

EPSILON Sky R7



## EPSILON Sky R7

High efficiency reversible heat pumps,  
chillers and condensing units

**6÷45 kW**

**WESTERN**<sup>TM</sup>  
AIRCONDITIONING  
WARMTEPOMPEN

**BlueBox**<sup>TM</sup>  
by Swegon

# EPSILON Sky

5 VERSIONS FOR EVERY APPLICATIONS



**INDOOR ENVIRONMENTAL QUALITY**  
coupled with AHU SWEGON GOLD

▼  
Reversible heat pump /  
condensing unit  
with inverter  
compressor



**RESIDENTIAL HEATING, COOLING AND DHW PRODUCTION**

▼  
Reversible heat pump  
with inverter /  
fixed speed  
compressor



**LIGHT COMMERCIAL HEATING AND COOLING**

▼  
Reversible heat pump  
with inverter /  
fixed speed  
compressor



**IT COOLING**  
coupled with  
**COOLBLADE LTD Sky**  
and  
**DATATECH LTD Sky**

▼  
Condensing  
unit  
with  
inverter  
compressor

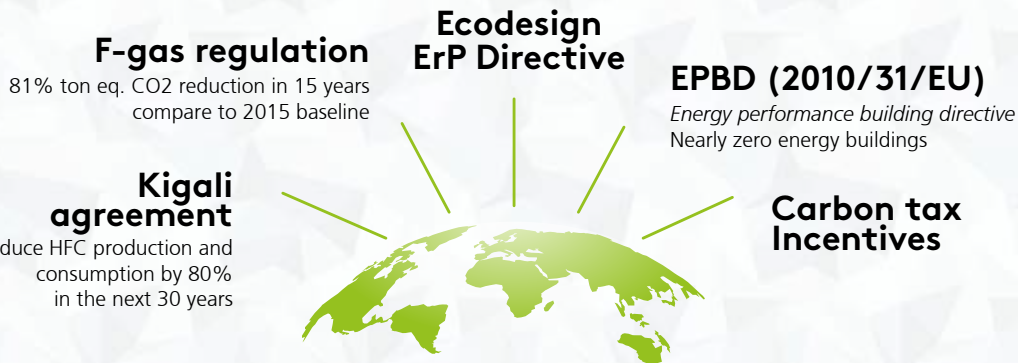


**PROCESS AND TECHNOLOGICAL APPLICATIONS COOLING**

▼  
Chiller  
with  
inverter  
compressor



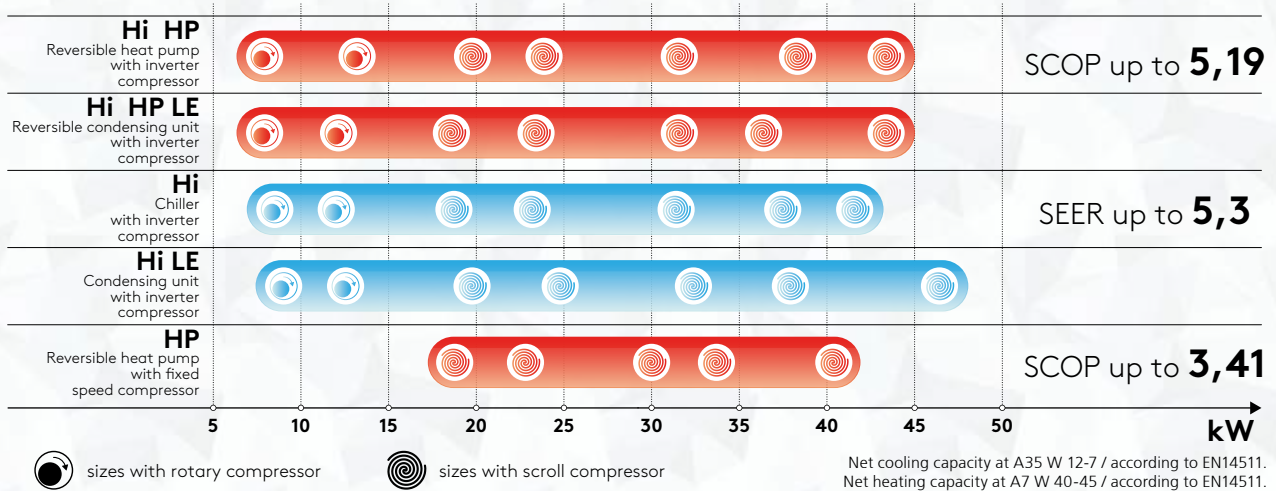
# CLIMATE CHANGE FIGHT



Global T increase < 1.5°C

All Blue Box Sky unit generation are designed to fight the climate change

# CAPACITY/EFFICIENCY



# OPERATING LIMITS

▼ Leaving water temperature up to

**60°C**

at -2°C outside air temperature

▶ space heating and domestic hot water production



◀ comfort cooling and process applications

Chilled water production ▼

**-10 ÷ 20°C**



# DETAILS making the DESIGN

## HEAT PUMP OPTIMIZATION

All heat pump versions are equipped with coils with hydrophilic coating and use a special control logic for electronic expansion valve to reduce and shorten defrosting cycles.

## EFFICIENCY

FULL INVERTER VERSION AVAILABLE

- Compressors driven by inverter (Hi version)
- EC Fans (Optional)
- Inverter driven pump (Optional)

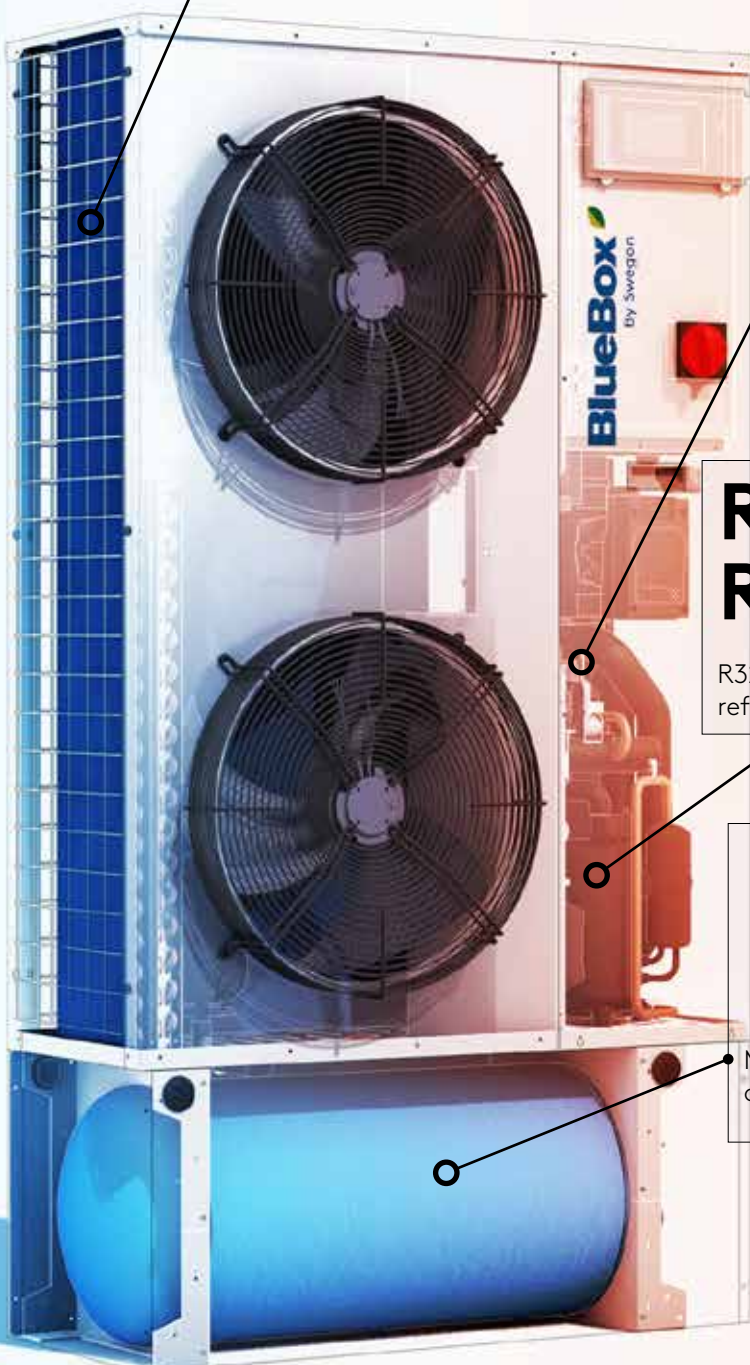
In addition to the advantage of higher efficiency, the use of inverter allows the unit to adapt its capacity to the heating/cooling load maximizing energy savings.

## R32 REFRIGERANT

R32 charge is reduced at minimum thanks to refrigerant circuit design optimization.

## INSTALLATION FLEXIBILITY

Multiple hydraulic kits (with standard or oversized pump and with or without tank)

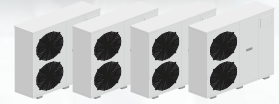


# BLUE ● ● ● ● ● ● ● ● THINK

Monitoring, performance reports, full management.

Blue Box control platform allows a total access to the machine from any device, in complete autonomy.

## Touch interface for unit configuration and monitoring



## MULTILOGIC

Ready for cascade system, no need of external hardware

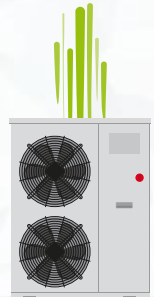
## SMART GRID

Ready to be connected to smart grid system

## web server



Easy access, management, data recording from web portal



## FLOWZER

Inverter-driven pumps control management for different system layouts

## SYSTEM INTEGRATION

### SMART Link+ FOR WATER COILS

Modulation of water temperature according to real time load to reduce energy consumption up to 15%

### SMART Link DX FOR REFRIGERANT COILS

Optimization of system working mode to keep safe and efficient conditions while guaranteeing good indoor climate

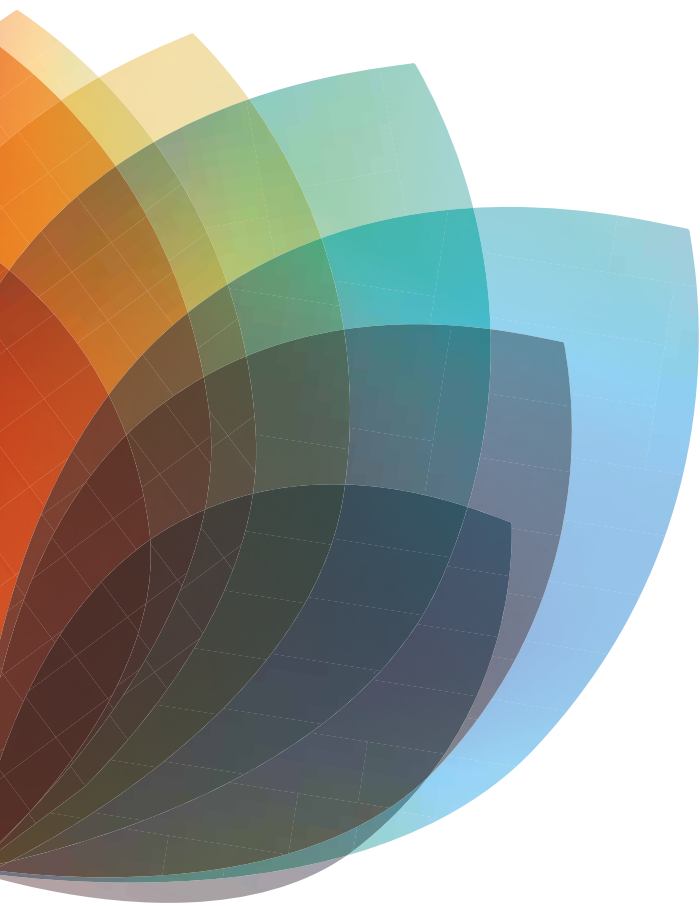
### GOLD air handling unit



### EPSILON Sky heat pump/condensing unit



Feel good **inside**



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WARMTEPOMPEN