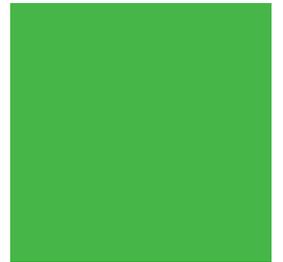




ENVIRONMENTAL  
CLIMATE CONTROL  
EQUIPMENT  
& SOLUTIONS



# COMMERCIAL FACILITIES



[www.ett-hvac.com](http://www.ett-hvac.com)

# HVAC solutions tailored FOR THE commercial sector

## ETT, SOLUTIONS FOR COMFORT AND ENERGY EFFICIENCY

We know that commercial buildings consist of several areas intended for different uses and therefore with different needs. That is why we have developed the new ULTIMA GREEN LINE range: modular air conditioning solutions to ensure client comfort and energy efficiency.

### What parameters should you consider?

- Fresh air modulation and air quality
- Energy recovery
- Humidity level in some areas

### Optimised air quality

ETT units include easy-to-remove eco-concept filters - 98 mm pleated media, efficiency ISO Coarse 65% (G4) for longer lifetime and lower pressure drops, with a pressure switch for fouling control.

### Our plus points

#### Bespoke units

Dimensions and capacities specially adapted to your project requirements.

#### Installation

On roof curb, on customer frame or at ground level.

#### New installation: the ULTI+ R32 solution

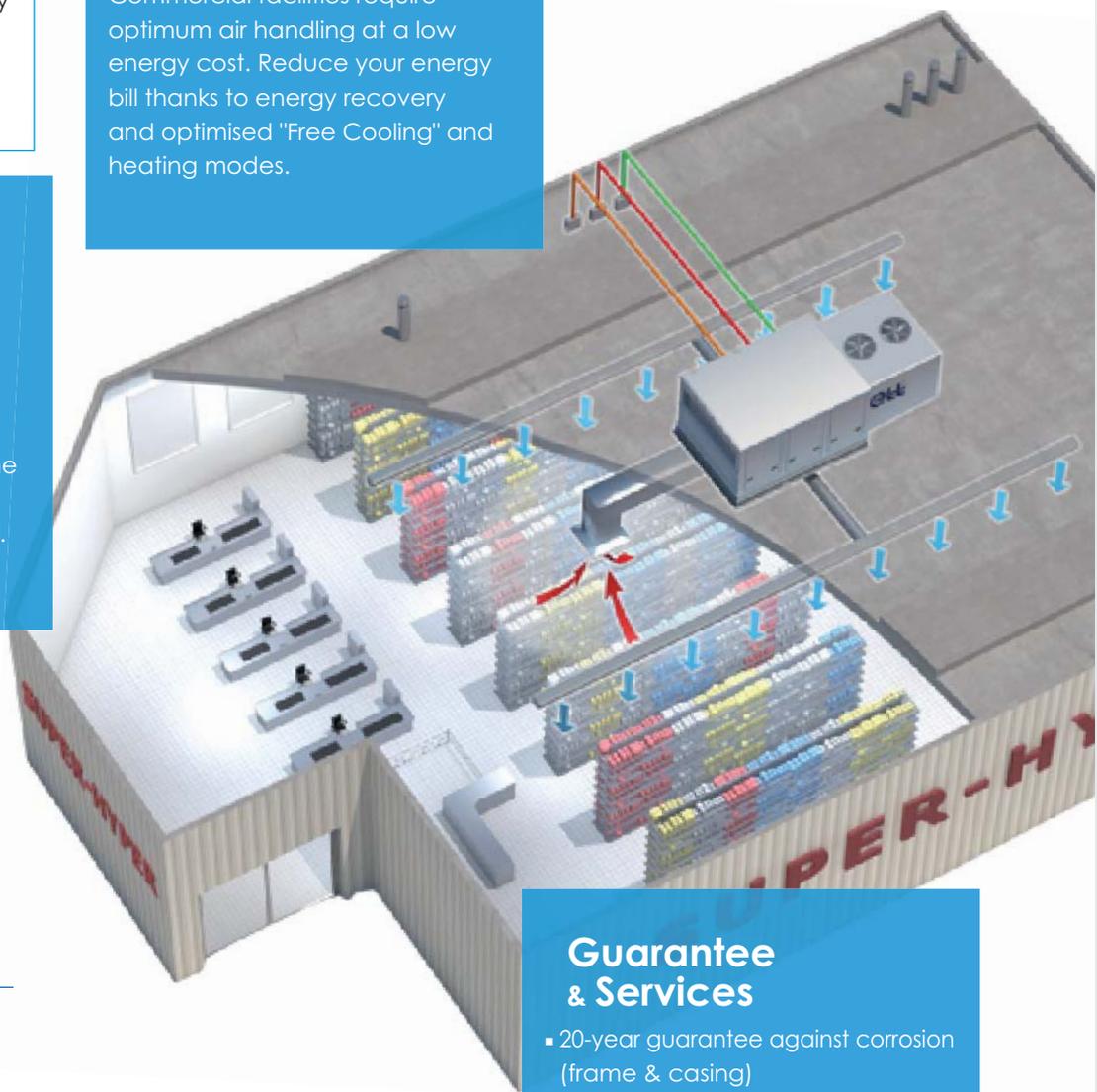
#### Heat recovery on food cooling

#### ETT FREE HEATING option

### Energy savings

Commercial facilities require optimum air handling at a low energy cost. Reduce your energy bill thanks to energy recovery and optimised "Free Cooling" and heating modes.

- Temperature probe
- CO<sub>2</sub> probe (optional)
- Humidity probe (optional)



### Guarantee & Services

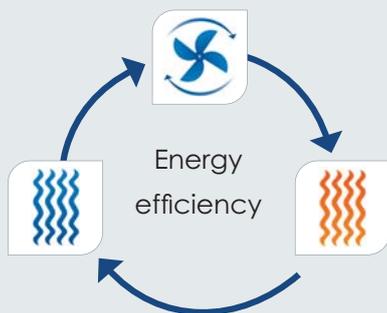
- 20-year guarantee against corrosion (frame & casing)
- Unit auditing
- Optional guarantee extension

The ETT Services team will support you throughout the life cycle of your air conditioning unit.

The leading French manufacturer of rooftop air-conditioners for the mass distribution sector.

# The ULTIMA GREEN LINE range, a modular solution designed to meet the requirements of commercial facilities

**3** technologies  
to address all the  
challenges



## 1 Ventilation

Air flow adapted to occupants' needs thanks to innovative technology.

## 2 Cooling

Air conditioning available when needed.

## 3 Heating

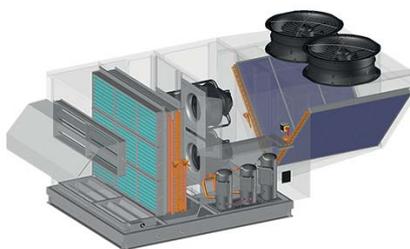
Energy recovery for optimised consumption.

## Dehumidification

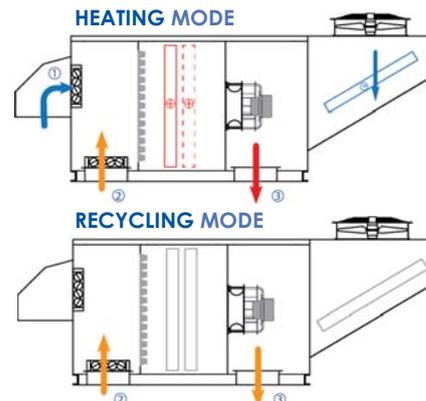
Dehumidification using thermodynamics

### ULTI+ R32

Performance optimisation  
Seasonal efficiency



### OPERATING PRINCIPLE



### ULTI+ R32 **CC+** Condensing boilers module Hybrid gas system

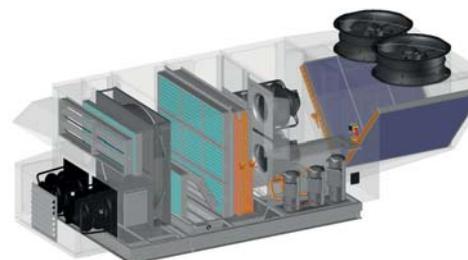
- Condensing boiler with premix burner
- Compliant with the EU Ecodesign Directive
- Capacity variation from 17 % to 100 %
- Internal pressure drop (-100 Pa compared to a warm air heater)
- NOx class: 5
- Standard roof curb
- Patented solution



### ULTI+ R32 **DX** Extraction and recovery module

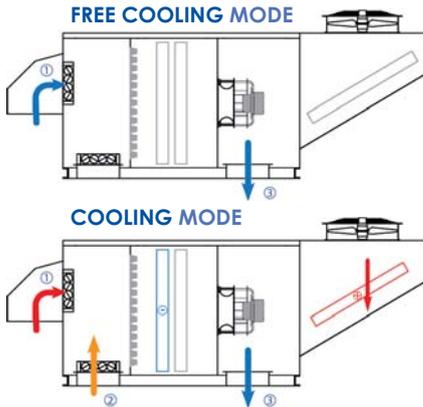
#### Solution for air extraction and energy recovery

- Recovery wheel (70 % minimum efficiency)
- Fresh air modulation from 20 % to 50 % of maximum flow rate
- Separate electrical board
- Easy maintenance
- Standard roof curb

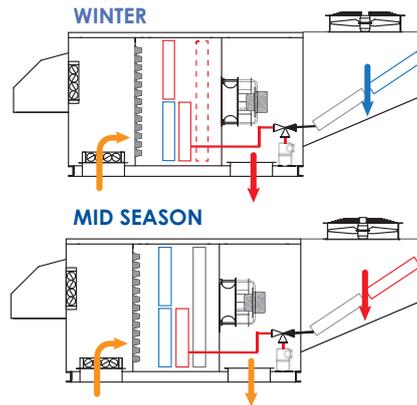




1 FRESH AIR 2 RETURN AIR 3 SUPPLY AIR



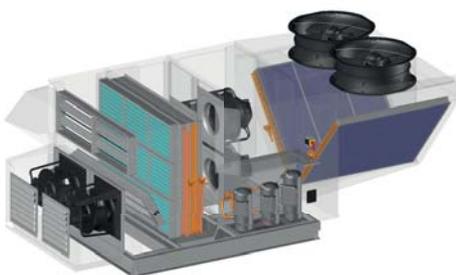
## ULTI+ R32 DESHU



## ULTI+ R32 EX Extraction module

### Solution for air extraction

- EC exhaust air fan
- Energy savings  $Q_{\text{fresh air}} = Q_{\text{exhaust air}}$
- Fresh air/exhaust air modulation from 0 to 100 % of the rated supply air flow
- Isolation gravity damper (when the unit is stopped or in all recycling mode)
- Light weight
- Standard roof curb

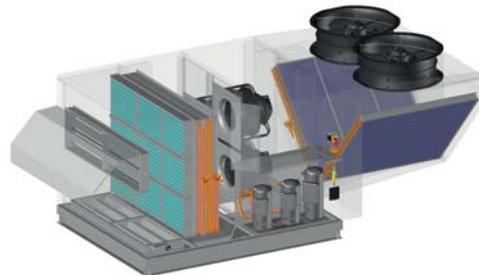


## ULTI+ R32 DESHU

### Solution for dehumidification

#### Dehumidification through the evaporator and heating with the in-line condenser

- Possibility to integrate auxiliaries without resizing the unit
- Elimination of condensation around refrigerated showcases
- Modular solution: one condenser, year-round kit (optional)
- Banning of Free Cooling based on specific humidity comparison
- Dehumidification even in mid-season



## Your challenges

- **Energy savings**  
Energy reduction is essential when running a commercial facility.
- **Client comfort**  
Satisfied customers are the best guarantee of continued success.
- **Equipment guarantee**  
Commercial facility operators seek sound equipment investments.

## Our solutions

- **Optimised operating modes and reduced energy consumption**  
Energy recovery - Free Cooling  
Free Heating (optional)
- **Optimum fresh air intake**  
Fresh air modulation  
according to CO<sub>2</sub> level (optional)
- **ETT guarantees, for years of trouble-free service**

## ETT, a different climate

Our complete command of the manufacturing process — from design to commercialisation — allows us to offer bespoke and innovative solutions.

As a specialist in air handling systems with energy recovery and high performance heat pumps, we have been guiding our clients towards responsible energy solutions for more than 40 years.



## Customer satisfaction as a core value

- Personalised study of each project
- Constant innovation
- Climatic chamber
- Environmental consideration

ETT is strongly **committed to customer satisfaction**. To this end, we have built up a comprehensive network of professionals to provide every customer with a dedicated contact person according to his project and requirements.

Our extensive experience in the HVAC industry is also bolstered by the expertise and dedication of our teams: **Design Departments, expert consultants, ETT Services network.**



## ETT & ecodesign:

**GREEN DESIGN involves DECONSTRUCTION: ETT units are 98 % recyclable.**

- **Energy:** ETT, innovator in Heat Transfer solutions.
- **Aluminium:** aluminium is endlessly 100 % recyclable.
- **Low polluting ETT manufacturing process:** selective sorting, waste recovery, waste recycled, no paint on casings, no use of solvent.
- **Consumables: efficient waste management:** ETT units include "ecodesigned" air filters (selective sorting: frame - grille - media)



## ETT Services

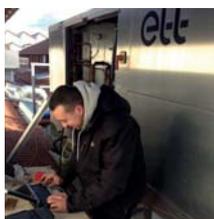
▶ **ETT technical support team** is spread **across France and abroad** to share their expertise and offer you the right solution for your application.

### Optimise your energy costs

▶ **ETT Service Contract:** increase the **lifespan of your HVAC equipment.**

### Equipment upgrades:

energy efficiency optimisation, refrigeration circuits restoration, compressors retrofit, communication tools.



▶ **Regular audits:** **maintain a high level of energy efficiency** and keep your operating costs low.

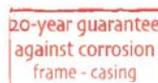
### Train your teams

- ▶ Operation and maintenance training
- ▶ Advanced operational training
- ▶ Custom training

## Guarantee

ETT air handling units are contractually covered by a **guarantee** in France and abroad.

**For metropolitan France, the guarantee covers parts, labour and travel.**



## Spare parts

ETT spare parts catalogue is available for download at [www.ett-hvac.com](http://www.ett-hvac.com)

## Conformity

All units are checked and inspected at the factory prior to shipment; a control certificate is issued for each unit.

ETT Quality organisation is certified **ISO 9001:2008** (AFNOR Certificate no. 1994/2016f).



Moreover, each unit is delivered with an **EC certificate of conformity**.

## ETT control and communication

ETT units are controlled through the **ETT SysCom** communication system which ensures **precise and reliable control** of the units for optimised **energy efficiency**.

All ETT units are connected to an ETT SysCom communication system to facilitate unit management through **local or remote communication**.

You can choose to **monitor your consumptions** with:

- ▶ **CCAD:** local communication system for a single unit
- ▶ **PCO Terminal:** local communication system for several units.
- ▶ **PGD Touch:** local communication system with remote display 
- ▶ **myETTvision:** **Remote communication platform** (with login credentials)

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