

# RESIDENCIAT...

Heating



Air conditioning

→ ...a new concept  
in comfort

u  
n  
i  
v  
e  
r  
s  
a  
l  
c  
o  
m  
f  
o  
r  
t

# Benefits for developers

## The best combination of heating and air conditioning for total comfort.

Developed in partnership with Siemens, Résidenciat's smart multizone control system offers the finest adjustment precision available to date. Naturally, it allows the temperature to be selected individually, room by room, and fan speeds to be adjusted to ensure exceptionally quiet operation at all times.



# Benefits for construction companies

## The Résidenciat system simplifies design and installation to ensure optimum efficiency from the start.



Based on the Ciatherme concept, Résidenciat features CIAT's know-how in residential building heating and cooling.

With Résidenciat, pipes leading to flats are kept to a minimum. Included as early as the design stage, only the central unit and the distribution network are installed in ceiling plenums.

All control settings are configured in the factory for easy set-up.

Each and every component is designed and built according to CIAT's quality standards to ensure optimum performance. CIAT: France's leading manufacturer of air conditioning and air handling equipment.

## Assistance

Our Résidenciat experts draw on the experience of our network of 22 service offices throughout France and our subsidiaries and distributors located in over 70 countries. Throughout design and project completion, they provide the advice and assistance needed to ensure your system will run smoothly. And once your system has been installed, they remain on hand to provide a wide range of services, such as commissioning and after-sales support.



*Ground-water heat pump, well and exchanger in a mechanical room*

# Résidenciat



## **Instantaneous, custom comfort all year-round**

The Residenciat central heating and air conditioning system for flats allow occupants to select the ideal temperature for their needs and each room.

## **Protect the environment**

The system's thermostats feature hourly and weekly programming so that occupants can adjust indoor temperatures to their schedules. The system saves energy by limiting consumption to only what is needed.

silence

Sustainable de

## **Breathe cleaner air**

Résidenciat continually filters the return air before heating or cooling it and delivering it into each room via diffuser grilles.

Not only does the system make indoor air cleaner, it is also extremely quiet.

# the heating and air conditioning system that delivers what users are looking for today

pure air



## Save money and energy

Résidenciat does not use fuel oil or gas to heat or cool interiors. By using only the energy provided by a ground-water or air-source heat pump, it enables you to cut your energy bills by up to 70%.

## Increase the market value of your home

Not only does Résidenciat ensure comfortable indoor conditions, it also increases property resale values.

## Greater living space

Résidenciat spells the end for bulky equipment that takes up living space and limits layout and decorating options. The central unit and ducts leading to the diffuser grilles are concealed in suspended ceilings to free up space.

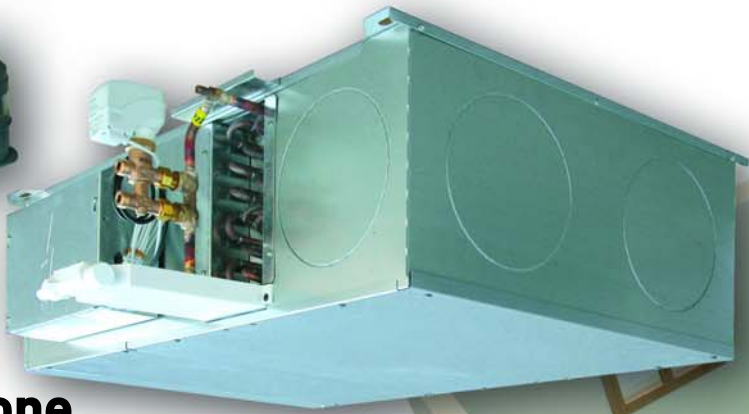
## Take advantage of the latest technologies

The optimised configuration of Résidenciat combines the latest technological innovations in comfort

- Extremely energy efficient, new-generation heat pump,
- Compatible with district heating and air-conditioning networks,
- CIAT smart multizone control system developed in collaboration with Siemens,
- Adding Cristopia's exclusive energy storage system makes it possible to spread energy consumption and reduce the size of the units.



# Designed in from day one, **Residenciat**



## **Multizone unit**

Equipped with a multizone controller, motorised dampers and a modulating control valve, CIAT's ductable units are designed to heat and cool up to six rooms. They feature high-pressure fans that ensure optimum air diffusion and substantial sound insulation for quiet operation. Benefit from CIAT's recognised expertise in providing comfort.

## **Multisource**

**Residenciat can be used with all sources of energy:**

- **Heat pump**

When feasible, heat pumps are the most economic solution. Whether they use ground water (highest efficiency and completely invisible) or air as the heat-transfer medium, there is always a solution to your needs. CIAT's expertise in heat pump technology is your guarantee of the highest performance and extreme reliability.



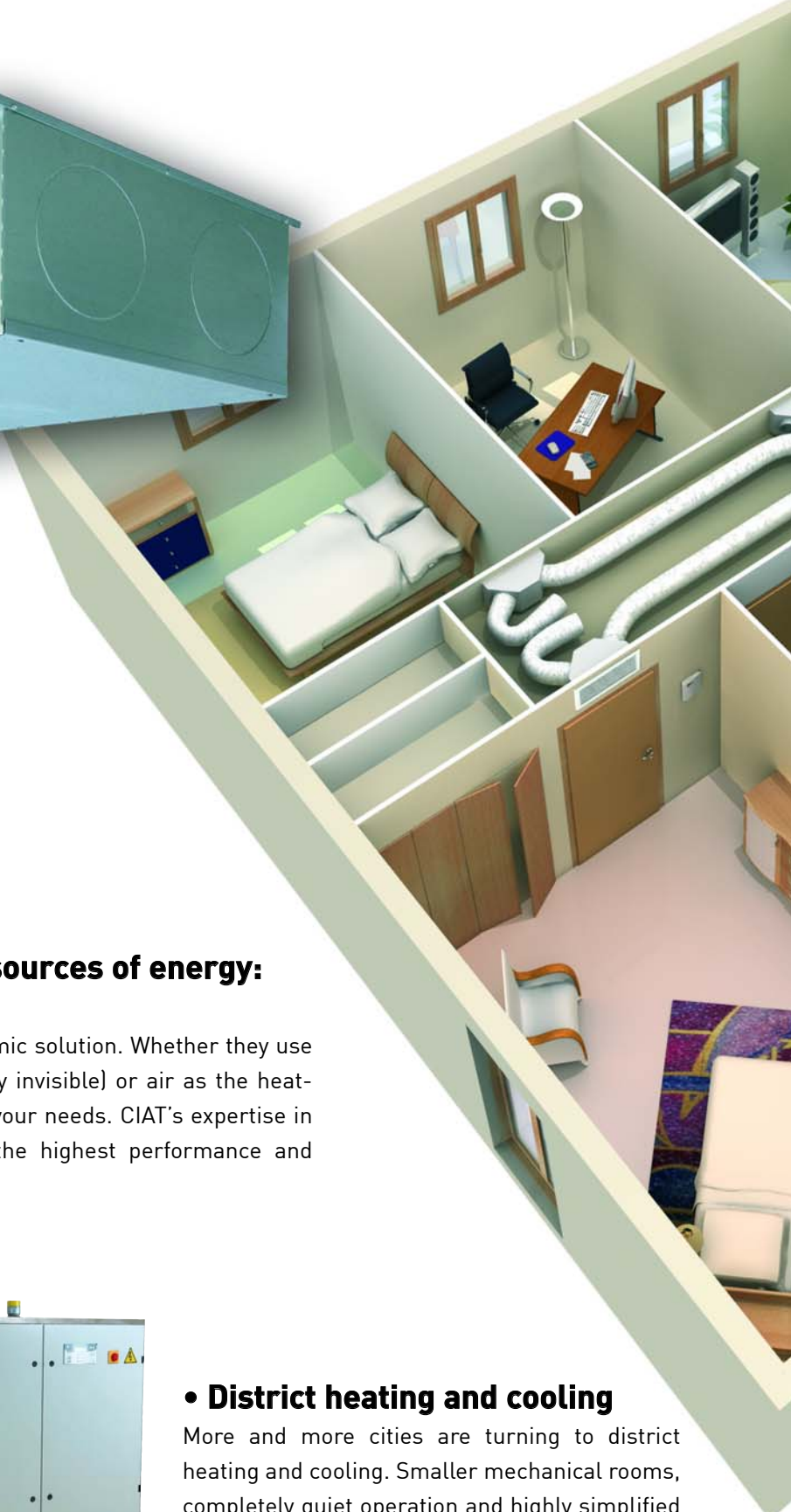
*Air-source heat pump*



*Water-source heat pump*

- **District heating and cooling**

More and more cities are turning to district heating and cooling. Smaller mechanical rooms, completely quiet operation and highly simplified maintenance are among the benefits that it offers.



, here is



## Control

Résidenciat's multizone control system blends flexibility and ease of use with a simple design and extremely high precision. Backlit display, viewing and adjustment of every zone via the main terminal unit and zone-by-zone timer override.

## Diffusion

CIAT knows that diffusion is a decisive factor in user comfort. That is why it offers grilles designed especially for residential buildings. Résidenciat delivers the best air diffusion and acoustic performance levels around.

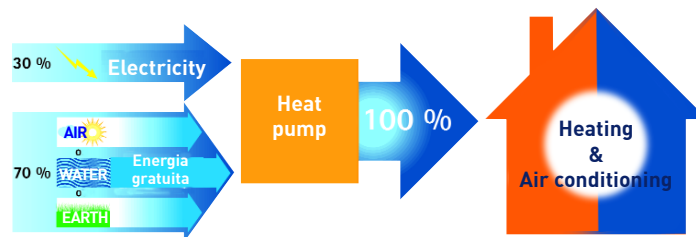


# Benefits for owners

**More than just a heating and air-conditioning system, Résidenciat is an innovative solution in indoor comfort.**

- Unobtrusive, stylish wall terminal units allow year-round control of the temperature in each room regardless of which direction it faces.
- The fact that there is no boiler in each apartment makes for remarkably quiet operation. When combined with sound-absorbing ductwork, the excellent-quality central unit delivers air quietly to each room.

**Up to 70% less energy-consuming than conventional systems.**



- Heat pumps are energy efficient and do not use fossil fuels or release greenhouse gases.
- The timer makes it possible to shift to economy mode as often as possible without affecting indoor comfort.
- Free cooling: ventilate without using hot or cold water to transfer heat and/or cold from one room to another.

**Better indoor conditions.**

- Continuous filtration for cleaner air
- No bulky units or pipes that take up space
- Less maintenance: limited to changing the filter periodically (one filter per flat).



# France's leading manufacturer of heating and air-conditioning systems

With 9 production facilities around the globe spanning 180,000 m<sup>2</sup> of space, a 2,200 strong workforce, and a consolidated turnover of 245 million, CIAT is France's leading supplier of air conditioning and handling systems. The highly driven professionals at its research and

innovation centre work continuously to develop new comfort solutions for the users of CIAT products and systems. CIAT operates 22 service offices across France to provide efficient advice and after-sales service to its customers.

## CIAT worldwide

An international network with subsidiaries and approved distributors in 70 countries throughout the world

### Subsidiaries

Belgium	CIAT Belgium S.A./N.V.- Brussels	(32) 2 414 80 80	(32) 2 414 80 90	ciat.belgium@skynet.be
Germany	CIAT Kälte und Klimatechnik GmbH - Dortmund	(49) 231 444 20 24	(49) 231 181 53 81	info@ciat.de
Italy	CIAT ITALIA - Pescantina	(39) 045 6750065	(39) 045 6750118	ciat-italia@ciat.com
Luxemburg	CIAT Luxembourg - Mondorf Les Bains	(352) 49 28 49	(352) 49 28 18	ciat@pt.lu
The Netherlands	CIAT NEDERLAND - NA Almere	(31) 36 53 32 587	(31) 36 53 32 597	info@ciat.nl
Spain	CIATESA - Montilla, Cordoba	(34) 957 65 23 11	(34) 957 65 22 12	ciatesa@ciatesa.es
Switzerland	CIAT SA - Penthaz	(41) 21 863 60 60	(41) 21 862 12 35	ciat-suisse@ciat.ch
Turkey	CIAT TURKIYE - Istanbul	(90) 216 369 95 96	(90) 216 369 97 20	ciat@ciatturkiye.com
United Kingdom	CIAT - OZONAIR Ltd - Byfleet, Surrey	(44) 1 932 35 49 55	(44) 1 932 34 29 98	sales@ciat.co.uk
China	CIAT CHINASIA COOLING & HEATING CO. Ltd - Hangzhou	(86) 571 8691 3946	(86) 571 8691 3945	jeanlouisrobert@ciat-china.com
	HANGZHOU CIAT Refrigeration Equipments CO. Ltd-Hangzhou	(86) 571 8691 3946	(86) 571 8691 3945	jeanlouisrobert@ciat-china.com
	CIAT CHINA SALES HEAD OFFICE - Shanghai	(86) 21 6289 5588	(86) 21 6289 5588	shangqifeng@ciat-china.com
India	CRISTOPIA ENERGY SYSTEMS (INDIA) PVT LTD - Indore	(91) 731 287 46 87	(91) 731 287 44 32	kehems@kehems.com
Malaysia	CIAT GROUP SOUTH EAST ASIA PACIFIC Office - Kuala Lumpur	(60) 3 2287 7197	(60) 3 2287 7198	l.robert@ciat-asia.com

### Distributors in Europe

Austria	CIAT Kälte und Klimatechnik GmbH - Unterschleissheim	(49) 89 37 42 68 60	(49) 89 37 42 68 80	j.geyer@ciat.de
Belorussia	CONDI Ltd.- Minsk	(375) 17 285 69 47	(375) 17 285 69 48	ilya@condi.by
Croatia	INTEL TRADE - Opatija	(385) 51 741 100	(385) 51 701 470	ri@intel-trade.hr
Cyprus	C.TH.CONSTANTINIDES Ltd - Limassol	(357) 25 367 058	(357) 25 366 412	cthcon@cylink.com.cy
Czech Republic	CIATIK TRADE s.r.o - Prague	(420) 274 822 611	(420) 274 782 007	info@ciat.cz
Denmark	KLIMALUX - Svendborg	(45) 63 22 33 33	(45) 63 22 33 34	my@klimalux.dk
Finland	CIAT Finland Oy - Vantaa	(358) 9 2316 4130	(358) 9 874 9565	arto.majuri@ciat.fi
Greece	HELLAS ENERGY - Athens	(30) 210 822 25 19	(30) 210 823 83 14	hellasenergy@internet.gr
Hungary	CLH - Budapest	(36) 1 432 1399	(36) 1 432 1391	clh@dh.hu
Iceland	DEXTA - Akureyri	(354) 461 5710	(354) 461 5711	gauti@dexta.is
Latvia	PERKSAS - Kaunas	(370) 37 32 22 34	(370) 37 32 22 26	perksas@perksas.lt
Lithuania	PERKSAS - Kaunas	(370) 37 32 22 34	(370) 37 32 22 26	perksas@perksas.lt
Norway	EPTEC ENERGI AS - Oslo	(47) 23 24 46 60	(47) 23 24 46 70	eptec@eptec.no
Portugal	EFCIS - Amadora	(351) 214 253 840	(351) 214 170 289	efcis@efcis.pt
Romania	EUROCONFORT GRUP - Bucarest	(40) 21 320 42 42	(40) 21 32 32 324	euroconfort@idilis.ro
Russia	CIAT DISTRIBUTION - Moscow	(7) 495 641 1642	(7) 495 641 1643	info@ciat-distribution.ru
Serbia & Montenegro	TERMOPLUS - Belgrade	(381) 11 303 63 83	(381) 11 303 63 83	office@termoplus.co.yu
Slovakia	KVT spol. s.r.o. - Brastislava	(421) 2 4463 2427	(421) 2 4463 2428	ciat@ciat.sk
Slovenia	Klima Petek - Maribor	(386) 2 290 91 20	(386) 2 252 25 50	dejan.simunic@klimapetek.si
Sweden	TESAB - Kungsbacka	(46) 300 56 84 80	(46) 300 174 20	info@tesab.se
Ukraine	KLIMA KOMFORT Ltd - Kiev	(380) 44 249 83 85	(380) 44 241 10 64	klimakomfort@hvac.kiev.ua
	SUN ICE - Kiev	(380) 44 450 93 93	(380) 44 502 00 35	kalugin@sun-ice.com.ua

### Distributors outside Europe

Algeria	SAPRIC - Alger	(213) 21 90 11 53	(213) 21 90 11 77	sapric@assila.net
South Africa	SKY SHOT CLIMATE SOLUTIONS C.C. - Lonehill	(27) 11 465 5995	(27) 11 465 5994	skysotcs@iafrica.com
Cambodia	COMIN KHMERE CO.LTD. Phnom Phenh	(855) 23 215 196	(855) 23 215 176	contracting@comin.com.kh
Lebanon	KHATER Eng. & Trading - Mansourieh El Metn	(961) 4 409 493	(961) 4 401 784	mail@khater-eng.com
Egypt - Saudi Arabia - United Arab Emirates - Qatar - Bahrain - Yemen - Oman	CIAT MIDDLE EAST SOUTH - Lebanon	(961) 4 400 054	(961) 4 401 784	rene.malek@gmail.com
Jordan - Syria - Irak - Armenia	CIAT MIDDLE EAST NORTH - Aleppo	(963) 21 2254 469	(963) 21 2276 162	arotec@scs-net.org
New Zealand	MALCOM RAVENSCROFT LTC - Christchurch	(64) 3 389 2231	(64) 3 389 2245	phil@ravenscroft.co.nz
Vietnam	COMIN ASIA PTE Ltd - Ho Chi Minh City	(84) 8 93 00 425	(84) 8 93 00 426	tam.hcm@cominasia.com
	COMIN ASIA PTE Ltd - Hanoi	(84) 4 9439814	(84) 4 94 39 812	le.hn@cominasia.com
Other countries	CIAT INTERNATIONAL - Culoz	(33) 4 79 42 42 42	(33) 4 79 42 42 12	info@ciat.fr

### Head office

Avenue Jean Falconnier - B.P. 14  
01350 - Culoz - France  
Tel.: +33 (0)4 79 42 42 42 - Fax: +33 (0)4 79 42 42 10  
e-mail: info@ciat.fr - www.ciat.com

