



Evaporator temperature
10/7°C
Condensor temperature
30/35°C



→ Geothermal heat pump

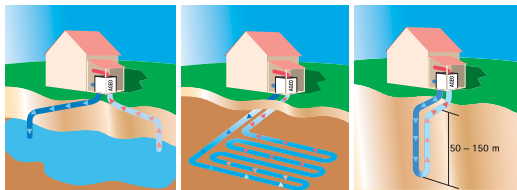
“Ageo

Technology for comfort
and style !



RESIDENTIAL

Ageo
Harnesses free
calories from the
ground water or
the ground



From the
ground water

From a
horizontal loop

From a
vertical loop
50 - 150 m

With Ageo, the reversible geothermal heat pump using ground water or buried collectors, CIAT, France's leading manufacturer takes a decisive step forward in heating and cooling houses. Better performance for even greater energy saving with the same comfort. And since leading technologies ought to be beautiful, CIAT has designed a highly attractive unit for the users.



Geothermal heating **Ageo**

Exceptional energy efficiency

Aesthetic design

Ageo's aesthetic design immediately strikes the eye, suggesting modernity and high performance. Its seductive appearance is further proof of making the right decision. A modern design control panel is located at the upper part of the unit.

However, the most important part is inside the Ageo.

Ciat's know-how in thermal exchange linked with high quality components, such as the ecological R410A fluid and ultra silent Scroll compressors, contribute towards a new heat pump generation that satisfies ever-more users of this type of comfort appliance.

Ageo means:

- The widest range of heat pumps (from 7 to 36 kW) that can be adapted to any living space
- Coefficients of performance up to 5 (5 kW of heating supplied for 1 kW consumed)
- Compact dimensions for easier fitting
- A control terminal installed inside the house (delivered as standard) for convivial utilisation
- Heating of domestic water (optional)
- Swimming pool heating (optional)

The advantages of Ageo

All the necessary hydraulic components in one compact unit

High energy efficiency (COP up to 5)

Ultra quiet operation equivalent to that of a domestic appliance



Efficiency

Ageo

Hot water for healthy living



Ageo just does not heat homes. It also features an optional tank that produces hot water for the entire home (Sani 300L).

The tank is automatically heated during off-peak times to produce hot water at a cost of four times less than a conventional system.

Ensure comfortable use of Ageo with the **Micro Connect** regulation terminal

This terminal has been designed to provide users with optimised regulation of heating and cooling in the living space.

It incorporates the Micro Connect system, permitting remote control by telephone (with the optional Typhone module).

Equipped with a highly visible back-lit LCD screen, it permits selecting the ambient temperature of the house and weekly programming to provide substantial energy savings.

Lastly, it contributes to the installation's reliability by ensuring the safe operation of Ageo.



geothermal

Ageo Multi-comfort solutions for living spaces

To get the most out of Ageo's remarkable performances, Ciat offers several diffusion systems. There is a solution for every home and desire: low temperature radiators, Ciat fan coil units, heating-cooling floor systems or Residenciat, the latest multi-zone central unit generation.

By using Ageo with an intermediate exchanger, your swimming pool water can also be heated in spring and autumn.

These systems can be combined to further optimise the comfort of your home.

Examples of configurations



Cooling-heating floor



Cooling-heating floor downstairs, fan coil units or low temperature radiators upstairs, and swimming pool water heating



Mixed solution with heating-cooling floors downstairs and a Residenciat unit upstairs

Ageo the widest range of capacities for domestic heating pumps

AGEO	Number of circuits	Cooling capacity (1) kW	Power input (1) kW	Heating capacity (2) kW	Power input (2) kW	COP	Sound level dB(A)
20H	1	5	1.6	7.2	1.7	4.3	51
30H		6.9	2.1	9.4	2.2	4.3	52
40H		9.2	2.6	12.1	2.6	4.6	54
50H		11.3	3.1	15.3	3	5	57
20HT		5	1.5	7.2	1.6	4.5	51
30HT		6.7	2	9.6	2.1	4.6	52
40HT		9.2	2.6	11.9	2.5	4.7	54
50HT		12.7	3.2	16	3.2	4.9	57
65HT		15.5	3.9	19.8	3.9	5.1	58
80HT		18.4	4.8	24.5	4.7	5.2	59
100HT		23.2	5.8	31	5.7	5.4	61
120HT		27.6	6.9	36.3	7.1	5.1	63

(1) Cooling capacities given for 7°C/12°C chilled water condenser temp. 30°/35°C

(2) Heating capacities given for 35°C/30°C hot water evaporator temp. 10°C/7°C
NF PAC in accordance with the NF 414 standard

All models have the same dimensions



DHW option
300 L DHW tank



Evaporator temperature
10/7°C
Condenser temperature
30/35°C

This document is non-contractual. As part of its policy of continual product improvement, CIAT reserves the right to make any technical modification it feels appropriate without prior notification.

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OHSAS 18001