

# Ferrolì

**efficient | affordable | reliable**

heating solutions from a world leading manufacturer



Ferrolì  
modena  
27c HE



Powerful performance

Environmentally friendly

Unbeatable value for money

Easy operation

Long-lasting and dependable

## 21st century design for 21st century life

### Modena HE

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



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

Height 600mm, Width 400mm, Depth 320mm

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

DHW flow rates of up to 13.1 litres/min @ 35°C

Operating noise level ≤40dB

NOx Class 5+ & SEDBUK A rated for extremely low emissions and high performance

Operates on both natural gas and LPG

No plate to plate heat exchanger or diverter valve means less working components

Only 3 moving parts in system models – pump, fan and gas valve – plus DHW water flow meter in combi models

Combi models condense in hot water mode

All components can be serviced or removed via front panel

New unique stainless steel bi-thermal heat exchanger in combi models

Robust stainless steel burner for long life

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

Integral filling loop and easy to read contents/pressure gauge as part of the isolation valve kit

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

Central flueing for easy replacement installations

### Optimax HE PLUS

High efficiency boilers  
Combination 31c and 38c  
System 18s and 25s  
Open vent 18ov and 25ov



5 year manufacturer's parts and labour warranty for total peace of mind and reassurance\*

Choice of wall-mounted combination, system and open vent boilers suitable for any domestic heating and hot water requirements

NOx Class 5+ & SEDBUK A rated for extremely low emissions and high performance

Outputs from 18kW to 38kW for accurate sizing to suit the application

Operates on natural gas and LPG

High density foam lining for reduced operational noise

Full diagnostic software and easy to use controls with LCD

Optional 7 day/week digital timer

Complete with pre-wired cable

Easily removed single piece case for ease of access during installation and maintenance

Built-in bypass for quicker installation and assurance of minimum flow rates through the heat exchanger at all times

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

Integral filling loop as part of the boiler's valve assembly for easy installation

Boilers are matched with the Ferrolì Aquacyl and Aquasol XS range of stainless steel cylinders

### DOMIcondens HE

High efficiency boiler  
Combination 26c



2 year manufacturer's parts and labour warranty for total peace of mind and reassurance\*

Superb domestic hot water flow rates

Supplied with integral filling loop

SEDBUK A rated for high environmental performance

Proven technology for greater reliability

Operates on natural gas and LPG

Compatible with outside temperature compensator

Combustion monitoring system

Microprocessor-based PCB provides anti-seize operation of the pump following 24 hours of inactivity

Full modulation of the burner in both heating and hot water mode

Automatic gas valve adjustment and tuning to maintain optimum combustion

Full frost protection to the boiler

Optional 7 day/week digital timer

Optional wireless remote thermostat

High performance built-in twin bypass heat exchanger

Compact for easy installation

Simple user-friendly controls

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Free  
expertise with every boiler

**SALES 0843 479 4790**

**SERVICE 0843 479 0479**

**GENERAL ENQUIRIES 0843 479 0009**

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	Combination					System					Open Vent	
	Modena HE		Optimax HE Plus		DOMI condens HE HE 26c	Modena HE		Optimax HE PLUS			Optimax HE PLUS	
	27c	32c	31c	38c		18s	25s	18s	25s	35s	18ov	25ov
Ferrolli product codes	0T1R21GA (5yr) ZU0T1R21GA (2yr)	0T1R31GA (5yr) ZU0T1R31GA (2yr)	0M7F61GA	0M7F71GA	0CAJ51TA	0T2O11GA (5yr) ZU0T2O11GA (2yr)	0T2O21GA (5yr) ZU0T2O21GA (2yr)	0M7O31GA	0M7O41GA	0M7O71GA	0M7Q31GA	0M7Q41GA
Warranty*	5/2	5/2	5/2	5/2	2	5	5	5	5	5	5	5
NO <sub>x</sub> emissions class (mg/kWhr)	5	5	5+(23)	5+(22)	3+(126)	5	5	5+(19)	5+(23)	5+(22)	5+(19)	5+(23)
Energy marking rating (92/42 EEC directive)	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
SAP 2009 annual/2005 seasonal efficiency %	NG 89.2/90.3	89.2/90.3	89.0/90.4	89.3/90.5	88.4/90.0	89.2/90.2	89.2/90.2	89.4/90.5	87.0/88.0	89.4/90.6	89.4/90.4	89.1/90.5
	LPG 90.4/92.2	90.4/92.2	90.2/92.0	90.5/92.5	90.7/92.1	90.4/91.4	90.5/91.5	90.6/92.5	88.2/89.0	90.6/92.6	90.6/92.6	89.9/91.4
<b>Output max/min</b>												
Heat input	25.0/5.8	29.5/6.7	25.2/5.3	30.8/6.6	25.0	17.4/4	25/5.8	18.0/3.0	25.2/5.3	34.8/6.5	18.0/3.0	28.0/8.3
Useful heat output 80°C – 60°C	24.5/5.7	28.9/6.6	24.6/5.2	30.2/6.3	24.4	17/3.9	24.5/5.7	17.7/2.9	24.6/5.2	34.2/6.3	17.7/2.9	24.7/7.3
Useful heat output 50°C – 30°C	26.5/6.2	31.3/7.2	26.6/5.7	32.5/6.9	26.0	18.5/4.3	26.5/6.2	19.0/3.2	26.6/5.7	36.7/6.9	19.0/3.2	26.4/8.0
<b>Central heating</b>												
Maximum operating temperature	90	90	90	90	90	90	90	95	95	95	85	80
Operating pressure central heating	Max. bar 3	3	3	3	3	3	3	3	3	3	3	3
	Min. bar 0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.3	0.3
Expansion vessel capacity	litres 8	10	8	10	8	8	8	7	8	10	N/A	N/A
Expansion vessel pre-fill pressure	bar 0.8	0.8	1	1	1	0.8	0.8	1	1	1	N/A	N/A
Boiler water content	litres 1.7	2.1	1.5	2.0	1.5	1.7	1.7	1.0	1.5	2	1.0	1.5
<b>DHW</b>												
Maximum DHW production	Δt 25°C l/min 15.5	18.3	17.6	21.6	14.0	-	-	-	-	-	-	-
	Δt 30°C l/min 12.9	15.3	14.7	18.0	11.6	-	-	-	-	-	-	-
	Δt 35°C l/min 11.1	13.1	12.6	15.4	10.0	-	-	-	-	-	-	-
Operating pressure DHW	Max. bar 9	9	9	9	9	-	-	-	-	-	-	-
	Min. bar 0.3	0.3	0.25	0.25	0.25	-	-	-	-	-	-	-
<b>Dimensions &amp; weights</b>												
Height	mm 600	600	700	700	700	600	600	700	700	700	630	630
Width	mm 400	400	400	450	400	400	400	320	400	450	320	400
Depth	mm 320	320	330	330	330	320	320	300	330	330	280	280
Weight (empty)	kg 29	31.5	37	42	35	28	28	31	36	41	19	27
<b>Fittings</b>												
Gas fitting	mm 22	22	22	22	22	22	22	22	22	22	22	22
Central heating fittings	mm 22	22	22	22	22	22	22	22	22	22	22	22
DHW circuit fittings	mm 15	15	15	15	15	-	-	-	-	-	-	-
<b>Power supply</b>												
Max power input	W 100	120	130	140	135	100	100	115	115	140	50	50
Power supply voltage/frequency	V/Hz 230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz	230V/50Hz
Index of protection	IP IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D
<b>Maximum equivalent flue lengths</b>												
Max horizontal flue length 60/100mm Ø	m 7	7	5	5	5	7	7	5	5	5	5	5
Max vertical flue length 60/100mm Ø	m 8	8	6	6	6	8	8	6	6	6	6	6
Max horizontal flue length 80/125mm Ø	m 20	20	14	14	11	20	20	15	15	15	15	15
Max vertical flue length 80/125mm Ø	m 20	20	15	15	12	20	20	16	16	16	16	16
Total equivalent length two pipe 80mm Ø	m 80	70	75	55	55	80	80	95	95	95	95	95
Filling loop	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No
Hanging bracket	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Pre-wired mains cable supplied	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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