



HOTELS

**AIR HANDLING
AIR CONDITIONING
COOLING AND
HEATING
SOLUTIONS**

**CUSTOMER SATISFACTION
AND WELLBEING THROUGH
IMPROVED CONTROL OF:**

**COMFORT.
INDOOR AIR QUALITY.
OPERATING EXPENSES.
ENERGY EFFICIENCY.**



A Carrier Company

RENOVATION OR NEW BUILD

CIAT is by your side from the beginning. From the design stage, we work with you and the requirements of your hotel to bring you solutions that optimise cooling, heating and domestic hot water.

INCREASE GUEST SATISFACTION, RETENTION AND REPEAT BUSINESS THROUGH IMPROVED:



THERMAL COMFORT

- CONTROLLED AND CONSISTENT TEMPERATURE
- CONTROL TEMPERATURES IN SPECIFIC ZONES
- COANDA EFFECT DIFFUSION
- ABILITY TO COOL AND HEAT CONSISTENTLY AND KEEP GUESTS COMFORTABLE WITH SUMMER AND WINTER VARIATION CONTROLS.



ACOUSTIC COMFORT

ADJUSTABLE AIR FLOW KEEPS NOISE DOWN AND HELPS GUESTS GET A SOUND NIGHT'S SLEEP.



INDOOR AIR QUALITY

- EPURE ROOM BY ROOM FILTRATION
- CONTROL OF FINE PARTICLES (PM_{2.5}) IN LIVING AREAS: IDEAL FOR URBAN AREAS
- LIMIT THE INGRESS OF ATMOSPHERIC POLLUTANTS THANKS TO DUAL-FLOW AHUS

FOR YOUR PEACE OF MIND

MAINTENANCE AND OPERATION GUARANTEED

Nothing should disturb your customers' comfort! The ergonomic design of our units has been developed to simplify their maintenance and ensure that they operate optimally throughout their lifecycle. Our solutions also use water as a fluid: this renewable resource is also the best heat-transfer medium. Our water loop-based systems therefore avoid any danger of refrigerant leaks.

CIAT SERVICE: SUPPORTING YOUR GUESTS

We are at your service to guarantee absolute comfort in your hotel buildings. CIAT's range of service contracts include warranty extensions and remote monitoring, to guarantee you full control.





CIAT, EXPERT IN COMFORT AND IAQ IN HOTELS

IMPROVED CUSTOMER COMFORT



CLIMACIAT AIRACCESS

An air handling unit offering an accessible and efficient all-in-one solution which remains simple to install and easy to use.



MAJOR LINE

A versatile and high-efficiency comfort unit which can improve comfort and offer a very low noise level.



COMFORT LINE

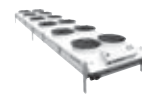
High-pressure static comfort unit available, with modular air discharge configurations, flexible connection and excellent acoustic comfort.

ENERGY OPTIMISATION



DYNACIAT

Water chiller with scroll compressors. High energy efficiency unit with a compact design and silent operation. High-efficiency brazed-plate heat exchangers. Energy recovery for DHW preparation.



OPERA

Range of drycoolers compatible with the Dynaciat range for high global performance levels.

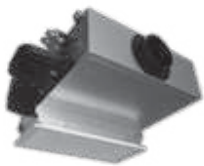


AQUACIAT AQUACIAT^{POWER}

Air-cooled liquid chiller and high-efficiency heat pump with scroll compressor. Energy recovery for DHW preparation.

SOLUTIONS SPECIALLY DESIGNED FOR HOTELS

COMFORT LINE: TOTAL FLEXIBILITY AND ADAPTABILITY



Ductable comfort unit offering:

- A **protected air stream** which prevents particles from being drawn into suspended ceilings.
- Optimised air diffusion and suitable mixing rate to ensure **complete coverage** in rooms.
- Very high-efficiency **local room-by-room filtration** of PM_{2.5} fine particles thanks to the Epure filter.
- **The 0-10 V signal controls the gradual operation** of the HEE fan motor assemblies, which thereby adapt to the requirements silently.

WALL-MOUNTED TERMINAL: HOTELS VERSION WITH GRADUATED POTENTIOMETER



Guests are able to adjust the indoor conditions for optimal thermal comfort.

This wall thermostat does not incorporate a display. This means that your customers' comfort is assured, without the intrusion of unwanted light while they sleep.

THE EPURE FILTER: HIGH EFFICIENCY ON PM_{2.5} FINE PARTICLES

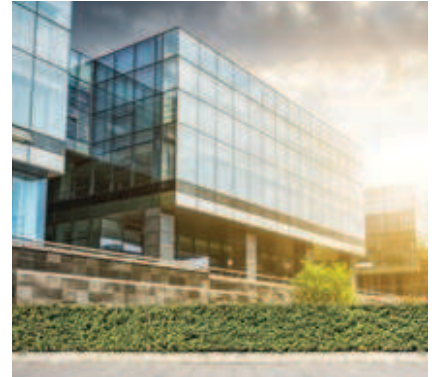


Constantly improved air quality:

- Filter area: 10 times greater than the suction surface.
- Low energy impact with minimal pressure drops.
- A longer service life thanks to its high retention capacity.
- Simplified maintenance: Changed once a year, in less than a minute, incinerable at end of life.
- No discharge from the filter during replacement thanks to its folded design with heat-sealed lateral inserts to make it more rigid.



CIAT AT THE HEART OF HOTELS



CUSTOMER SATISFACTION

- Thermal comfort
- Acoustic comfort
- Indoor air quality

PEACE OF MIND

- Maintenance and operation guaranteed
- CIAT Service: ensuring quality and continuity of comfort

ENERGY OPTIMISATION

- Energy savings
- Reduction in installation, system start-up and maintenance costs

GUIDING YOU RIGHT FROM THE START

With our team of hotel experts at your service, CIAT is a true partner. We support you right from the start to analyse your specific requirements and offer you solutions to optimise your hotel's air conditioning, heating and hot water generation.



SPECIFICATIONS

SOLUTIONS

INDUSTRIAL FACILITIES

INSTALLATION

SERVICE

FIND THE BEST SOLUTIONS TO OPTIMISE COSTS



TOTAL OR PARTIAL HEAT RECOVERY ON CHILLER

Using the heat recovered for other heating requirements (DHW production, heating of pools, spas, hydro-massage tubs etc.).



HIGH ENERGY EFFICIENCY

CIAT offers solutions which will exceed the requirements of future regulations (e.g. EC motors, new regulations)



V3000 CONTROL

Room-by-room thermal comfort and energy optimisation

R-32: THE SUSTAINABLE AND GREEN SOLUTION

CHOOSING R-32 MEANS REDUCING YOUR CARBON FOOTPRINT

Reduction in the refrigerant's GWP (Global Warming Potential):

- Reduced environmental impact
- Anticipation of the HFC phase-down

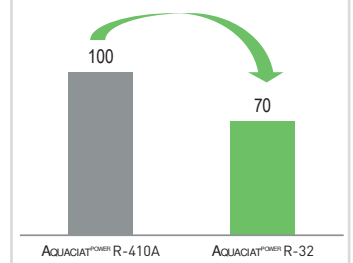
Refrigerant charge reduction due to:

- R-32 thermodynamic properties
- Optimised component selection for R-32

68% REDUCTION IN GWP



30% REDUCTION IN REFRIGERANT CHARGE



77% LESS CO₂ EQUIVALENT THAN R-410A

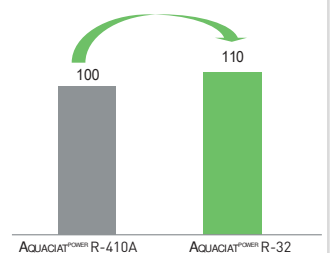
CHOOSING R-32 MEANS BENEFITING FROM AN INCREASE IN ENERGY EFFICIENCY OF UP TO 10%

AQUACIAT & AQUACIAT^{POWER} R-32 chillers exceed the SEER requirements of the 2021 Ecodesign regulations thanks to:

- The optimisation of all components for R-32 refrigerant (multiple scroll compressors and asymmetrical brazed-plate heat exchangers).
- A smart energy monitoring function.



10% INCREASE IN ENERGY EFFICIENCY



CHOOSING R-32 ALSO MEANS:

EASE OF USE



R-32 IS A RELIABLE, TRIED-AND-TESTED SOLUTION WHICH IS AVAILABLE FROM ALL REFRIGERANT DISTRIBUTORS.

COMPLETE SAFETY



EASY INSTALLATION, SYSTEM START-UP AND MAINTENANCE*.

* Special safety requirements may apply to the transportation, use and maintenance of the equipment.








AQUACIAT & AQUACIAT^{POWER} R-32: PERFECTLY ADAPTED TO HOTEL APPLICATIONS

The new **AQUACIAT & AQUACIAT^{POWER}** ranges offer you high levels of energy efficiency, in both the cooling only version and the reversible heat pump version.

Now available with R-32 refrigerant, they enable their carbon footprint to be reduced by up to 77% while preserving their acoustic comfort and their ease of installation.

In addition to their commitment to environmental sustainability, the **AQUACIAT & AQUACIAT^{POWER}** ranges also fully meet the specific requirements of hotel applications:

	<p>CUSTOMER COMFORT</p> <p>THANKS TO OUR VARIOUS CONFIGURATIONS, SEVERAL ACOUSTIC LEVELS ARE AVAILABLE, INCLUDING "NIGHT MODE", FOR MAXIMUM CUSTOMER COMFORT.</p>		<p>SIMPLICITY AND DISCRETION</p> <p>EASY TO INSTALL WITH A SMALL FOOTPRINT FOR PEACE OF MIND FOR YOUR TECHNICAL TEAMS.</p>
	<p>PLUG AND PLAY SYSTEM</p> <p>ALL-IN-ONE FLEXIBLE SOLUTION. VARIOUS OPTIONS AVAILABLE:</p> <ul style="list-style-type: none">• INTEGRATED HYDRAULIC MODULE WITH OR WITHOUT BUFFER TANK• WIDE CHOICE OF PUMPS• BROAD RANGE OF HYDRAULIC CONNECTIONS TO ADAPT TO THE SITE CONFIGURATION.		<p>ENERGY SAVINGS</p> <p>ENERGY-EFFICIENT SOLUTIONS ENABLING SIGNIFICANT COST SAVINGS WITHOUT COMPROMISING THE COMFORT OF YOUR CUSTOMERS OR YOUR ENVIRONMENTAL IMPACT. HEAT RECOVERY ENABLING DHW PRODUCTION UP TO 55 °C.</p>
	<p>GLOBAL SYSTEM SOLUTION</p> <p>WE OFFER A FULL RANGE OF EQUIPMENT DESIGNED TO WORK TOGETHER FOR THE BEST POSSIBLE RESULTS OFFERING OPTIMISED ENERGY EFFICIENCY AND COMFORT FOR YOUR CUSTOMERS.</p>		

AQUACIAT & AQUACIAT^{POWER} R-32: OVERVIEW OF THE RANGE



AQUACIAT



R-32

- 12 models
- **Hydraulic module** across the full range with or without buffer tank
- **2 sound levels** (very low noise level and ultra low noise level) + night mode



WATER CHILLER
COOLING ONLY LD VERSION

40kW

160kW	Variable-speed EC motor fans option
	Very low noise level option (LS fans + drive)
	All-season option (AC motor fans + drive)
	Fixed-speed scroll compressors, Fixed-speed AC motor fans with low sound level



HEAT PUMP
REVERSIBLE ILD VERSION

AQUACIAT^{POWER}



R-32

- 19 models
- **Hydraulic module** across the full range with or without buffer tank
- **3 sound levels** (Low noise level, very low noise level, ultra low noise level) + night mode



WATER CHILLER
COOLING ONLY LD VERSION

170kW

940kW	Variable-speed EC motor fans option (↗ Seasonal performance levels)
	Variable-speed AC motor fans + drive option (↗ Seasonal performance levels)
	High performance/high temperature option: HS fans (↗ Full load performance and operating range)
	Fixed-speed scroll compressors, fixed-speed AC fans with low noise level



HEAT PUMP
REVERSIBLE ILD VERSION

170kW

530kW	Variable-speed EC motor fans option (↗ Seasonal performance levels)
	Variable-speed AC motor fans option + drive (↗ Seasonal performance levels)
	High performance/high temperature option: HS fans (↗ Full load performance and operating range)
	Fixed-speed scroll compressors, fixed-speed AC fans with low noise level
	Fixed-speed scroll compressors, Variable-speed AC motors fans + Drive

1040kW



THE BLUEGE® SERVICE PLATFORM IS AT YOUR SERVICE FOR YOUR COMFORT, AIR QUALITY & ENERGY OPTIMISATION



As key European player for HVAC systems, our objective is to provide high quality service and develop partnerships with you throughout the lifecycle of your installations. We understand your changing needs, develop smart services and energy solutions for all types of applications that optimise performance and enable savings.

Committed to improve life quality, we provide the support you need to get the most out of your solution and develop strong partnerships with our customers, from project analysis to commissioning and operation for long-term satisfaction.



#CIAT4life 4 FOUNDATIONAL PILLARS



www.ciat.com