CLEANAIR LX

Modular air handling units













CLEANAIR LX | Modular air handling units

- # 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.

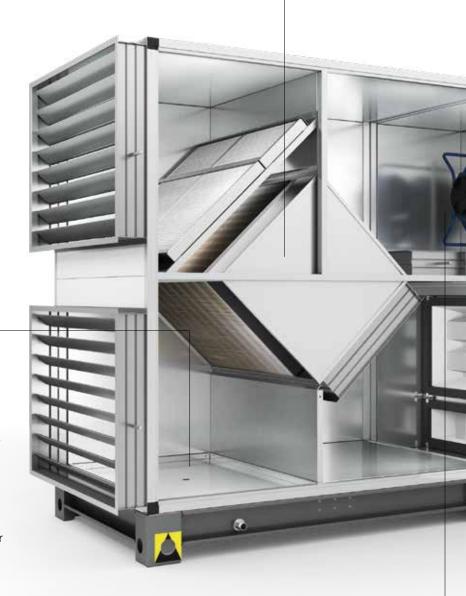
HEAT RECOVERY

- # 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 stainlesssteel. 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.

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.







- # 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.