



ELNUR

MODULATING ELECTRIC BOILERS

FOR HEATING AND DOMESTIC HOT WATER
OR ONLY HEATING



Gabarrón
Manufacturing Excellence



ELNUR HISTORY

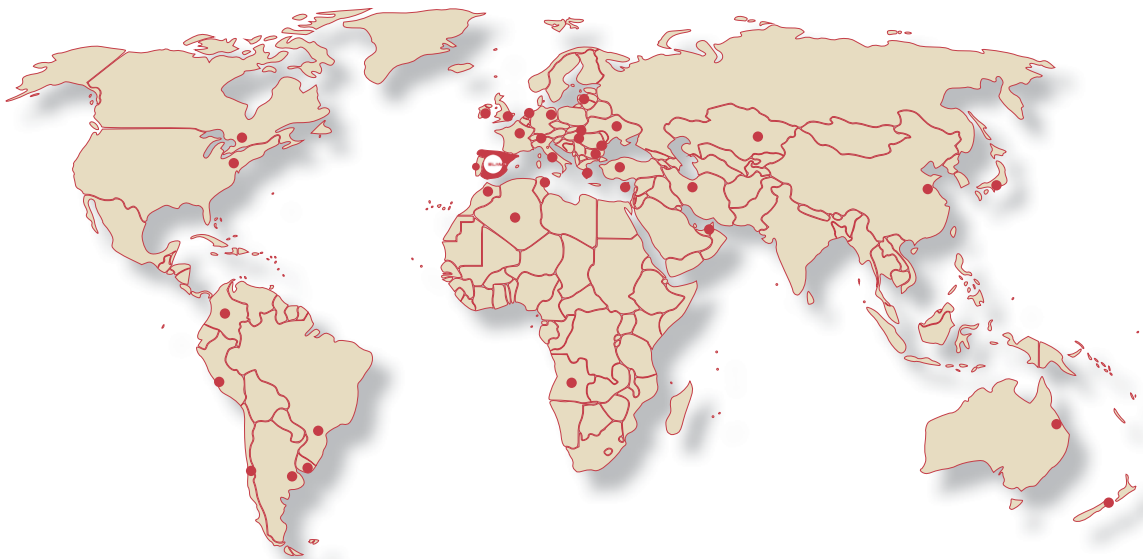
ELNUR was founded in 1973 and since then, we have established ourselves as one of the leading European providers of the most efficient heating system in the world: electric heating.

With facilities spanning over 20,000 m², an extensive general and technical team and a complete range of products developed to meet the highest expectations of our customers. At **ELNUR** we provide you with the most efficient solutions in an ever-changing world.

40 years on, we maintain the same enthusiasm and commitment to offering a wide range of unique products which can cater to the varying needs of our customers, wherever in the world they may be.

With a commercial presence in more than 35 countries, and a strong exclusive distribution network in 15 of these, we have gained a presence in thousands of homes, always offering the best solution in electric heating.

Our greatest wish is for our customers to have the luxury of experiencing excellence by using **GABARRÓN** products, which are guaranteed to bring real warmth and comfort to your home.



“Let us invite you to meet **ELNUR** and experience the values and benefits that our **GABARRÓN** products will bring to your life.”



QUALITY

ELNUR is fully committed to quality. We therefore have complete control over the processes occurring in all areas of the company, which is certified by the official ISO 9001 standard.

Take for example, the rigorous control applied to each phase of the production process from initial design of the product, through the continuous assessment of suppliers and materials, to the monitoring of each stage in the manufacturing process and the final check of every single product which are tested one by one before packaging.

As a result, complete traceability is established for each of the products that we design and manufacture, and we guarantee our customers that every appliance leaving our factory is in full working order.

GABARRÓN products are uniquely designed and manufactured using high quality materials and components, which constitutes a significant advantage when it comes to providing an excellent level of performance and efficiency.

ELNUR holds various official certifications which guarantee compliance with quality and environmental standards.



INTERNATIONAL COMPANY CERTIFICATIONS



ISO 9001

ISO 9001: 2008 Quality Control Management System, which certifies the implementation and maintenance of the system through a cycle of continuous improvement in the performance of its procedures in all areas of the company, with the aim of achieving greater customer satisfaction..



ISO 14001

ISO 14001: 2004 Environmental Management System, which guarantees that our procedures are developed in accordance with environmental care and respect throughout the production process, from the design stage to the final stages of production.

SERVICE

The same level of demand, dedication and commitment that we offer with our products is also reflected in our customer service: personalised assistance, continuous monitoring, technical advice, project management, professional after-sales technical support....

A product manufactured in accordance with the highest level of quality performance deserves to be complemented by excellent service. At **ELNUR**, all departments are customer-focused, offering quick and efficient solutions to any problems that may arise.

If you have any queries about the company or our products, please email us at the following address:

esales@elnur.co.uk

CUSTOMER SERVICE

Our Customer Service Team will answer each and every query you may have, whether it relates to delivery schedules, confirmation of when a product is dispatched, or placing an order. Any member of the team will be able to help you and deal with your request as quickly as possible keeping you informed at all times.

Customer Service Telephone Numbers: 01942 670119

You can also contact us by email at:

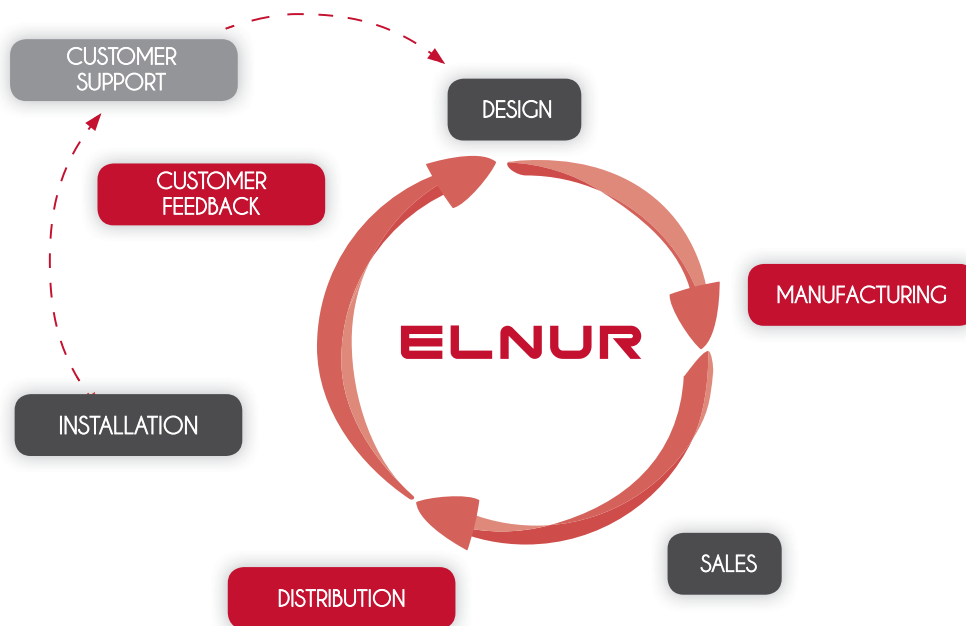
esales@elnur.co.uk



AFTER-SALES TECHNICAL SUPPORT

ELNUR's job does not finish when the goods are dispatched. We are committed to initial development, manufacturing and customer service. And this customer service includes not only the delivery, but also a professional after-sales service to help our customers with any concerns or technical issues. We have an Authorised Technical Services Network providing effective technical assistance all over the country, irrespective of the location or the product.

If you have any questions on this matter, our Customer Service Team will be able to inform you of your nearest



Authorised Technical Service or will make a record of your issue so that the technical team can get in contact with you as soon as possible.

technical@elnur.co.uk

PROJECT MANAGEMENT

We know that many concerns may arise when it comes to evaluating your project requirements. Our Projects Department will advise you on each of the areas of your project and will offer you the best solution, taking into account potential options so that you can suggest a number of different alternatives to the end customer.

projects@elnur.co.uk

PROFESSIONAL ADVICE

In this department you can get the assistance you need in order to solve any technical concerns you may have. We will provide direct and personalised assistance, offering the support necessary to resolve any issues with installing or setting up any of our products.

advice@elnur.co.uk

CONTINUOUS TRAINING

In line with our commitment to customers and end users, we cannot ignore the fact that professionals need support in order to gain a complete knowledge base with regard to **GABARRÓN** product ranges and to the potential technical solutions that they may require for the different systems.

For this reason, we have developed a complete Training Program which includes technical training courses for each of our product ranges. These courses are taught by our best experts. Their ultimate aim is to help professionals in their daily work and for them to become more familiar with the significant advantages of installing GABARRÓN products.

These courses are totally free of charge, and can be given at on-site locations all over the country.

If you are an installer, don't think twice. Take advantage of this training opportunity based on the principles of real quality and continuous improvement. You can request information about upcoming conferences or specific technical courses for the different ranges of GABARRÓN products.

training@elnur.co.uk



SAFETY

Electric heating is one of the cleanest and safest heating solutions currently available.

None of our products emit gases or direct pollution when operating. They do not require materials such as gas or diesel fuel to function, so there is no risk of leaks or explosions.

Due to the simplicity and safety of their installation and operation, GABARRÓN electric heating products do not require any form of regular maintenance, therefore avoiding the inconvenience of unnecessary annual costs for users.

Just the electric boilers and storage water heaters with magnesium anode inside require a minimum maintenance.



"Because safety for your family is what matters most, investing in electric heating systems is the right decision"

SUSTAINABILITY

Interest in environmental care is increasing, as well as the concept of manufacturing in compliance with environmental protection standards. Human beings use the natural resources of the planet believing that they constitute an inexhaustible source, and at the same time the current levels of industrialization and consumption increasingly pollute the habitat that surrounds us.

This is why **ELNUR** is totally committed to working and manufacturing in accordance with the appropriate certification under the Environmental Management System which guarantees environmental care and respect under the parameters established in the ISO 14001 standard.

Not only do we wish to minimize the negative impact on our ecosystem, we also continuously strive to improve and produce increasingly advanced and efficient products with minimum energy consumption.

Gabarrón ranges do not produce gases or fumes, nor do they directly emit any pollutants to the environment when operating.

They can be used with renewable energy sources coming from natural resources such as sun or wind.

Please join us in reducing the carbon footprint, and together we can combat its negative impact.



"Taking care of the planet is in our hands"





MODULATING ELECTRIC BOILERS

FOR HEATING AND DOMESTIC HOT WATER
OR ONLY HEATING

GABARRÓN ranges electric boilers offer you the opportunity to enjoy the safety and convenience of electricity.

They are the ideal option when a totally safe and efficient central heating system is required.

The entire range of GABARRÓN boilers can be used with hot water radiators or with radiant floor or overhead heating. They also offer the option of programmable ambient thermostats or chrono-thermostats that are available as accessories.



DIGITAL MODULATING ELECTRIC BOILERS

Modulation in electric boilers was unthinkable some years ago. Controlling the flow was more straightforward for non-electric heating systems such as gas or even diesel for industrial facilities. Modulating electric heating was rather more of a challenge. There was no technology that modulated electricity consumption up until now.

Thus, **ELNUR's** effort's in research and continuous improvement, resulted in launching the first digital modulating boilers for the domestic market.

Today, five years later, we continue to be the only ones in the market offering this innovative product that regulates energy consumption according to the heating needs of the installation at all times.

The modulating feature of the **GABARRÓN** electric boilers is managed by a **Smart Electronic Modulating System (SEM)**. 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.

Gabarrón electric boilers come in two power capacity ranges. While the CM15 models can be limited to any output between 3 and 15 kW, the CM18 and CMX18 can do so between 3 and 18 kW.

This range of modulating boilers is available both as heating boilers and as heating and domestic hot water (DHW) boilers.

The boilers come fitted with all the components required to operate the unit. You only need water inlets and outlets, along with an electrical socket. You will just need an external ambient thermostat connected to the electronic card to trigger the **SEM system (Smart Electronic Modulating System)**. You can find some of the thermostat options in the accessories section of this catalogue.

GABARRÓN digital boiler models can be fitted to both 3X400V+N three-phase and 230V~ single-phase networks, just by fitting the connector bridge that you will find inside, to the terminal blocks.

100% SAFE

Electric heating is one of the cleanest and safest systems nowadays.

None of our boilers emit gasses or direct pollution when operating. They do not operate using fuels such as gas or diesel and there is therefore no risk of leaks or explosions.

Given its straightforward installation and operating, this range of electric boilers, unlike others, do not need any type of regular servicing or inspections, which is more convenient and saves on unnecessary costs.

GABARRÓN boilers do not require complex maintenance and they are even programmed to prevent the blocking of the circulation pump due to stagnant water after long periods of inactivity. The Anti-Blocking Control will run for short bursts of time during those periods of inactivity.

The stainless steel water tank of the mixed CMX models guarantees a long corrosion-free life, reducing the need for periodic servicing and replacement of anodes.

The different sensors that come with this range of boilers, such as the temperature, flow and consumption sensor, guarantee a problem-free and safe operation.

INTUITIVE HANDLING AND USER FRIENDLINESS

The digital displays always show the circulation temperature of the heating water and of the Domestic Hot Water (DHW) tank.

The heating and DHW temperature levels are extremely easy to adjust by using the plus or minus keys to increase or decrease those temperatures.

The heating system in the mixed model can be disconnected in summer.

The keypads in both types of boilers can be locked to prevent any changes.



CMX / CMXP RANGE

Digital, modulating, for heating and domestic hot water



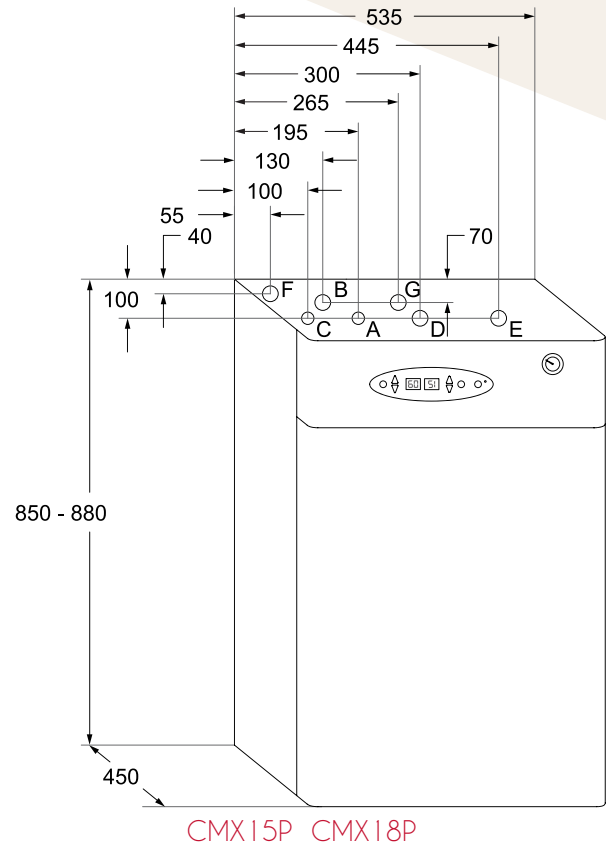
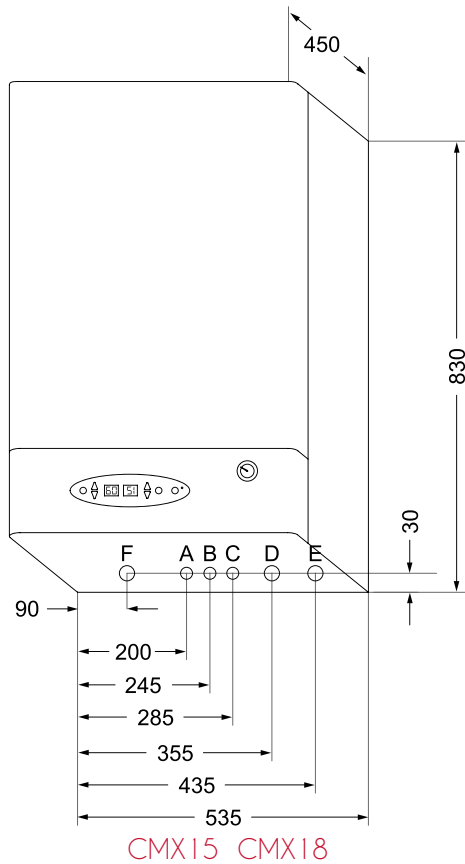
CMX15 wall mounted



CMX15P stand alone

Technical features

- ▶ Wall mounted heating boiler made of insulated steel (CMX15).
- ▶ Floor standing heating boiler made of insulated steel (CMX15P).
- ▶ **SEM system** (Smart Electronic Modulating System).
- ▶ 50L DHW cylinder made of insulated stainless steel without CFC.
- ▶ Stainless steel shielded elements INCOLOY800 for HEAT and DHW.
- ▶ 6L heating expansion vessel.
- ▶ 2L DHW potable water expansion vessel.
- ▶ Modulating electronic control of the heater.
- ▶ DHW electronic regulation.
- ▶ Digital display.
- ▶ Hydrometer 0-4bar.
- ▶ Circulating pump.
- ▶ Auto air vent.
- ▶ Silent TRIAC power switches.
- ▶ Optional under floor heating kit (hydronics).
- ▶ Heating flow detector.
- ▶ Heating temperature limiter 100°C.
- ▶ DHW temperature limiter 80°C.
- ▶ Heating pressure relief valve 3 kg/cm².
- ▶ DHW pressure relief valve 7 kg/cm².
- ▶ Heating circuit inlet valve and filling valve.
- ▶ DHW anti-electrolysis hoses.
- ▶ Powder coated RAL 9010.
- ▶ Wall bracket steel template to set up connections easily (CMX15).
- ▶ Compatible with Ambient Thermostats TA3, CPT10 and X2D available as accessory.
- ▶ Compatible with standard power managers (RG90, GReyder) offered as accessory.



Dimensions and connections:

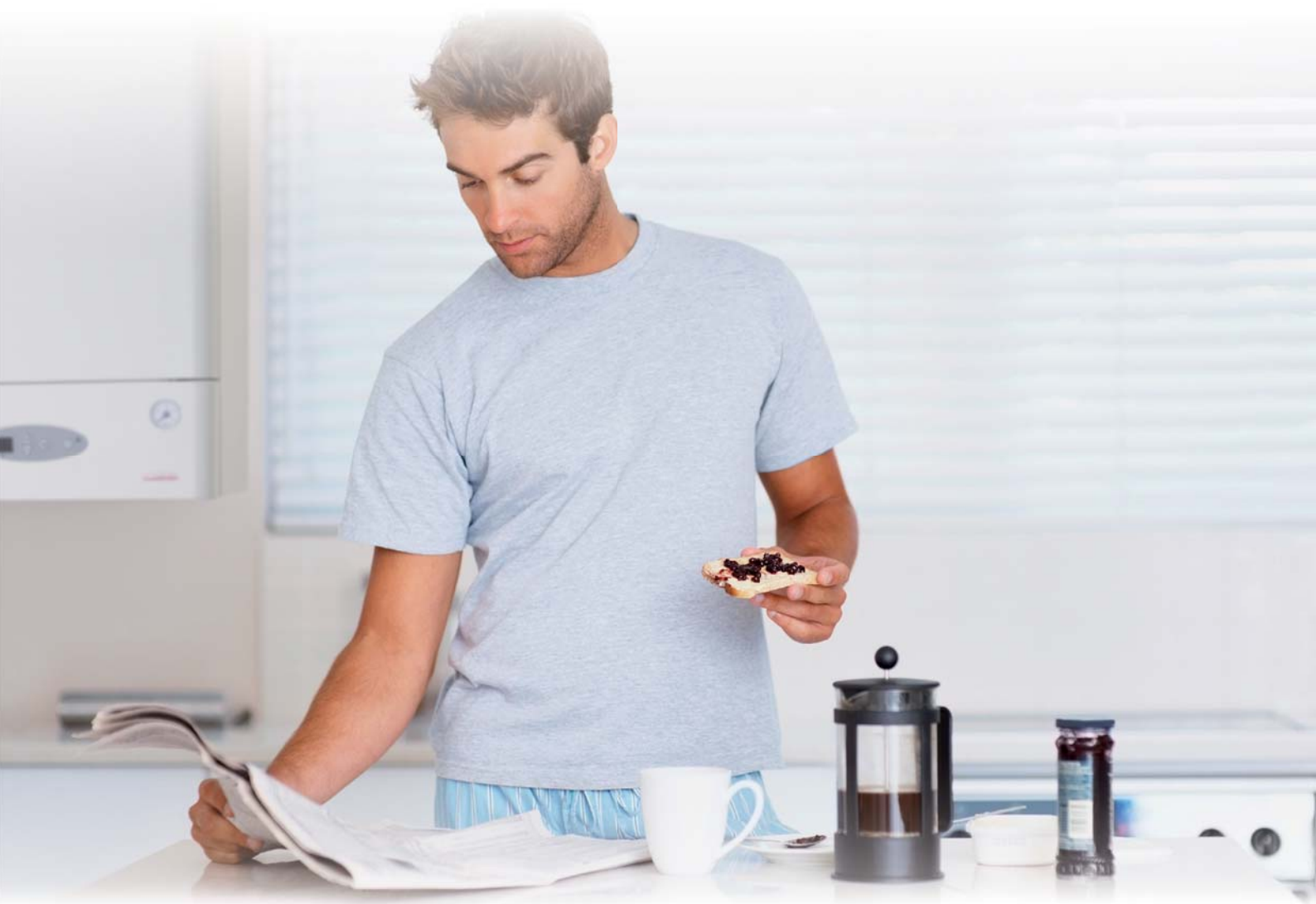
- A- 1/2" cold water inlet
- B- Drainage safety valve
- C - 1/2" DHW outlet
- D - 3/4" heat return
- E - 3/4" heat supply
- F- Electrical connection



MODEL	CMX15 - CMX15P												
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~	A	13.0	8.7	13.0	8.7	13.0	13.0	13.0	21.7	21.7	21.7	21.7	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
**Time available DHW	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"

MODEL		CMX15	CMX15P
Voltage	V	3x400 V+N / 220-240	3x400 V+N / 220-240
Frecuency	Hz	50-60	50-60
Insulation		Class I	Class I
Net Weight	kg	57	57
Units per pallet			
- 1300x1000	mm	8	8
EAN 13		8432336804304	8432336804403

*Using included bridge connection
 **Time in minutes remaining available on DHW.



"A safe and warm ambience at your home"

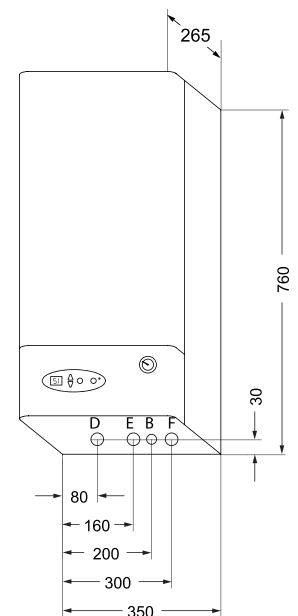
CM RANGE

Digital Modulating, only heating



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.
- ▶ Digital display.
- ▶ Hydrometer 0-4bar.
- ▶ Circulating pump.
- ▶ Auto air vent.
- ▶ Silent TRIAC power switches.
- ▶ Heating flow detector.
- ▶ Heating temperature limiter 100°C.
- ▶ Heating pressure relief valve 7 kg/cm²
- ▶ Optional under floor heating kit (hydronics).
- ▶ Powder coated RAL 9010 steel structure.
- ▶ Wall bracket steel template to set up connections easily.
- ▶ Compatible with Ambient Thermostats TA3, CPT10 and X2D available as accessory.
- ▶ Compatible with standard power managers (RG90, GREYDER) offered as accessory.



Dimensions and connections:

- B drainage safety valve
- D 3/4" heat return
- E 3/4" heat supply
- F electrical connection



MODEL	CM15												
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~	A	13.0	8.7	13.0	8.7	13.0	13.0	13.0	21.7	21.7	21.7	21.7	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	CM15	
Voltage	V	3x400 V+N / 220-240
Frecuency	Hz	50-60
Insulation		Class I
Net Weight	kg	29.5
Units per pallet		
- 1200x1000	mm	20
EAN 13		8432336804205

► THERMAL INERTIA RADIATORS

This **GABARRÓN** range of Thermal Inertia Radiators use the EcoSeco Technology, patented by ELNUR. This technology does not use any thermal fluid and is based in a primary heat transmitter. The energy is taken by a secondary element that transfers the energy, amplifying the surface that radiates and convects heat in the room. The real core of these devices, however, is their **Electronic Triac Control Optimiser (ETCO)**. This manages and restricts the flow of electricity to guarantee low consumption.



► THERMAL INERTIA RADIATORS



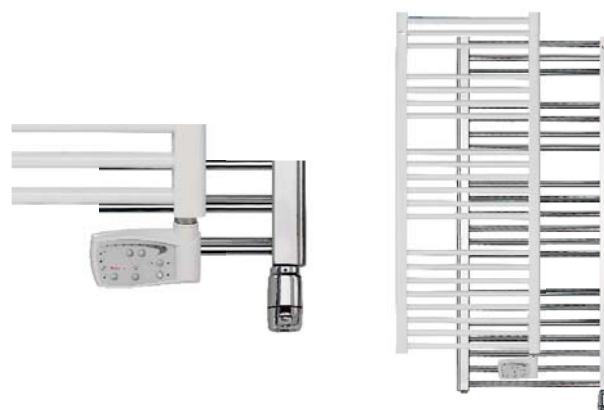
This **GABARRÓN** range of Thermal Inertia Radiators use the EcoFluid Technology. This technology is based on an optimum thermal inertia and heat transfer through a low viscosity and environmentally friendly thermo fluid. The real core of these devices, however, is their **Electronic Triac Control Optimiser (ETCO)**. This manages and restricts the flow of electricity to guarantee low consumption.

► TOWEL RAILS RADIATORS

GABARRÓN electric towel rails are ideal to dry or warm up delicate garments or even to keep your towels warm, meaning you can enjoy the luxury of warm towels after a soothing bath or relaxing shower.

Its great versatility makes it the perfect solution as it not only heats the room, but also reduces moisture and mildew using little space.

Design and functionality come together to provide warmth, comfort and convenience.



► LOW CAPACITY WATER HEATERS

A range developed to fit installations which need hot water very quickly (kitchen, shower, garage, doctor's surgery etc). Suitable for both under or over sink installations. These storage water heaters are especially easy to fit with one single support bracket.



► INDUSTRIAL HEATERS

A range of robust wall mounted, ceiling or stand alone fan heaters suited for general purpose, commercial and industrial use. These models provide fast flexible heating wherever and whenever it is needed. Supplied complete with a fixing support, they provide ample heating for many commercial and industrial applications.



► STORAGE HEATERS

GABARRÓN ranges of Storage Heaters are especially designed for use during the off-peak period. These storage heaters are the ideal solution for obtaining constant heat 24 hours a day. They provide a warm and comfortable temperature that is suitable for cold climate zones, where heating is required not only for a few hours, but where a pleasant and warm temperature is preferable around the clock.



► ECOMBI SYSTEM

ECOMBI is a new efficient heating system that both controls electricity consumption and optimises heat management. The ECOMBI smart system assesses energy consumption and heat loss in the room every day in order to establish the heat needs precisely and effectively adjusting the energy required. ECOMBI adjusts the amount of heat required due to **ESICC (ECOMBI Smart Input Charge Control)**. This will avoid any unnecessary extra energy consumption.

► PANEL HEATERS

GABARRÓN wall-mounted convector heaters are a rapid solution for heating a room occasionally or for short periods of time during the day.

The convector heaters are the desired solution for many owners and designers, as they take up little space, quickly and efficiently reaching a comfortable and even temperature.



► INFRA RED RADIATORS

GABARRÓN infra red radiators transform 100% of its power in heat in less than one second, it does not require any type of pre-heating and the result is a very important energy saving. Space volumes are not heated, only direct areas and only when it is required.



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