



LAMBDA SKY

Packaged Rooftop

Air Handling Heat Pump/Air Conditioner **20÷300** kW



LAMBDA SKY

THE BEST INDOOR AIR QUALITY FOR LARGE SPACES



Enhanced Efficiency

Air Quality

- Various filters options (from G4 to F9)
- Fresh air management with **Air Quality Sensors**
- Humidity management for the best comfort all year long

Re-Use of **Waste Energy**

- Thermodynamic heat recovery
- Cross Flow Heat recovery
- Hot Gas Recovery

Inverter Plug Fans •

- Inverter compressors •
- Double Skin Sandwich panel •

Smartness

- Advanced Variable Air flow solutions
 - Smart Dampers Management
 - Adaptive Defrost •
 - Cascade control •
 - Floating Set point compensation
 - Remote Web control •

Flexibility & Configurability

- Full Recirculation
- Fresh Air management
- Humidifier
- Auxiliary Heating options
- Flexible air return and delivery layouts

Use of Free Energy

Enthalpic Free Cooling • Free Heating opportunities •



Low GWP below 700 R 32

Smart **Optimization Functions** to exploit the

best performance and efficiency

in all working conditions

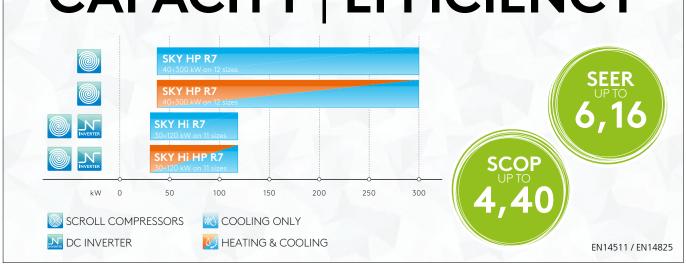
THE GREENEST ROOFTOP EVER





The **right fresh air** in any moment

CAPACITY | EFFICIENCY



APPLICATIONS

Lambda SKY can be a real **All in One** solution for those who has space constrains or specific building needs.

Different Flexible & Adjustbale air intake Layouts and delivery positions

Strongly Variable Optimize Consumption Heat Load in any condition

Efficiency far above minimum Tier 2 treshold

Strongly Variable Multiple Variable Occupancy Airflow Solutions









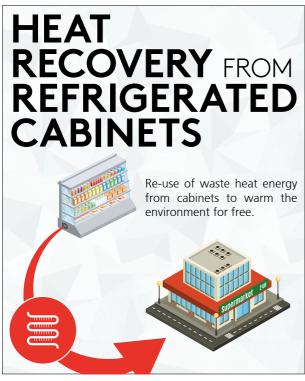
RETAILS

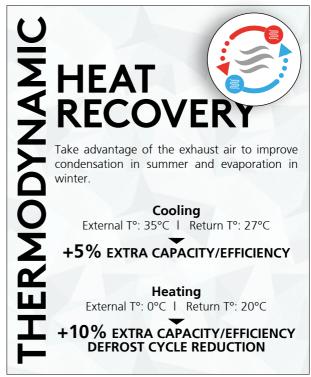
EXIBITION CENTERS

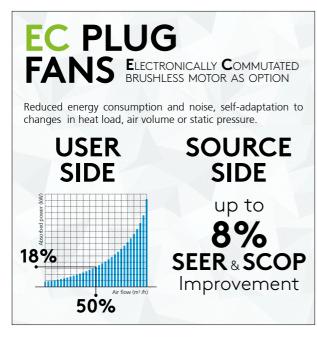
MALLS

WAREHOUSE INDUSTRIAL BUILDINGS











The control platform for air treatment, based on webserver.

Simple & Immediate Human Machine Interface

Standard Monitoring
Solutions
Serial Port Modbus RS485
Ethernet Port (RJ45):
Modbus su IP
Pagina Web



Unique Software Features

A Control Continuously Evolving following the Latest Industry Requirements



SET POINT COMPENSATION

Reach the perfect indoor climate comfort Let the unit work with the maximum efficiency (lowest ΔT between indoor and outdoor conditions)

Minimize energy expenditure

BESPOKE SETTINGS

The unit can be programmed with the highest flexibility on the days and timings:

Boosted freshair fucntionWash an ambient opening up all the Fresh Air Dampers

Pre-Heating & Pre-Cooling

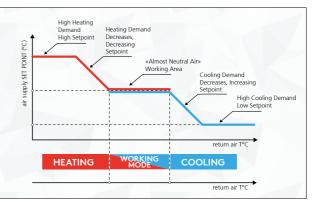
A software routine can be programmed to quickly restore the comfort conditions closing the fresh air and pushing at the maximum cooling/heating sources



CASCADE CONTROL

Cascade Control means the opportunity to act on the supply setpoint based upon the real heat load thus saving energy in most of the operating condition.

Neutral Air means avoiding unrequired Cooling/Heating.





Feel good **inside**

