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CLEANAIR LX

Modular air handling unit



- 2 - 550 kW
- 10 - 1300 kW
- 1000 - 100000 m3/h

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

- # Fully modular unit with 44 available sizes to provide **high flexibility** to any building design.
- # The **best choice** for any air treatment application: ventilation, filtration, heating, cooling, humidity control and heat recovery.
- # For indoor or outdoor applications, this **versatile** unit can operate with chillers, heat pumps, VRF or boilers.

HEAT RECOVERY

Plate heat recovery.
Wheel recovery.
Heat recovery systems with run-around coils.
Heat pipe heat recovery.





CASING & DESIGN

60mm sandwich panels, insulated with injected polyurethane or mineral wool.
Smooth internal surface suitable for hygienic applications.
Pre-painted panels built with Galvanised or Stainless steel A304.
Aluminium profiles with natural finish or anodised.
Robust base with 150mm frame built with Galvanised or Stainless steel A304 with specific reinforced corners with lifting holes.
Condensate drain pans in aluminium or stainless-steel. As an option, it can be inclined to ensure complete drainage.
Aluminium alloy perimetral rain shelter suitable for outdoor unit applications, with PVC joint covers and man-safe covers on all angles (as an option).

AIRFLOW

Fan available in double inlet forward, backward, air foil blades or plug-fan and EC plug fan.
As an option single fan with double motor or double fan 100% with isolation dampers.
Several available airflow configurations: top, bottom or horizontal, to fit each building's needs.
Aluminium dampers provided with nylon gears optionally supplied with manually operated control or suitable linkages for motorised control application.

Photos and illustrations are not contractual.

CONTROL

This range can be delivered with full control managed by CAREL controller – with communication possibility in common protocols:
- ModBus®
- BACnet®
- TCP/IP – SNMP
- TREND

CLIMATIC60



AIR TREATMENT

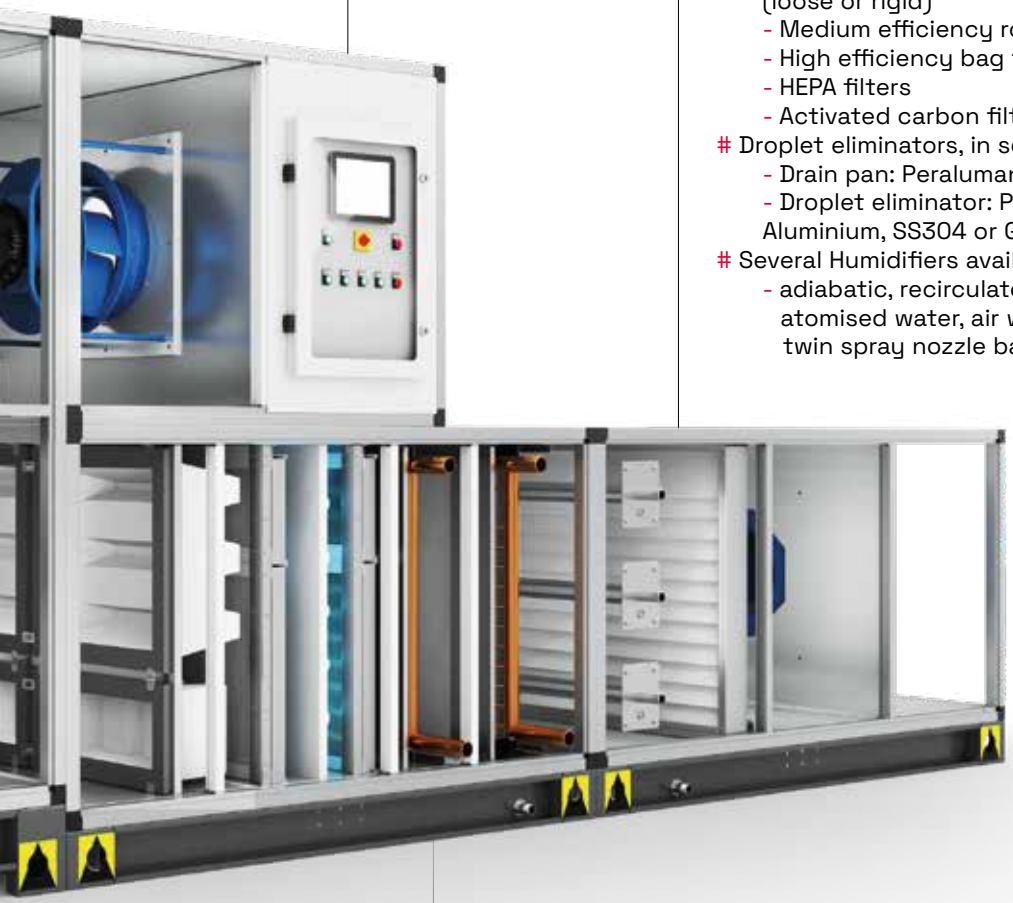
Filters available from G3 to H14:
- Medium efficiency flat filters
- Medium efficiency bag filters (loose or rigid)
- Medium efficiency roll filters
- High efficiency bag filters (loose or rigid)
- HEPA filters
- Activated carbon filters

Droplet eliminators, in several materials
- Drain pan: Peraluman or stainless steel
- Droplet eliminator: Polypropylene, Aluminium, SS304 or Galvanised steel

Several Humidifiers available:
- adiabatic, recirculated, steam generators, atomised water, air washers with single or twin spray nozzle bank.







COILS

Several materials available: Cu/Al, Cu/AlPr, Cu/Cu, Cu/CuSn, Fe/Al
Water coils for chiller/heat pump applications.
Direct expansion coils for VRF applications.
Steam coils for boiler applications.
Electric coils supplied with safety thermostat with manual reset.

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NEXT LEVEL
HVAC SOLUTIONS