | 30 |
| Fittings | | | | | | |
| Gas fitting | mm | 22 | 22 | 22 | 22 | 22 |
| Central heating fittings | mm | 22 | 22 | 22 | 22 | 22 |
| DHW circuit fittings | mm | 15 | 15 | - | - | - |
| Power supply | | | | | | |
| Max power input | W | 100 | 120 | 100 | 100 | 100 |
| Power supply voltage/frequency | V/Hz | 230V/50Hz | 230V/50Hz | 230V/50Hz | 230V/50Hz | 230/50 |
| Index of protection | IP | IPX5D | IPX5D | IPX5D | IPX5D | IPX5D |
| Maximum equivalent flue lengths | | | | | | |
| Max horizontal flue length 60/100mm Ø | m | 7 | 7 | 7 | 7 | 7 |
| Max vertical flue length 60/100mm Ø | m | 8 | 8 | 8 | 8 | 8 |
| Max horizontal flue length 80/125mm Ø | m | 28 | 28 | 28 | 28 | 28 |
| Max vertical flue length 80/125mm Ø | m | 28 | 28 | 28 | 28 | 28 |
| Total equivalent length two pipe 80mm Ø | m | 80 | 70 | 70 | 70 | 70 |
| Accessories | | | | | | |
| Filling loop | | Yes | Yes | No | No | No |
| Hanging bracket | | Yes | Yes | Yes | Yes | Yes |
| Pre-wired mains cable supplied | | Yes | Yes | Yes | Yes | Yes |



Robust stainless steel burner for long life

Optional external temperature sensor kit

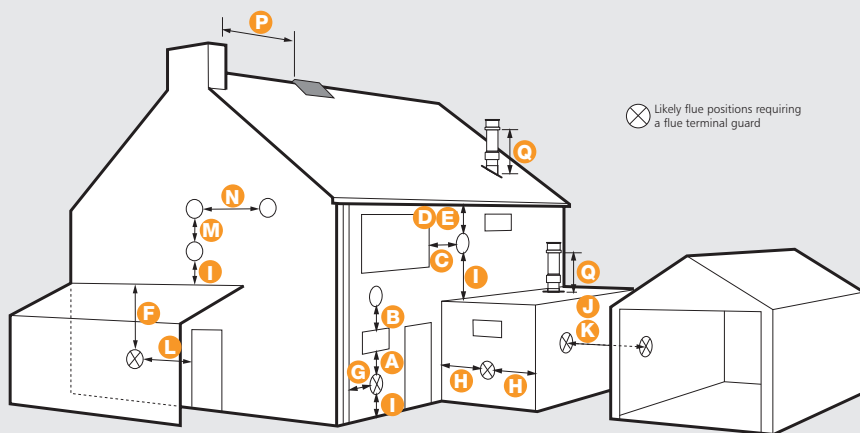
Dry fit sensors mean they can be replaced without draining the system

Flexible flue options from coaxial single pipe to twin pipe; white or translucent options for visual inspection in voids

All Modena boilers are fully compatible and ready to work with renewable energy products

DHW/central heating heat exchangers can be chemically cleaned and flushed in situ

Flue terminal positions



Notes

In addition, the terminal must not be nearer than 300mm to an opening in the building fabric formed for the purpose of accommodating a built-in element such as a window frame.

Condensing terminal positions: if the flue is to be terminated at low level then the potential effect of the plume must be considered.

The plume should not be directed:

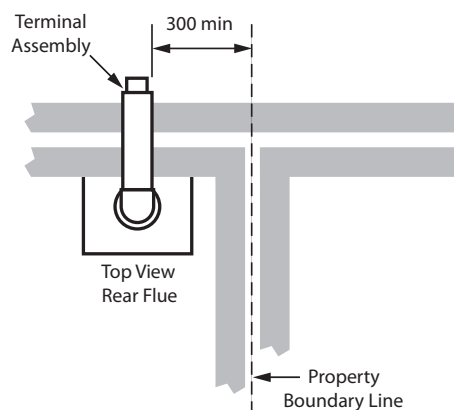
- across a frequently used access route
- towards a window
- across a neighbouring property

For more information on terminal positions please contact our technical department.

The distance from a fanned draught appliance terminal installed parallel to a boundary may not be less than 300mm in accordance with the diagram below.

Flue Terminal Positions

| | mm |
|---|------|
| A Directly below an opening, air brick, opening windows etc. | 300 |
| B Above an opening, air brick, opening windows etc. | 300 |
| C Horizontally to an opening, air brick, opening windows etc. | 300 |
| D Below gutters, soil pipes or drain pipes | 75 |
| E Below eaves | 200 |
| F Below balconies or car port | 200 |
| G From a vertical drain pipe or soil pipe | 150 |
| H From an internal or external corner | 100 |
| I Above ground roof or balcony level | 300 |
| J From a surface facing the terminal | 600 |
| K From a terminal facing the terminal | 1200 |
| L From an opening in the car port (ie. door, window) into the dwelling | 1200 |
| M Vertically from a terminal on the same wall | 1500 |
| N Horizontally from a terminal on the same wall | 300 |
| O From the wall on which the terminal is mounted | N/A |
| P From a vertical structure on the roof | 150 |
| Q Above intersection with roof | 300 |



Rear Pipe Space Frame



Valve Cover



Mechanical RF Programmable Room Thermostat



+ RF Receiver (internal)



Digital Timer



Mechanical Timer



Digital RF Programmable Room Thermostat



+ RF Receiver (internal)



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Your local Ferrolì stockist









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Staffordshire DE14 3HD

Ferrolì has been producing heating appliances and equipment since the 1950s. Today, their ultra-modern factories in Europe employ over 2,500 people and produce a wide range of wall hung, cast iron and welded steel boilers, making Ferrolì one of the largest and most successful heating appliance manufacturers in the world.

Training Well trained installers are the key to a safe and efficient heating system. We offer a choice of training and product awareness courses on our key product range, including the Modena HE, at Ferrolì's fully equipped training centre in Burton-upon-Trent and at specialist training locations across the UK. Courses are aimed at engineers of all levels to ensure that everyone comes away with the skills and knowledge needed to deliver the first class service that customers expect and deserve. For more details visit www.ferroli.co.uk/training or ring 0843 479 0009.

Ferrolì Domestic Boilers Offering gas wall mounted units with outputs of up to 50kW, Ferrolì's stylish, compact domestic boilers provide maximum comfort with minimal fuel usage. With a choice of conventional, condensing and combi technologies, there's a boiler to match the heating and hot water requirements of every home.

Ferrolì Commercial and Industrial Boilers Ferrolì commercial boilers for pressure jet oil, forced air gas or dual fuel are factory matched with high efficiency burners to provide outputs of up to 12,350kW, whilst meeting the strictest emissions demands.

Ferrolì Renewable Energy Products Ferrolì continues to meet the latest demands for renewable energy technologies. From domestic air source heat pumps to drain back and pressurised solar systems, Ferrolì has the products to suit the most popular renewable energy system options.

Ferrolì Spares The popularity of Ferrolì as first choice for both domestic and commercial installations means that heating parts stockists offer readily available spares for Ferrolì boilers. Ferrolì has a UK-based fully stocked warehouse enabling same-day despatch of just about any part needed to keep your Ferrolì boiler running.

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