

EPSILON Sky R7



## EPSILON Sky R7

High efficiency reversible heat pumps,  
chillers and condensing units

**6÷45 kW**

**BlueBox**   
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**

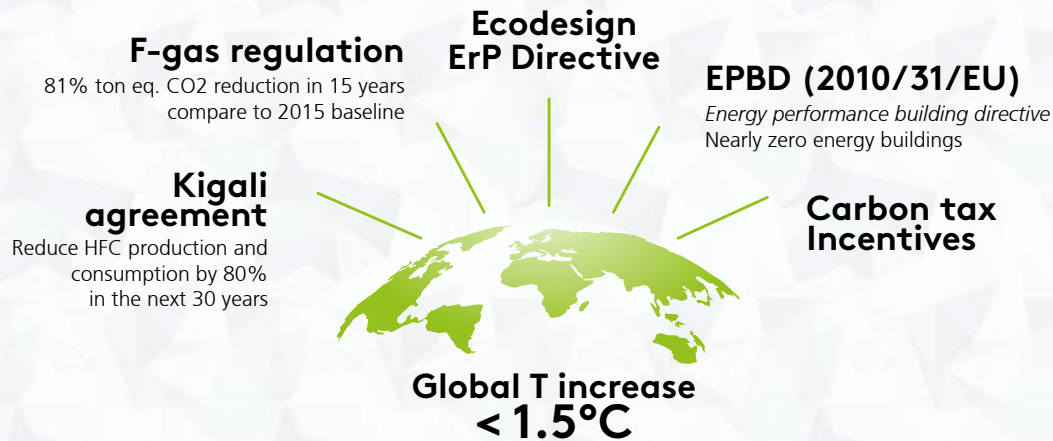


**PROCESS  
AND  
TECHNOLOGICAL  
APPLICATIONS  
COOLING**

▼  
**Chiller  
with  
inverter  
compressor**

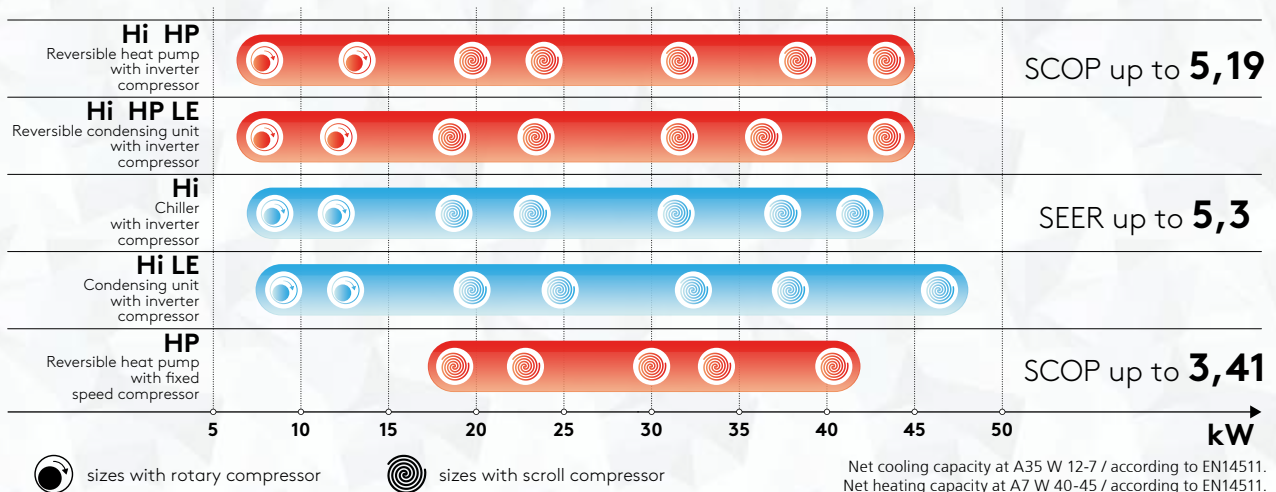


# CLIMATE CHANGE FIGHT



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)

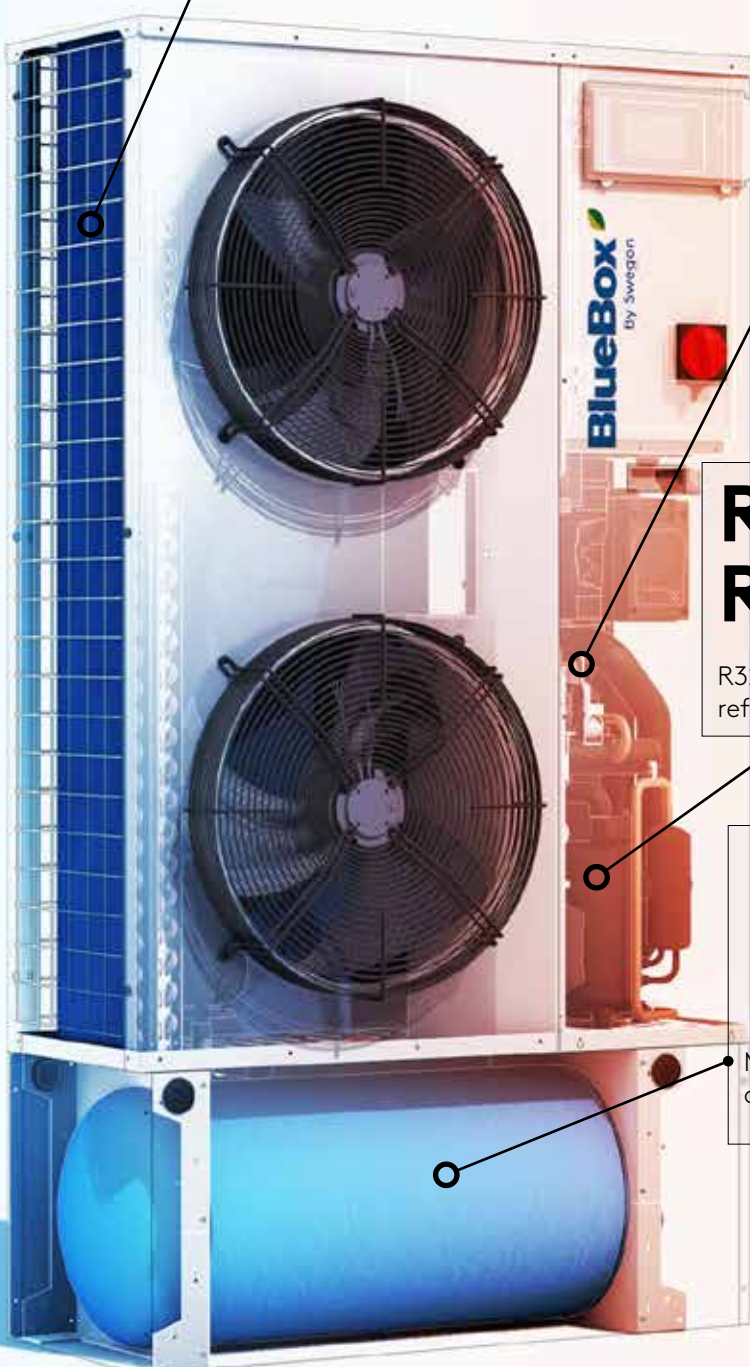
In addition to the advantage of higher efficiency, the use of inverter allows the unit to adapt its capacity to the heating/cooling load maximizing energy savings.

## R32 REFRIGERANT

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

## INSTALLATION FLEXIBILITY

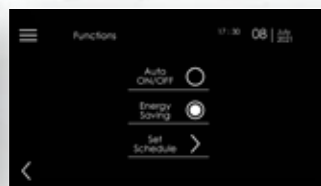
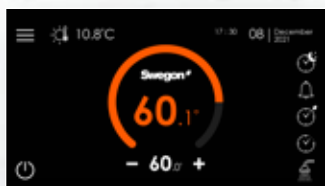
Multiple hydraulic kits (with standard or oversized pump and with or without tank)



# 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

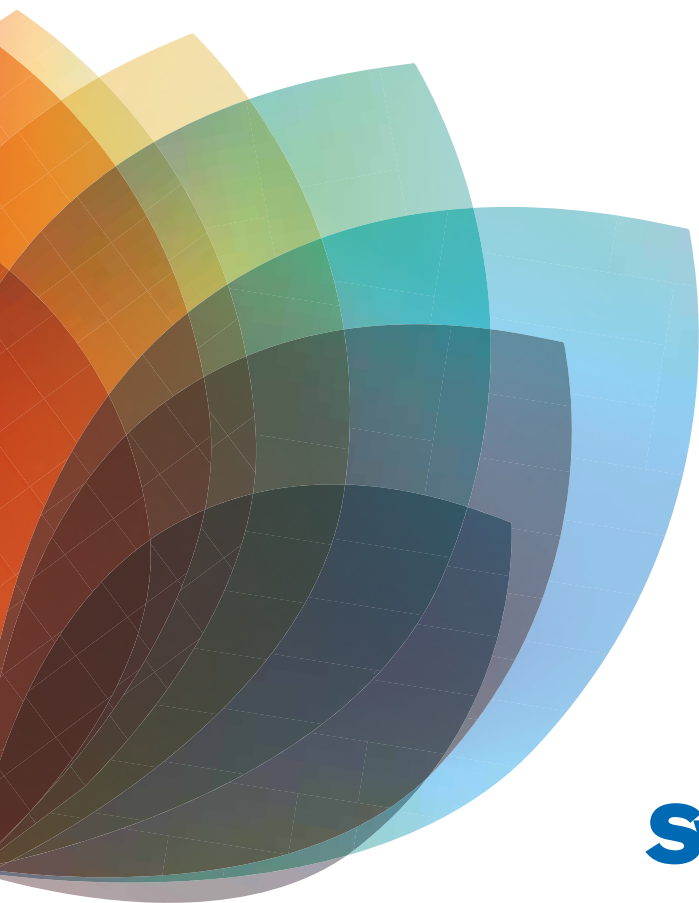
### GOLD air handling unit



### EPSILON Sky heat pump/condensing unit



Feel good **inside**



**Swegon** 

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