



LAMBDA SKY Packaged Rooftop

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





LAMBDA SKY THE BEST INDOOR AIR QUALITY FOR LARGE SPACES

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

Flexibility & Configurability

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

Re-Use of Waste Energy

- Thermodynamic heat recovery

R 32

Enhanced Efficiency

- Inverter Plug Fans •
- Inverter compressors Double Skin Sandwich panel •
- Cross Flow Heat recovery
- Hot Gas Recovery
- Smartness
- Advanced Variable Air flow solutions
 - Smart Dampers Management .
 - Adaptive Defrost .
 - Cascade control .
 - Floating Set point compensation . Remote Web control .

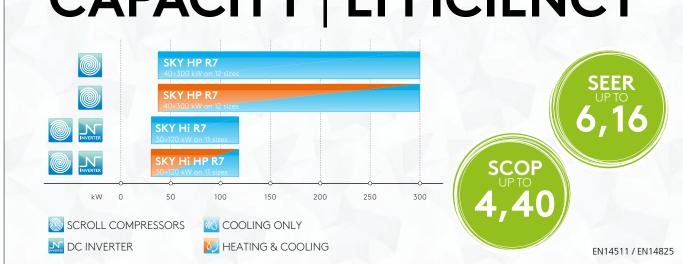
Use of **Free Energy**

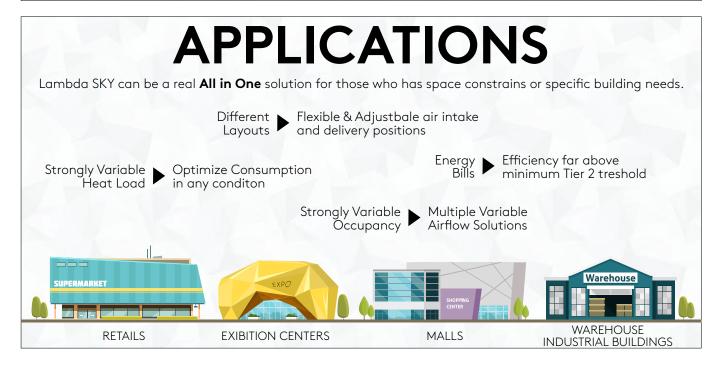
Enthalpic Free Cooling • Free Heating opportunities •

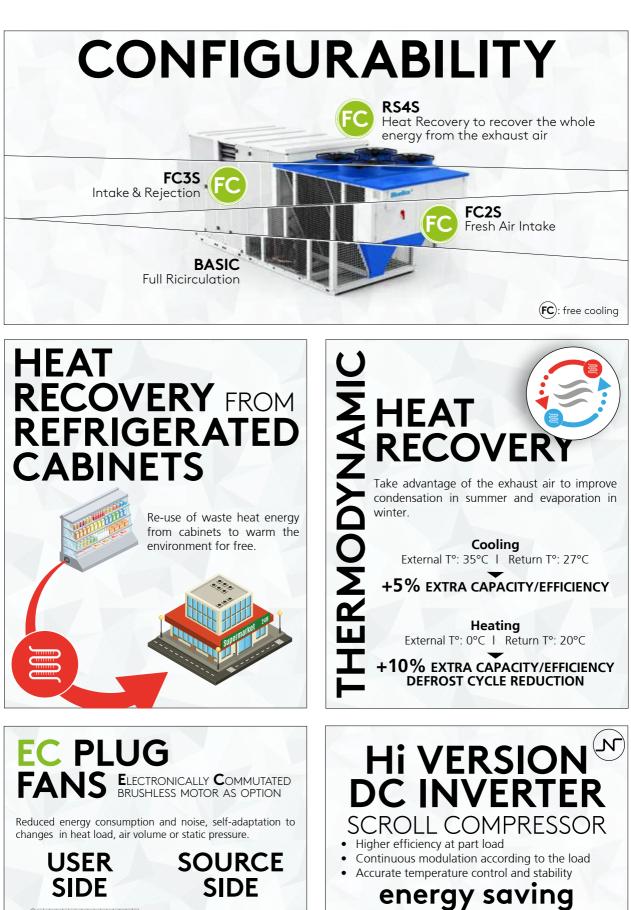












SIDE up to **8%** SEER & SCOP Improvement Accurate temperature up to **30%** higher SEER

18%

50%

up to

higher SCOP

(compared with standard scroll compressor)

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 comfortLet 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 fucntion Wash an ambient opening up all the Fresh Air Dampers

Pre-Heating & Pre-Cooling

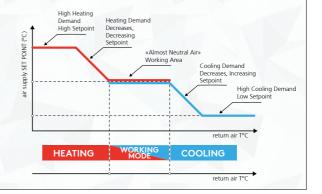
A software routine can be programmed to quickly restore the comfort conditions closing the fresh air and pushing at the maximum cooling/heating sources



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**



