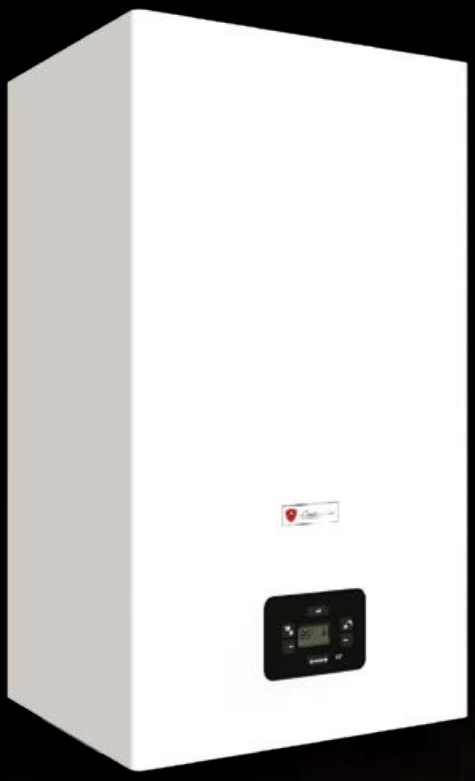
Lamborghini
CALORECLIMA



Easy Tech D

Instantaneous wall-mounted boilers with double exchanger and preset for system solar

EFFICIENCY, FUNCTIONALITY, STURDINESS

EASY TECH D is the new wall-mounted boiler with double exchanger offered by Lamborghini CaloreClima. Its sturdy construction and functional arrangement of internal components perfectly complete a sophisticated control system and a complete set of standard functions.

- **Primary heat** exchanger with compact geometry **made entirely of copper**
- **Instantaneous production** of domestic hot water with **dedicated plates** exchanger
- Simple and complete revamped control panel, **user interface with display** and setting keys
- **Circulator with 3 levels** di flow rate/head pressure with **anti-blocking system** that is activated for a few seconds every 24 hours of inactivity
- New **hydraulic group specifically designed** to allow **quick and easy maintenance** by the installer
- **Compact size** and contained weight
- Sliding temperature **operating mode** through external probe (optional)
- Can be combined with the **modulating remote control timer** (optional)
- Modulating**thermal flow** during both heating and production of DWH, managed by a microprocessor **electronic card**
- ECO/COMFORT system for **fast production** of DWH
- **Preset for solar energy system:** pre-set for production of domestic hot water combined with solar panel systems (SUN EASY)

PRODUCT IN PILLS

Operation in a **partially protected area** with a minimum temperature of **-5°C as standard**

Appliance that works with **climatic adjustment** at a sliding system temperature (optional external temperature probe)

Remote control of the boiler parameters via the remote control

Appliance that can be used with **preheating** systems for **domestic hot water**

Product for extra EU markets only

Appliance specifically designed to feature a **particularly simple** installation and maintenance

THE RANGE

Seven models for heating and for production of domestic hot water

model C24 - 32

NATURAL DRAUGHT, OPEN FLUE
THERMAL OUTPUT 23.5-31.3 kW
DHW 13.5-17.9 l/min at Δt 25°C

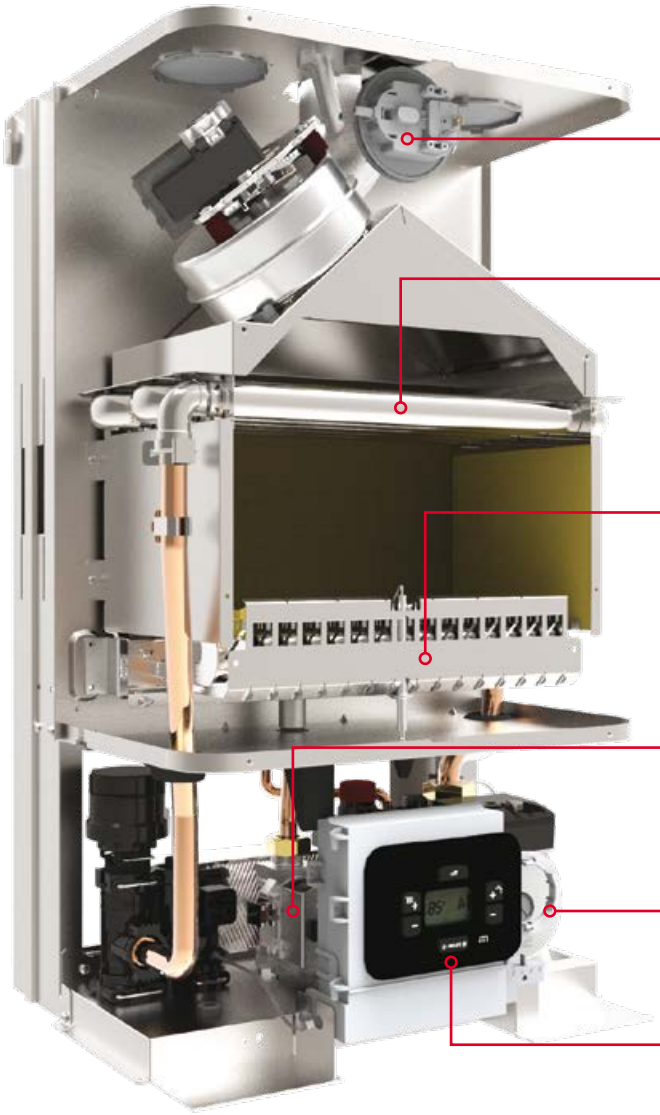
model F24 - 32 - 37

FORCED FLUE, ROOM SEALED
THERMAL OUTPUT 24-32-37 kW
DHW 13.8-18.3-21.1 l/min at Δt 25°C

model HF24 - 32

FORCED FLUE, ROOM SEALED
THERMAL OUTPUT 24-32 kW

COMPONENTS
FORCED FLUE, ROOM SEALED



AIR PRESSURE SWITCH

PRIMARY EXCHANGER

Primary central heating copper exchanger, protected by a non-toxic aluminium treatment

BURNER

Burner is made in stainless steel sections. Modulation occurs in central heating and domestic hot water mode

NEW HYDRAULIC GROUP

Specifically designed to allow quick and easy maintenance by the installer

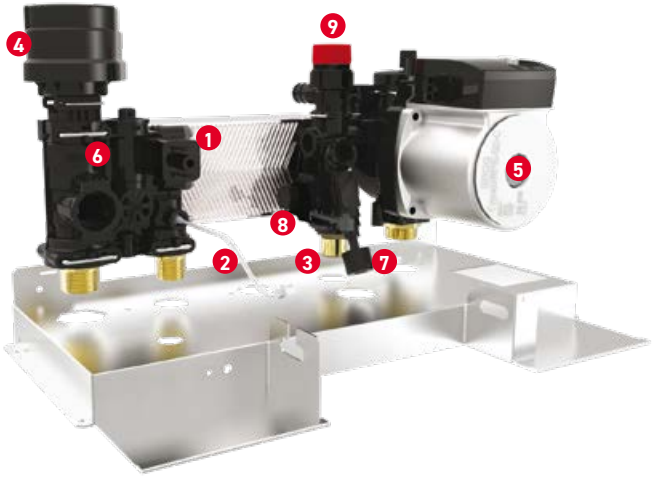
PUMP

Settable on 3 speeds

CONTROL BOARD

Includes display, setting buttons, Service input, pressure gauge

FOCUS ON ...
NEW HYDRAULIC GROUP

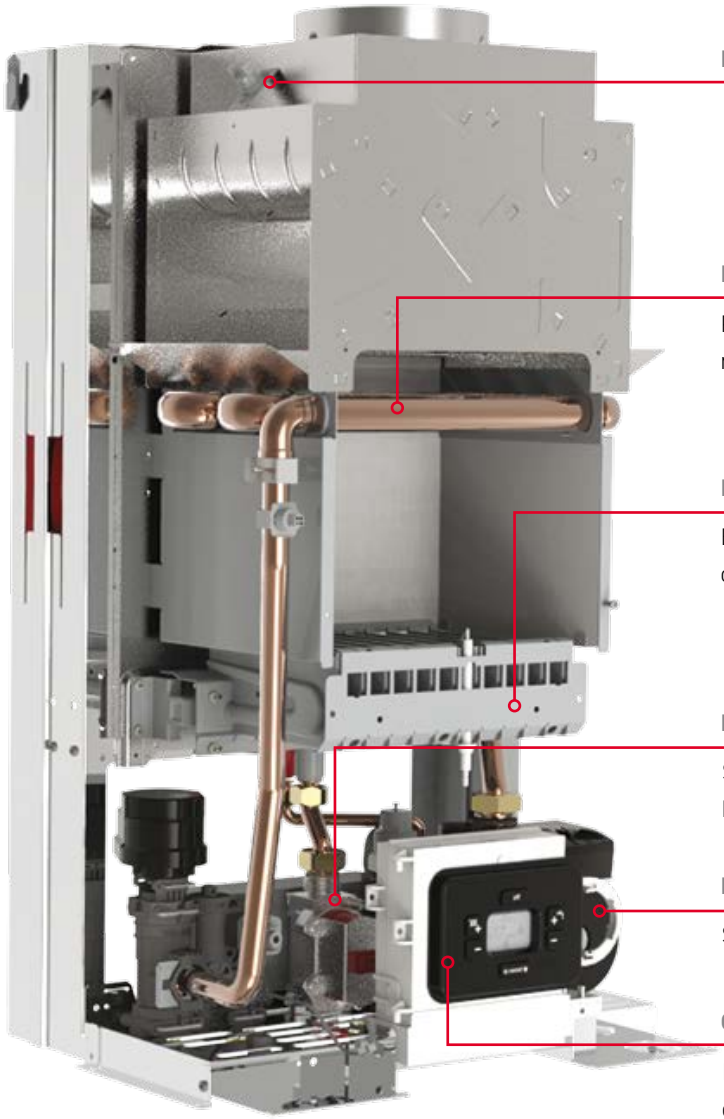


New hydraulic group specifically designed to allow quick and easy maintenance by the installer.

The disassembly and **replacement of the plate exchanger, if required,** can only take place **by removing two Allen bolts** that can be accessed from the front.

KEY 1 Water pressure switch **2** DHW sensor **3** DHW filter - flow restrictor **4** Electric diverting valve **5** Pump with automatic air vent **6** Automatic bypass **7** System filling tap **8** DHW flow meter **9** 3 bar relief valve combined with drain tap

COMPONENTS
NATURAL DRAUGHT, OPEN FLUE



FUME THERMOSTAT

PRIMARY EXCHANGER

Primary central heating copper exchanger, protected by a non-toxic aluminium treatment

BURNER

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PUMP

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CONTROL BOARD

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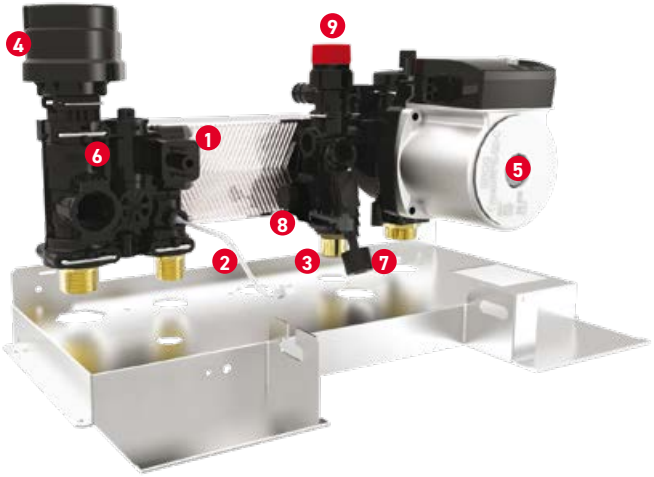
FOCUS ON ...
NEW HYDRAULIC GROUP



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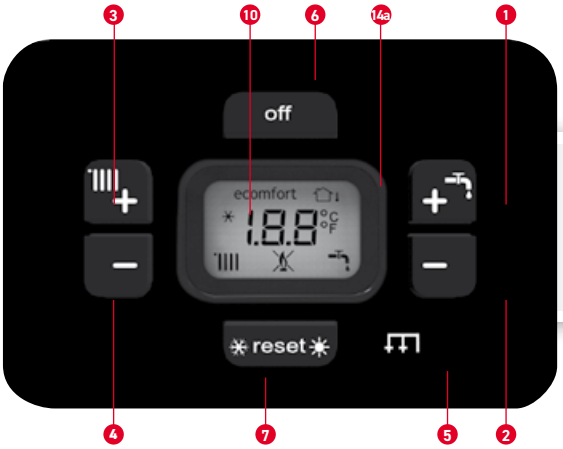
BOILER CONTROL
CONTROL BOARD AND FUNCTIONS

The **EASY TECH D** control unit consists of an easy-to-use interface with a **backlit display**.
The buttons allow you to easily adjust the heating delivery temperature and the domestic hot water setpoint, switch the generator on/off or activate the comfort function, while monitoring the boiler status. The control panel is complete with a traditional pressure gauge that can control the system pressure at any time.

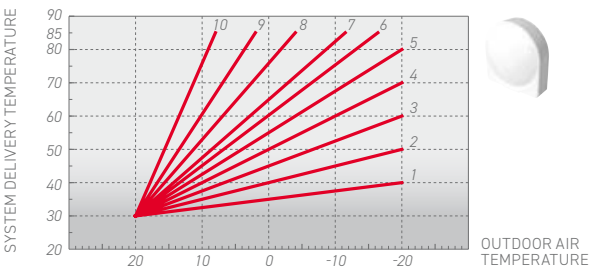


1-2 DHW temperature control **3-4** Heating system temperature control **5** Service tool connection **6** ON/OFF button - ECO/COMFORT mode selection key **7** "Reset", "Winter", "Summer" **10** Display multifunctions symbol **14a** Burner ON symbol (flashing during calibration and self-diagnosis phases)

REMOTE CONTROL
ENVIRONMENT AND CLIMATE

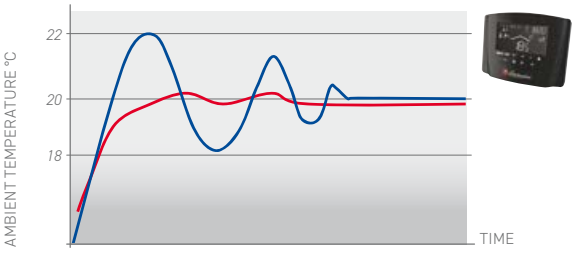
EASY TECH D can be coupled with a wide range of remote control timers for adjusting and controlling the device. The CRM N range comprises several models with weekly comfort programming and the option to choose either wired or wireless connection.

CLIMATIC



EXTERNAL CLIMATIC COMPENSATION

With connection to the external probe, EASY TECH D can change the **system's temperature based on the outdoor temperature** measured according to the climatic curves set, thus ensuring greater user comfort as the outdoor climate conditions change. This function is inside the boiler's electronic board and **does not require a remote control**, thus facilitating setting operations in the event of replacement.



ENVIRONMENTAL CLIMATIC COMPENSATION

The modulating function of CRM N allows the boiler's **power to be modulated** as the **value of the set room temperature** is reached. This improves the quality of comfort by eliminating heat peaks with consequent energy savings.

WITH CRM N REMOTE CONTROL TIMER

WITH NON-MODULATING AMBIENT THERMOSTAT

REMOTE CONTROL
WIRELESS SOLUTION: CONNECT

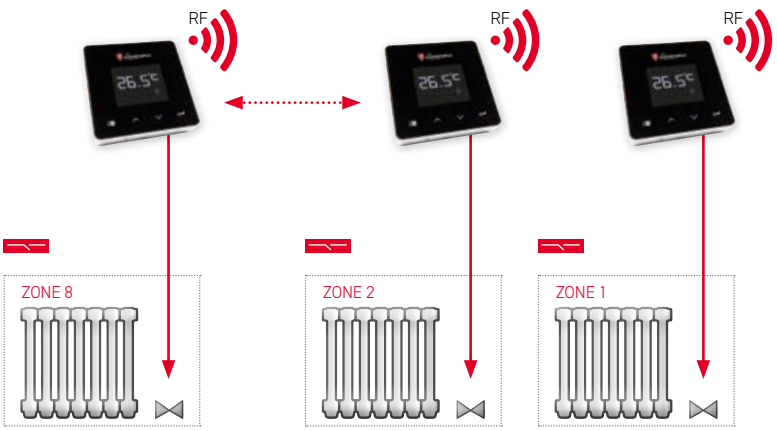
Control

RF/Wi-Fi receiver

CLIMATIC

- It can mange **until 8 zones** by additional control units
- **Connection to the home Wi-Fi network** through the supplied RF/WiFi receiver
- CONNECT APP available for switching the boiler on and off and **managing home comfort** for heating/DHW via remote control from Smartphone (iOS and Android)
- **Maximisation of ambient comfort** with modulating regulation of the flow temperature through the **Ambient Climatic Compensation (ACC) differentiated for each zone and Outdoor Climatic Compensation (OCC)** through **outdoor temperature detected directly from the Internet** (or from an optional outdoor probe)
- **Improves ambient heating medium seasonal efficiency by +4%**
- **Weekly hourly programming in 30-minute intervals** via APP CONNECT
- **Operating mode:** Off, Holiday, Automatic, Manual
- **Three modifiable temperature levels**: Comfort, Economy, Antifrost

MULTIZONE MANAGEMENT

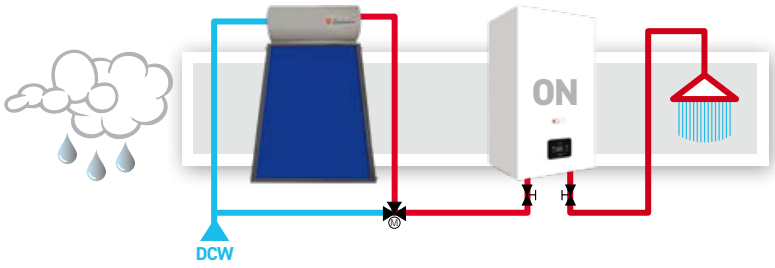


COMFORT AND SAFETY
FUNCTIONS

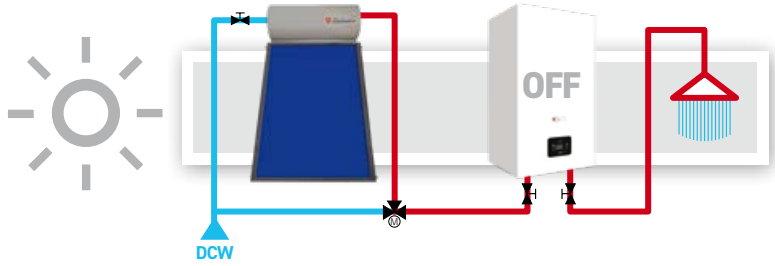
The designers have considered a set of functions that are able to guarantee the quality of DHW, the best power supply to the heating system as well as a longer service life of the device.

SUN EASY FUNCTION

EASY TECH D was designed to be installed easily into systems built with the most innovative technologies. The SUN EASY system is equipped with electronics that **simplify operation with solar panels**, both with natural and forced circulation. A sensor situated on the DHW circuit constantly controls the pre-heated water temperature from the solar panels, providing burner ignition only if the said temperature drops below the level required to ensure optimal user comfort.



In case of insufficient irradiation and therefore the domestic hot water being modestly pre-heated, the boiler will contribute with the necessary heat to reach the required setpoint temperature.



If the sun and the solar system fulfil their "duty", no integration from the boiler will be necessary; the hot water will be conveyed to the tap, without additional devices being required, with the mixing of the thermostatic valves.

ANTIFROST

Also in standby-mode, in case the temperature in the boiler drops to 5°C (temperature detected by CH or DHW sensor), the burner is automatically ignited at the minimum output and pump is also switched on. Thereby the appliance is protected against damages caused by frost. This function is active when the boiler is gas and power supplied.

POST-CIRCULATION

This function permits to recover all heat stocked for thermal inertia in the central heating exchanger and transfer it to the heating system, and as a consequence to the rooms. It is a timed function (with customisable span) and it is active after the burner switches off in heating mode.

TEMPERATURE COMPENSATION OPERATION

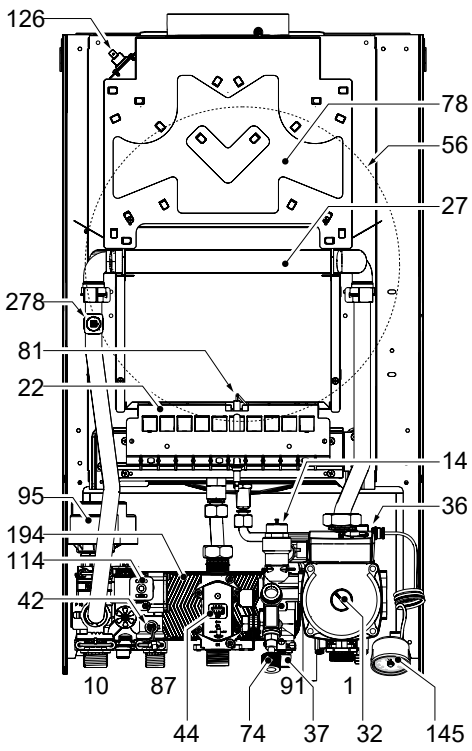
The "outside probe" kit can be installed to operate the boiler with system flow temperature compensation. This means that without using the buttons on the system's temperature controller, the boiler automatically adapts to the variations in the outside temperature. As a result, this results in energy savings while still guaranteeing maximum comfort for the user.

EASY CONTROL

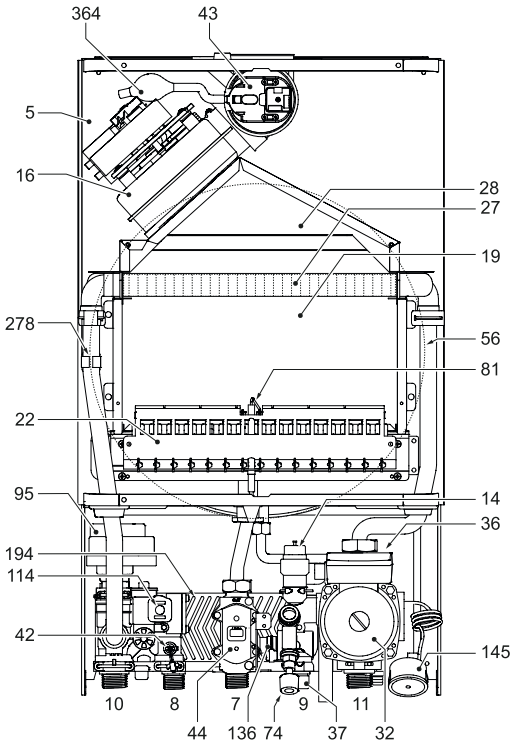
The Opentherm communication protocol is adopted in EASY TECH D control board. Opentherm allows integration of other system ancillaries, such for example, CRM N / CONNECT remote control, specially studied to combine with the boiler microprocessor operational logics. Opentherm, as a digital protocol, permits complete boiler-satellite integration, with full control of functions and information from the boiler and likewise from its satellite.

SPECIFICATIONS
COMPONENTS

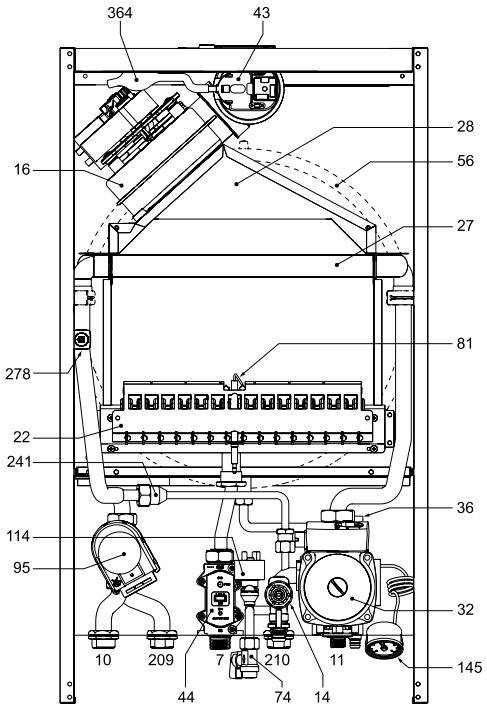
model C



model F



model HF



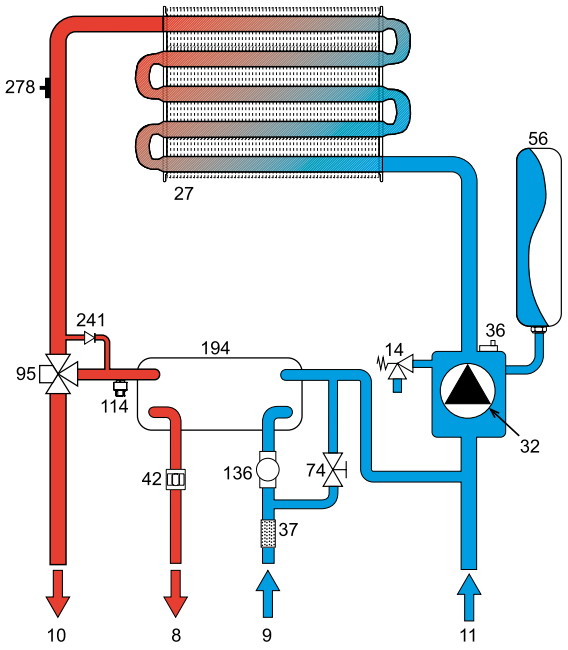
KEY

5 Sealed chamber
7 Gas inlet - Ø 3/4"
8 DHW outlet - Ø 1/2"
9 DHW inlet - Ø 1/2"
10 System flow - Ø 3/4"
11 System return - Ø 3/4"
14 Safety valve
16 Fan
19 Combustion chamber
22 Burner
27 Exchanger
28 Fume manifold
32 Circulating pump
36 Automatic air vent
37 Cold water inlet filter
42 DHW temperature sensor
43 Air pressure switch
44 Gas valve
56 Expansion vessel
74 System filling faucet
78 Anti-backflow device
81 Ignition and detection electrode
95 Diverter valve
114 Water pressure switch
126 Fume thermostat
136 Flowmeter
145 Pressure gauge
194 DHW exchanger
241 Automatic bypass
278 Double sensor (safety + heating)
364 Anti-condensation fitting

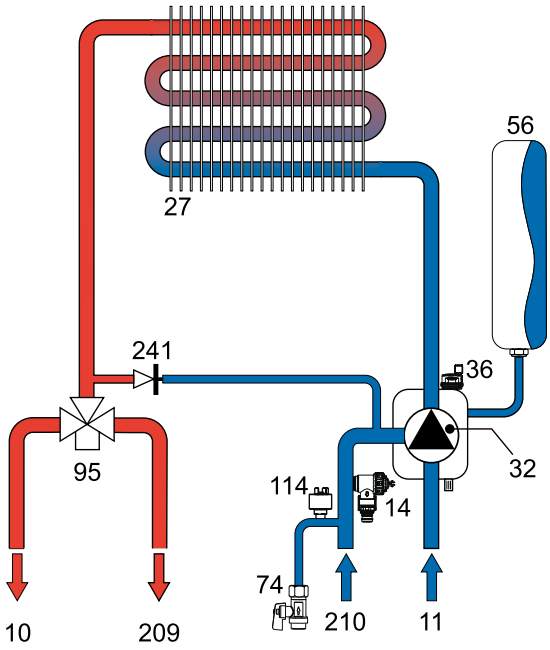
SPECIFICATIONS

HYDRAULICS / SUMMARY TABLE

model C / F



model HF



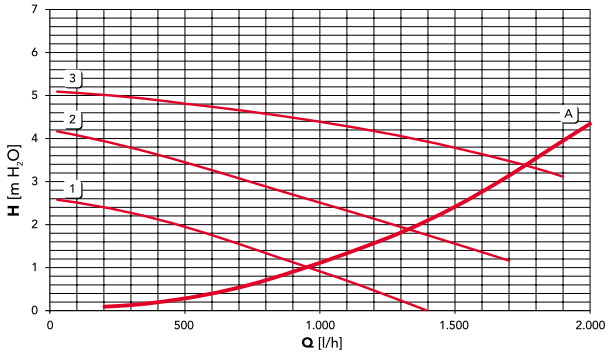
KEY 8 DHW outlet - Ø 1/2" **9** DHW inlet - Ø 1/2" **10** System flow - Ø 3/4" **11** System return - Ø 3/4" **14** Safety valve **27** Exchanger **32** Circulating pump **36** Automatic air vent **37** Cold water inlet filter **42** DHW temperature sensor **56** Expansion vessel **74** System filling faucet **95** Diverter valve **114** Water pressure switch **136** Flowmeter **194** DHW exchanger **209** Hot water tank delivery - Ø 3/4" **210** Hot water tank return - Ø 3/4" **241** Automatic bypass **278** Double sensor (safety + heating)

MODEL			C 24	C 32	F 24	F 32	F 37	HF 24	HF 32
Heating capacity	Max	kW	25.8	34.4	25.8	34.4	39.7	25.8	34.4
	Min	kW	8.3	11.5	8.3	11.5	14.0	8.3	11.5
Heat output in heating	Max	kW	23.5	31.3	24.0	32.0	37.0	24.0	32.0
	Min	kW	7.0	9.7	7.2	9.9	12.9	7.2	9.9
Heat output in hot water production	Max	kW	23.5	31.3	24.0	32.0	37.0	-	-
	Min	kW	7.0	9.7	7.2	9.9	12.9	-	-
Efficiency Pmax (80-60°C)		%	91.2	91.2	92.9	93.1	93.2	93	93.1
Efficiency 30%		%	89.8	89.8	90.5	91	91	90.5	91
NOx emission class		-	3	3	3	3	3	3	3
Working pressure in heating	Max	bar	3	3	3	3	3	3	3
	Min	bar	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Max heating temperature		°C	90	90	90	90	90	90	90
Heating water content		litres	0.8	1.2	1	1.2	1.5	0.7	1.1
Heating expansion tank capacity		litres	8	8	8	10	10	8	10
Heating expansion tank prefilling pressure		bar	1	1	1	1	1	1	1
Working pressure in hot water production	Max	bar	9	9	9	9	9	-	-
	Min	bar	0.3	0.3	0.3	0.3	0.3	-	-
DHW flow rate	Δt 25°C	l/min	13.5	17.9	13.8	18.3	21.1	-	-
	Δt 30°C	l/min	11.2	14.9	11.5	15.3	17.6	-	-
Protection rating		IP	X4D	X4D	X4D	X4D	X4D	X4D	X4D
Electrical power input		W	80	90	110	135	135	110	135
Electrical power input in hot water production		W	80	90	110	135	135	-	-
Empty weight		Kg	27	30	32	35	37	32	35

SPECIFICATIONS

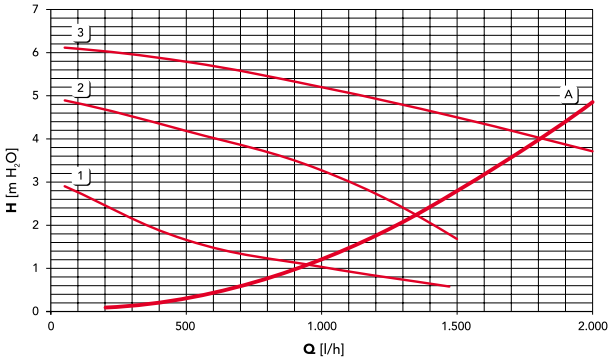
AVAILABLE CIRCULATION HEAD

MOD. C 24



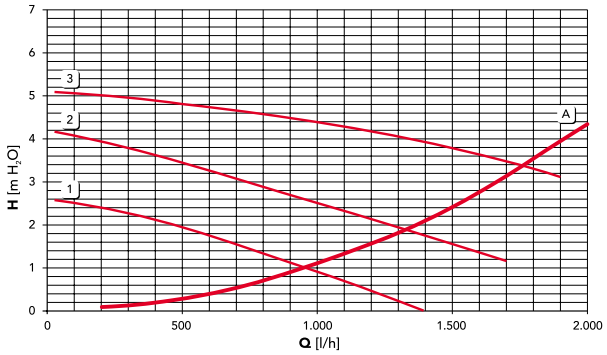
A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

MOD. C 32



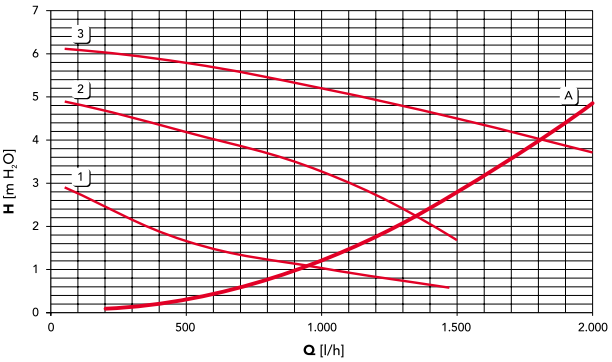
A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

MOD. F 24



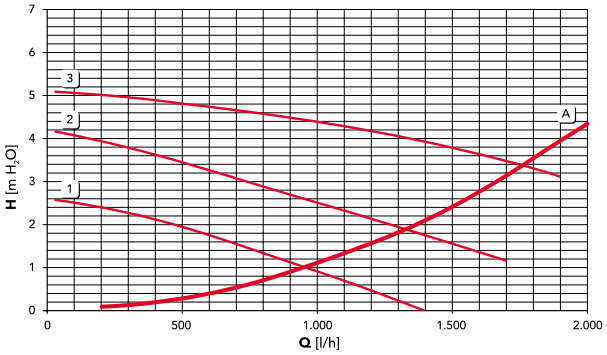
A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

MOD. F 32 / F 37



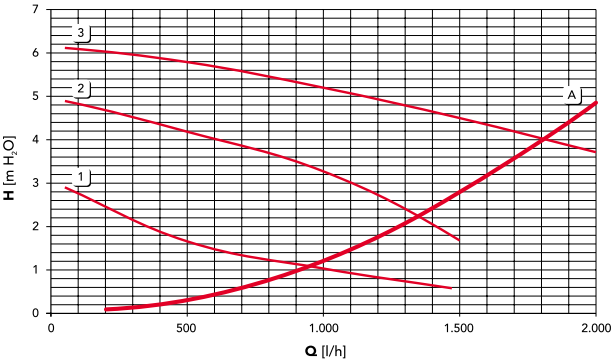
A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

MOD. HF 24



A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

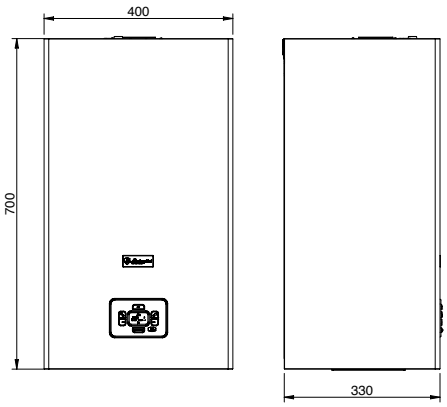
MOD. HF 32



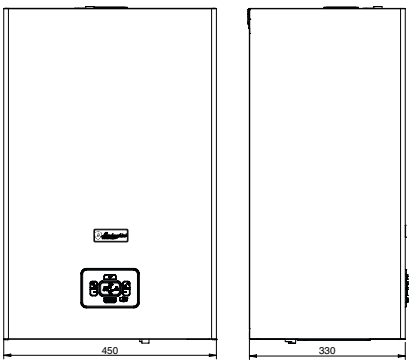
A Boiler pressure losses
1 - 2 - 3 Circulating pump speed

SPECIFICATIONS
DIMENSIONS

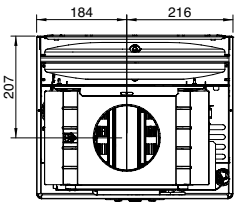
MOD. C 24 / C 32 / F 24 / F 32 / HF 24 / HF 32



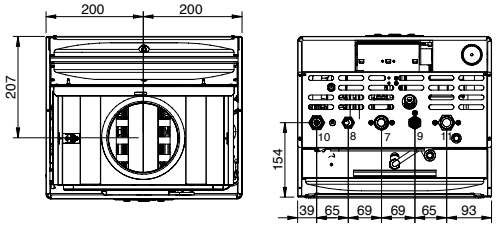
MOD. F 37



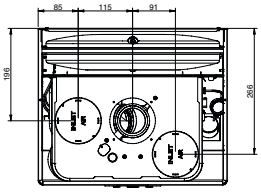
MOD. C 24



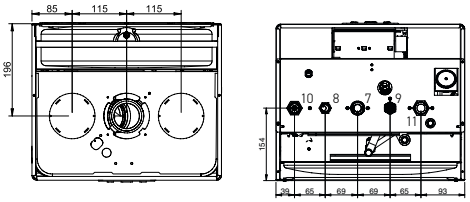
MOD. C 32



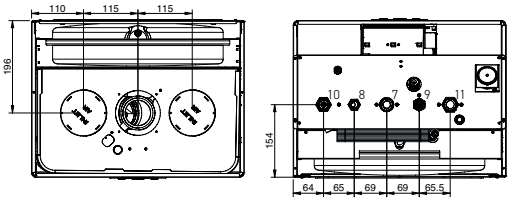
MOD. F 24



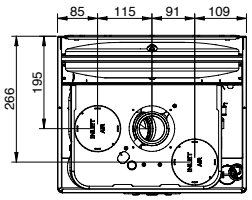
MOD. F 32



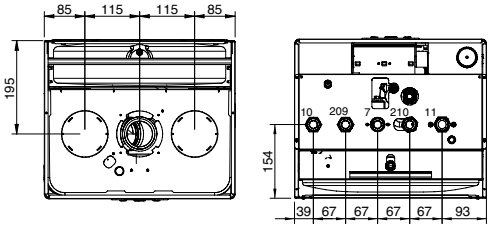
MOD. F 37



MOD. HF 24



MOD. HF 32



KEY 7 3/4" gas inlet **8** 1/2" domestic hot water outlet **9** 1/2" domestic hot water inlet **10** 3/4" system delivery **11** 3/4" system return **209** Hot water tank delivery - Ø 3/4" **210** Hot water tank return

The illustrations and data provided are indicative. Lamborghini CaloreClima reserves the right to make any changes deemed to be most appropriate for the improvement of the product or of the service offered without being obliged to give prior notice.

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