

"SmartLife Technology guarantees your Elnur Connected heating system will provide ease of control wherever you are."



How does Elnur Connected Work?

The Elnur Connected range is designed to provide the optimum internal wireless signal strength and also to enable "base" operation even if the broadband service within the property is offline.

Gateway



The Elnur Connected Gateway is the beating heart of every system and creates a strong internal property Wi-Fi network in conjunction with room/zone thermostats and appliance receivers.

This Gateway is directly connected to your home broadband router to ensure the very best connection to your broadband.

Zone Thermostat



The Elnur Connected, Wireless Room/Zone Thermostat "pairs" directly to the heater receiver and provides a home user interface to offer the occupants wireless central control within the property.

When the "Gateway" is also paired and operational, the user can easily set up and adjust programming for time and temperature from anywhere using their Smartphone or Tablet. When used without the "Gateway", this enables the client to provide a wireless control system without internet access.

Programmable Room Thermostat



The Elnur Connected Programmable Room Thermostat is automatically supplied with one of our "Boiler Thermostat" packs and can also be purchased separately to provide an optional home user interface instead of the Wireless Room/Zone Thermostat.

Versatility

To provide optimum versatility, the Elnur Connected range caters for all client types from electricians to homeowners to house-builders. Every Elnur Connected appliance is automatically provided with a receiver to communicate with the various options available.

The client can then choose how they want to control their system:

1. Internal wireless control without internet access.
2. Internal wireless control with internet access.

Even if the "without internet access" option is chosen, this can be added at a later date, and is of particular benefit to house-builders by providing central control as standard, with an upgrade option to buyers if required.

ELNUR CONNECTED

THE SMART WAY TO CONTROL YOUR HEATING



MATTIRA

Electric System and Combi Boilers

Gabarrón
Manufacturing Excellence



"Mattira offers you the best reliability, safety and comfortability in your home."

ELNUR CONNECTED

Mattira, one of the safest and most reliable electric boilers on the market

Mattira is the new electric boiler range to cover your Domestic Hot Water and Heating needs. Mattira is the ideal option when a totally safe and reliable efficient central heating system is required.

It is the perfect solution for properties with no access to a mains gas supply or homes which have gas boiler restrictions.

With this new range of digital electric boilers, GABARRÓN offers you the opportunity to enjoy the safety and convenience of electricity. Mattira is the ideal option when a totally safe, reliable and efficient central heating system is required.

Our digital electric boilers are the only ones on the market that regulate energy consumption according to the heating needs of the installation, taking into account not only the ambient temperature, but also the external temperature.

Mattira ensures the optimum comfort in your home, with the maximum running cost savings.

Elnur Connected is the perfect control system for your new Mattira boiler. Easy to install and set up, the Elnur Connected boiler control system can be operated in the home or from wherever you are by using the purpose designed App on your Smartphone or Tablet.

This SmartLife Technology is the perfect solution for ultimate home heating efficiency and an ideal choice for houses, apartments, holiday homes and weekend cottages as well as offices, commercial properties and public meeting / community halls.

All Mattira electric boilers can be limited to any output between 3 and 12 kW on single



phase supplies and up to 15 kW on three-phase supplies.

Main features and benefits

Energy Savings



Heating Modulation

The advanced control board on the boiler will automatically modulate the heating output to the demand required to save energy. This modulating feature of GABARRÓN electric boilers is managed by a Smart Electronic Modulating system (SEM system) which recalculates every 20 seconds in order to regulate the consumption depending on the real heat demand. It applies TRIAC technology combined with an external chrono-thermostat to continuously adapt the heating capacity to the heating needs of the premises, thus achieving 100% energy efficiency and overall savings in energy costs.

Maximum Comfort



Auto Heating Regulation

Additionally, it is possible to regulate the temperature at which the boiler drives the water heating circuit depending on the outdoor temperature. This method of regulation provides maximum comfort as it anticipates changes in the thermal needs of the house. The room thermostat continues to regulate the temperature inside the house. The connection of an external temperature sensor is required to activate this mode.



Easy Installation

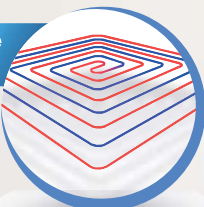
Gabarron Mattira electric boilers come fitted with all the components required to operate the unit, including a template for ease of installation. Installation is quick and easy and can usually be completed in a single day.



5 Years Guarantee

Your new Gabarron Mattira electric boiler from Elnur is warranted against faulty materials and manufacture defects. This warranty will give you total peace of mind and protection. Full terms and conditions of the warranty are detailed in the manual supplied with the boiler which can also be downloaded from our website - www.elnur.co.uk. The internal unvented hot water cylinder is warranted against faulty materials and manufacture defects for a period of 5 years from the date of purchase. The remainder of components are warranted against faulty materials and manufacture defects for a period of 2 years.

Compatible Underfloor



Compatible with Underfloor Heating

The entire range of GABARRÓN boilers can be used with hot water radiators or with radiant floor or overhead heating. In addition, Mattira boilers can be installed in combination with other heating systems such as thermal solar panels, heat pumps, etc...

“Trying to decide on the best central heating for your home? Feel the perfect experience of comfortability with Mattira Modulating Electric Boilers, a safe and warm ambience in your home.”

Legionella Protection

The new Mattira Combi Boilers include our “Legionella Protection” system. If this function is activated, the DHW temperature is raised once a week to the maximum allowed, preventing Legionella growth through water temperature control.



Frost Protection Mode

It is possible to select an anti-freeze mode for frost protection during periods of inactivity. By selecting the frost protection mode, the heating system will activate automatically if the boiler temperature falls under 8°C.



Digital Display

Mattira boasts an intuitive and user friendly digital display. The digital display constantly shows the temperature of the circulating heating water and of the domestic hot water tank (DHW) in combi boilers. Heating and DHW are independent modules, this means that we can turn off the heating and only keep the DHW or vice versa. In both displays the keyboard lock can be activated to avoid changes being made.



Building Regulations G3 compliant

The Mattira Combi boiler incorporates a 50 litre unvented hot water store to optimise hot water performance. As such, careful consideration to the boiler design has been taken to ensure that the Mattira Combi Boiler incorporates all components and operates in full compliance with G3 of the Building Regulations.



Erp Compliant

The objective is to reduce adverse and greenhouse gas emissions to limit the environmental impacts throughout the life-cycle of a product, with emphasis placed on the design and development stages of a product with a view to improving its energy efficiency.





MAC

MATTIRA COMBI

*Digital Modulating Electric Boiler,
for heating and domestic hot water*

Technical features

Heating boiler made of insulated steel.

Modulating electronic control of the heater by **SEM system** (Smart Electronic Modulating system).

50L DHW tank made of insulated stainless steel, CFC free.

Stainless steel shielded elements - INCOLOY800 for heating and DHW.

6L heating expansion vessel.

2L DHW expansion vessel.

Pressure gauge 0-4 bar.

Circulating pump.

Auto air vent.

Silent TRIAC power switches.

Auto Heating Regulation Mode.

Heating flow detector.

Heating temperature limiter 100°C.

DHW temperature limiter 80°C.

Heating pressure relief valve 3 bar.

DHW pressure relief valve 7 bar.

DHW anti-electrolysis hoses.

Powder coated RAL 9010.

Wall bracket steel template to set up connections easily.

Compatible with Ambient Thermostats TA4D, CTP10, X3D and the Elnur Connected range of internet thermostats, all available as accessories.

Also suitable for use with under floor heating.

| MODEL | | MAC15 | | | | | | | | | | | |
|---------------------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Selectable output | kW | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 |
| kcal/h | kcal/h | 2580 | 3440 | 4300 | 5160 | 6020 | 6880 | 7740 | 8600 | 9460 | 10320 | 11180 | 12900 |
| Current 3x400 V+N~ | L1 A | 13,0 | 0 | 8,7 | 8,7 | 8,7 | 13,0 | 13,0 | 13,0 | 21,7 | 8,7 | 21,7 | 21,7 |
| | L2 A | 0 | 8,7 | 13,0 | 8,7 | 13,0 | 8,7 | 13,0 | 8,7 | 13,0 | 21,7 | 21,7 | 21,7 |
| | L3 A | 0 | 8,7 | 0 | 8,7 | 8,7 | 13,0 | 13,0 | 21,7 | 13,0 | 21,7 | 13,0 | 21,7 |
| *Current 230 V~ | A | 13,0 | 17,4 | 21,7 | 26,1 | 30,4 | 34,8 | 39,1 | 43,5 | 47,8 | 52,2 | Ask | Ask |
| **DHW Recovery time | min | 29'04" | 21'48" | 17'26" | 14'32" | 12'27" | 10'54" | 9'41" | 8'43" | 7'56" | 7'16" | 6'42" | 5'49" |

*Using included bridge connection.

** Recovery time in minutes to heat DHW from cold to 55°C.

| MODEL | | MAC15 |
|------------|----|---------------------|
| Voltage | V | 3x400 V+N / 220-240 |
| Frequency | Hz | 50-60 |
| Insulation | | Class I |
| Net Weight | kg | 61 |
| EAN 13 | | 8432336804663 |



MAS15
Wall mounted

MAS

MATTIRA SYSTEM

*Digital Modulating Electric Boiler,
Heating Only*

Technical features

Wall mounted heating boiler made of insulated steel.

Modulating electronic control of the heater by **SEM system** (Smart Electronic Modulating system).

Stainless steel shielded elements - INCOLOY 800.

6L heating expansion vessel.

Modulating electronic control of the heater.

Auto Heating Regulation Mode.

Pressure gauge 0-4 bar.

Circulating pump.

Auto air vent.

Silent TRIAC power switches.

Heating flow detector.

Heating temperature limiter 100 °C.

Heating 3 bar relief valve.

Also suitable for use with under floor heating.

Powder coated RAL 9010.

Wall bracket steel template to set up connections easily.

Compatible with Ambient Thermostats TA4D, CTP10, X3D and the Elnur Connected range of internet thermostats, all available as accessories.

| MODEL | | MAS15 | | | | | | | | | | | |
|--------------------|--------|-------|------|------|------|------|------|------|------|------|-------|-------|-------|
| Selectable output | kW | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 15 |
| kcal/h | kcal/h | 2580 | 3440 | 4300 | 5160 | 6020 | 6880 | 7740 | 8600 | 9460 | 10320 | 11180 | 12900 |
| Current 3x400 V+N~ | L1 A | 13,0 | 0 | 8,7 | 8,7 | 8,7 | 13,0 | 13,0 | 13,0 | 21,7 | 8,7 | 21,7 | 21,7 |
| | L2 A | 0 | 8,7 | 13,0 | 8,7 | 13,0 | 8,7 | 13,0 | 8,7 | 13,0 | 21,7 | 21,7 | 21,7 |
| | L3 A | 0 | 8,7 | 0 | 8,7 | 8,7 | 13,0 | 13,0 | 21,7 | 13,0 | 21,7 | 13,0 | 21,7 |
| *Current 230 V~ | A | 13,0 | 17,4 | 21,7 | 26,1 | 30,4 | 34,8 | 39,1 | 43,5 | 47,8 | 52,2 | Ask | Ask |

*Using included bridge connection.

| MODEL | | MAS15 |
|------------|----|---------------------|
| Voltage | V | 3x400 V+N / 220-240 |
| Frequency | Hz | 50-60 |
| Insulation | | Class I |
| Net Weight | kg | 29,5 |
| EAN 13 | | 8432336804700 |