

ENERGY OPTIMISATION

↑ WATER LOOP

# WATER SOLUTIONS

Heat pumps & Water chillers from 5 to 1350 kW

COMFORT • AIR QUALITY

THE ULTIMATE IN  
ENERGY SOLUTIONS



# Heat pumps & Water chillers a unique **European** range

With over 50 ranges, CIAT's heat pump and water chiller offer is one of the best on the international market.



With low, medium or high capacity models, professionals can choose from a comprehensive range of heating and cooling technologies: air-cooled condensation, water-cooled condensation, production of hot or cold water and heat recovery units.

Smart control systems, ready to install "plug and cool" models, and even High Energy Efficiency versions complete this exceptional offer.

CIAT meets the needs of those involved in specification and installation in the residential, tertiary, healthcare or industry sectors.



This vast range of solutions guarantees your CIAT partners remain completely objective in the choice of equipment required faced with technical, geographical and economic criteria for new or renovated buildings.



CIAT heat pumps and water chillers are manufactured in modern industrial plants with ISO 9001, ISO 14001 and OHSAS 18001 certifications.



ISO 9001 • ISO 14001  
OHSAS 18001



# CIAT system package

## compatibility across the line

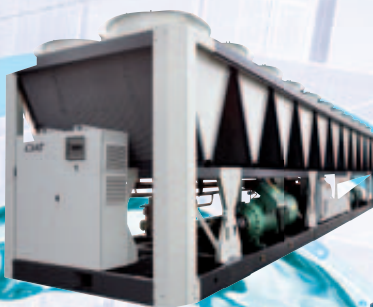
To comply more effectively with thermal and environmental regulations, CIAT proposes systems on the water loop, the best fluid for transferring heat.

CIAT solutions are as powerful as they are simple to use and users are guaranteed controlled comfort.

Heat pump  
Aquaciat Power



Chiller  
Powerciat2\*



Comfort unit  
Major Line



CIATControl\*



Energy pool control  
Power'Control\*



Exchanger  
Itex\*


Comfort unit  
Coadis Line



Energy storage  
Cristopia\*

Air handling unit  
Climaciat Airtop / Airtech



CIAT participates in the EUROVENT UC-AHU-LCP-RT certification programmes. Check the validity of the certificate: [www.eurovent-certification.com](http://www.eurovent-certification.com) or [www.certiflash.com](http://www.certiflash.com)  except for models marked with \*



# → WATER-TO-WATER



**Ageo+**   
6 to 30 kW

**Ageo CALEO \***   
16 to 25 kW



**Dynaciat**  
35 to 180 kW  
LG   
ILG   
LGN\* 



**G-Kub\***   
7 to 13 kW



**Hydrociat**  
370 to 1170 kW  
LW 



**Dynaciat POWER**  
220 to 720 kW  
LG   
LGN\* 

# → AIR-TO-WATER CENTRIFUGAL UNITS



**Ciatcooler Standard**  
17 to 200 kW

**Ciatcooler High Efficiency**   
18 to 160 kW  
LP  C   
ILP  C 



**Ecociat\***   
10 to 30 kW

## EQUIPMENT AND VERSIONS AVAILABLE

- |  |  |   |   |
|--|--|---|---|
|  COOLING ONLY VERSION |  HEAT RECOVERY    |  DOMESTIC HOT WATER        |  SCROLL COMPRESSOR |
|  HEAT PUMP VERSION    |  HIGH TEMPERATURE |  HYDRAULIC MODULE VERSION  |  SCREW COMPRESSOR  |
|  REVERSIBLE VERSION   |  FREE-COOLING     |  VERSION WITHOUT CONDENSER |  MISTING           |

# AIR-TO-WATER AXIAL UNITS



**Aqualis 2+**  
6 to 19 kW



**Aqualis CALEO\***  
13 kW



**Aquaciat CALEO\***  
25 to 50 kW  
TDC



**Aquaciat GRAND INVERTER**  
41 to 53 kW  
IVDC



**Aquaciat2 EVOLUTION**  
20 to 170 kW



**Aquaciat POWER Standard**  
190 to 640 kW

**Aquaciat POWER High Efficiency**

190 to 657 kW



**Powerciat2 Standard\***  
667 to 1,356 kW


**Powerciat2 High Efficiency\***

600 to 1,153 kW



# → DRYCOOLERS AIR-COOLED CONDENSERS




**Opera\***   
10 to 1000 kW

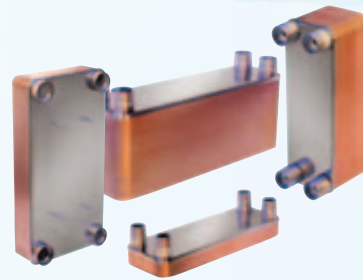


**Vextra\***   
up to 2000 kW

# → EXCHANGERS



**Itex\***   
from 5 to 5,000 kW



**Exel\***  
from 2 to 200 kW



**Corelis\***  
from 100 to 4,000 kW

# → SYSTEM CONTROL



Easy CIATControl

**Easy CIATControl:** optimum control of Hysys system solutions for offices, hotels and residential care homes.

**Smart CIATControl:** optimised maintenance and energy performance of Hysys system solutions made easy, on site or remotely.



Smart CIATControl

**Power'Control and Cristo'Control2 :** Global management system for high performance thermal energy production pools providing heating and cooling. Both offers automatically manage operating modes and control the thermal system by monitoring all of the thermal production components: chillers and heat pumps, dry coolers, valves, pumps, etc. Cristo'Control2 optimises energy storage through various scenarii, depending on the use of the unit and energy costs.



Power'Control



Cristo'Control2



With over 80 years' experience, more than 2,000 employees, and 6 production sites including a vast industrial complex in the Rhône-Alpes region, CIAT has obtained ISO 14001 certification and is renowned as a major player in the HVAC industry.



## The CIAT Group: European leader in heating, cooling and indoor air quality



### An environmentally-responsible company working towards a greener world

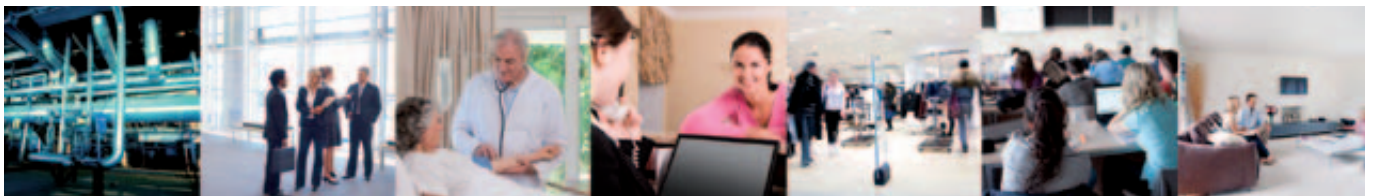
For many years, CIAT has been pursuing an industrial policy based on an ongoing strategy of continued sustainable development and eco-design in order to minimise the environmental impact of its equipment. The equipment integrated into Hysys system solutions benefits from this commitment.



### A Group resolutely focused on innovation

CIAT's Centre for Research and Innovation, one of the largest in Europe, brings engineers and technicians together around a simulation platform dedicated to well-being. As a team, they constantly improve the comfort, Indoor Air Quality and energy performance levels of CIAT solutions to meet the requirements of consumer sectors.

### An exclusive network of advisers



Industry

Offices

Healthcare

Hotels

Shopping Centres

Administration  
Education

Residential

To ensure customer satisfaction, at CIAT we have organised our teams into seven centres of expertise. Operating in France and throughout Europe, our experts listen to your needs and, because they speak your language, they provide you with the best solution to meet your requirements.



www.ciat.com