

L I V E S U S T A I N A B L Y

→ HEAT PUMP



CIAT

R E L Y

GeoCIAT™ Modular

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L I V E
W E L L

Geothermal energy
Heating - Geocooling
Domestic hot water

PERFORMANCE,
MODULARITY AND DESIGN



with Glycol/water mix for Heating/Geocooling & Domestic Hot Water

GeoCIAT Modular

The geothermal energy solution for heating and domestic hot water for individual homes

→ GeoCIAT™ Modular is a geothermal heat pump

- To be installed alone or combined with its domestic hot water module and its capacity module if required
- For new and renovated projects
- Replaces a traditional boiler to save money
- Produces hot water up to 62°C



The range is composed of one main module: the **GeoCIAT Modular** heat pump

If you also require domestic hot water production, choose the **Balton ECS 170L** module

If you heat your home using low temperature radiators, choose the **CAPA 100L** module

Your customised geothermal package

→ High-quality installation with an attractive design

Thanks to its unique design, GeoCIAT Modular offers exceptional installation quality, without the addition of external elements. As all the accessories required for operation are fully integrated, the GeoCIAT Modular heat pump forms part of CIAT's range of "ready-made" products. Its refined and elegant design adds a touch of class to the room.

→ Unrivalled performance, silent operation

To achieve such high performance, GeoCIAT Modular is equipped with the best technology in terms of technical components. Achieving Coefficients of Performance up to 5.91, GeoCIAT Modular ranks as the best performing geothermal heat pump in its generation. Perfectly controlled, the sound level of this heat pump is ultra low, reaching a maximum of 25 dB(A).



→ Economic, environmentally-friendly, recyclable

Designed with the environment in mind, the GeoCIAT Modular is composed of materials specifically selected for their capacity for end-of-life recycling. Each heat pump contains less than 2 kg of refrigerant.



→ HomeConnect, state-of-the-art control at your fingertips

One of a kind, the HomeConnect control station combines ease-of-use, attractive design and state-of-the-art communication technology.

Installed in the living room, the HomeConnect station communicates with the various installation components by radio*. It enables users to adjust the temperature of their home, create time schedules or view the day's weather forecast.

HomeConnect also allows users to view their energy consumption for heating and domestic hot water (option) directly.

Connect via radio to the Taloma box, HomeConnect can be used to adjust thermal comfort, online or using a smartphone.



Smartly Connect

*via Taloma box, see www.ci-at.com/homeconnect.com/eng/guide/homeconnect/pdfs/Cat_EU.pdf

→ Even better: free cooling!

Designed to provide a high level of comfort at a low cost, the Geocool option can harness coolness trapped in the ground throughout the summer.

As the ground temperature below 10 metres is constant and around 12°C, this option enables the whole house to be cooled using the same amount of energy as two energy efficient light bulbs.



for heating and domestic hot water

→ GeoCIAT Modular , the first modular heat pump that simplifies installation

Given the increasingly restricted space for heating and domestic hot water systems, the GeoCIAT Modular geothermal heat pump is designed to integrate perfectly into even the most confined spaces.

Geothermal heating, domestic hot water storage, water capacity required for the heating circuit, each of the GeoCIAT Modular 's functions is included in a single-size module (Ballon ECS 170L and CAPA 100L).

Mounted vertically or horizontally like building blocks, the modules are hydraulically connected inside using flexible connections.

Their compact size offers the advantage of a very reduced footprint, which becomes a major selling point when space is limited.

*exclusive
CIAT
design*

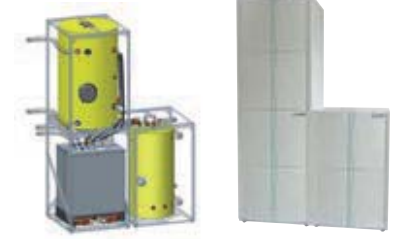
Arrange your GeoCIAT Modular to suit your requirements



GeoCIAT Modular + Ballon ECS 170L



GeoCIAT Modular + Ballon ECS 170L



GeoCIAT Modular + Ballon ECS 170L + CAPA 100L



Very quick and easy to connect, the GeoCIAT Modular assembly combines performance, attractive design and qualitative installation.

GeoCIAT Modular

GeoCIAT Modular		20H	33H	45H	45HT
Underfloor heating mode (30/35°C)*					
Heating capacity at 0/-3°C	kW	5.42	7.04	9.79	9.78
COP		4.3	4.4	4.2	4.55
SCOP	kW	4.51	4.79	4.51	4.87
Energy class		A++	A+++	A++	A+++
Fan coil unit mode 40/45°C*					
Heating capacity at 0/-3°C	kW	5.16	6.71	9.31	9.24
COP		3.35	3.43	3.28	3.55
Radiator mode 47/55°C*					
Heating capacity at 0/-3°C	kW	5.1	6.63	9.21	9.2
COP		2.75	2.82	2.69	2.91
SCOP	kW	3.46	3.4	3.38	3.64
Energy class		A++	A++	A++	A++
Max. water outlet temperature		62°C			
Sound power*		45	46	47	47
Power supply		230V - 1ph - 50Hz		400V - 3ph - 50Hz	
DHW function Dual Service with 300L DHW tank**					
Tank capacity		300L			
Withdrawal cycle		XL			
Reference hot water temperature		54,2°C			
COP _{DHW}		2,72			

* According to NFPAC Dual Service conditions. Date certified NFPAC n° NF414-1069.

** Data certified by NFPAC "Double Service" under No. NF414-1069.

The MODULAR concept : the same frame for heat pump, domestic hot water and buffer tank modules for greater flexibility !

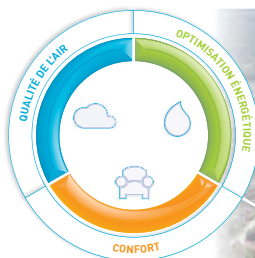


Certified NFPAC Dual Service with the DHW 300L tank



CIAT - France's No. 1 manufacturer and the choice you can trust

CIAT has been designing and manufacturing heat pumps for more than 40 years. Our factory in Culoz, located in France's Rhône-Alpes region, is part of a vast industrial structure dedicated to HVAC engineering. The employees there design and manufacture comfort equipment for the residential market. When you choose a CIAT heat pump, you also benefit from the advice and service of our exclusive network of local experts.



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