

Internet communication with ADSL or 3G high speed line

- Access with the Internet network using a web browser (Internet Explorer)
- Unit parameters remote display
- Change of temperature and hygrometry setpoints
- Faults display and acknowledgement
- Operating hours settings
- Sending of e-mails if fault detected
- Display of operating hours (unit, compressor, auxiliary (electric heater))
- Temperature curves display/history
- Units/Site consumption follow-up (total and monthly) (ventilation, cooling and heating mode consumption (2002/91/EC)) if energy meter option selected
- Alarms history



Design: ETT - Document printed by an environmentally friendly printer using vegetable based ink on PEFC paper created from sustainably-managed forest.



After sales services

- Commissioning, settings and adjustment
- Assistance and repairing
- Technical support on site
- Helpline
- Technical expertise

Retrofit

- Energy optimization
- Change of controller
- Optimization, control
- R22 retrofit
- Refrigerant circuit renovation
- Unit transformation
- Communication tools (BMS, web, ...)

Training

(Training accreditation nb.: 532 903 206 29)

- Bespoke, on site or in factory

Service contract

- Extended warranty
- Bespoke maintenance plan
- Refrigerant circuits sealing control
- Security regulatory control
- Supply of emergency components
- Maintenance books per type of unit
- Factory supervision



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Thermodynamic double flow dehumidifier High Performance of Energy



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IE4 equivalent high performance free wheeling ventilation

- Easier flow rate adjustment during commissioning
- No belts, savings for maintenance
- Motor speed reduction in partial load or in neutral zone
- Respect the EuP 2013 / ErP 2015 directives



Precise ETT // HPE+ control

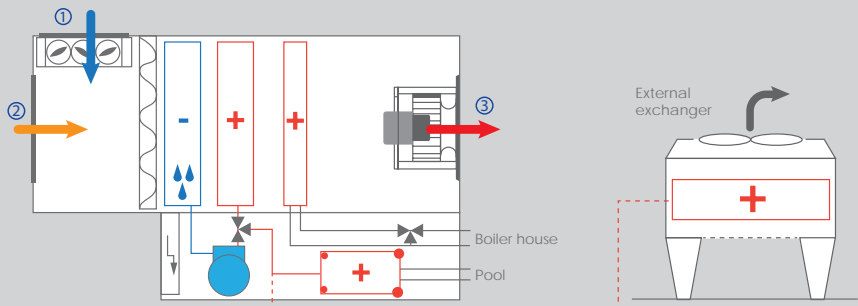
The BEST controller (Building Energy Saving Technology) specifically designed by ETT ensures the building energy performance.

- Cooling in summer
- Water pool energy recovery
- Desuperchlorination cycle
- Energy counting
- Connections to Modbus, LonWorks, Bacnet supervision systems



Thermodynamic Single Flow Dehumidifier

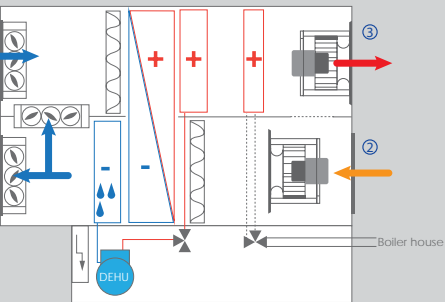
Air is dehumidified by cooling process and then reheated using a heat pump. This thermodynamic energy recovery principle uses a supply air temperature higher than room temperature for less heating needs. In half of the year or summer period, excess of calories are transferred with energy recovery on a stainless steel (optional: titanium) water-cooled condenser to the pool water or evacuated on an outside air-cooled condenser.



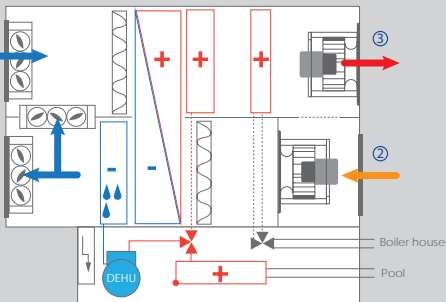
Thermodynamic Double Flow Dehumidifier

The dehumidification is done by using the heat pump cooling cycle coupled with a heatpipe. Calories are then transferred to the supply air side, on the heatpipe and the air-cooled condenser, to heat the dehumidified air. ETT control system ensures progressive mixing of fresh air according to your dehumidification needs. If the temperature of the room is high enough, calories are transferred to pool water.

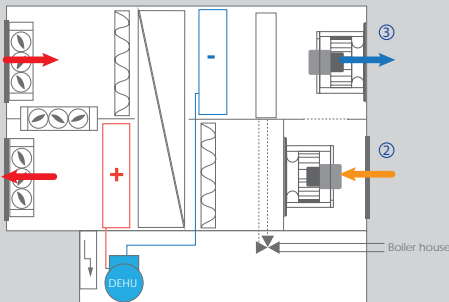
"Heating mode" dehumidification cycle



"Mid-season mode" dehumidification cycle

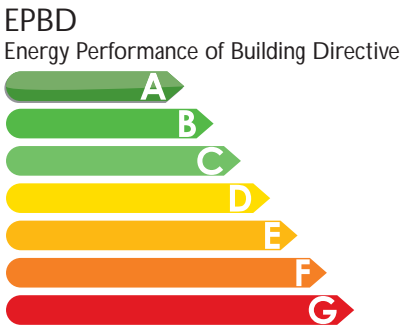
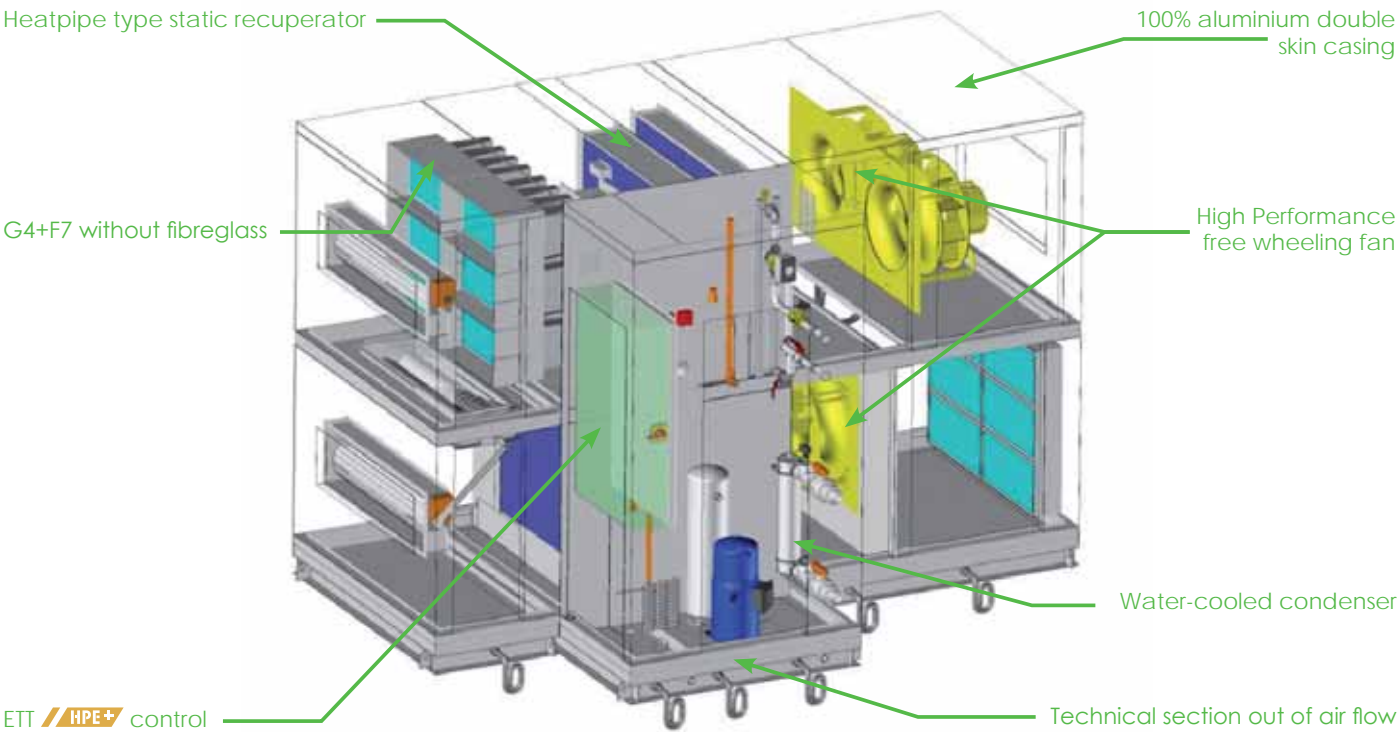


"Cooling mode" dehumidification cycle



① Fresh air ② Return air ③ Supply air ④ Exhaust air

DESHU // HPE+		107	109	110	125	160	185	210	225	260	285
Treated air flow rate	m³/h	4000	5000	5500	6500	8000	10000	11000	13000	16000	20000
Mixed air flow rate	m³/h	6000	7500	8250	9750	12000	15000	16500	19500	24000	30000
Thermodynamic dehumidification capacity	kg/h	17.4	22.1	25.5	30.2	38.8	45	51	60.3	77.6	90
Thermodynamic efficiency		6.8	6.8	6.9	7	6.5	6.8	6.9	7	6.5	6.8



ETT green design involves deconstruction.



Aluminium: a good choice for the planet!
- aluminium is 100% recyclable and endlessly;
- recycling gives 30% of aluminium needs.

Manufacturing process

Low polluting ETT:

- sorting done by job. All wastes are recycled. No paint, no use of water;
- our factory is certified ISO 14001 v2004 (Environmental Management System) and has the AFNOR no. 2010/37694 Certificate;
- ETT has been recognized able to manipulate refrigerant fluid



as stipulated by the F-gas Regulation European Directive, and more particularly, the fifth Article "minimum requirements and the conditions for mutual recognition shall be established in accordance with the procedure referred to in Article 12(2) in respect of training programmes and certification for both the companies and the relevant personnel involved in installation, maintenance or servicing of the equipment and systems covered by Article 3(1)" which are "refrigeration, air conditioning and heat pump equipment".

An efficient consumables management:

- filtration: ETT includes "green-designed" air filters (sorting frame - grille - media) without fibreglass.