

ZETA SKY



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High efficiency air source  
chiller and heat pump

**30÷240 kW**

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

**BlueBox**   
by Swegon

# ZETA SKY

## LET'S COOL THE PLANET

 **R454B** | **GWP**  
**< 500**

**GWP** |   
**< 700** | **R32**

Lowest GWP  
available in the  
market for scroll  
units

Available also with  
inverter and EEV  
technology for more  
energy saving

Low Charge design

Extended  
working  
limits

DHW full  
management

Compatible  
with Bluethink  
and  
Flowzer  
options

56°C hot water  
@ 0°C OAT



### General

Air-source reversible HP unit. Single and double circuit.  
Scroll compressors unit with plate heat exchangers.

### Configurations

HP: Hot Water production up to 58°C  
SLN: super low noise versions  
LN: low noise versions  
DS: Heat recovery by desuperheater

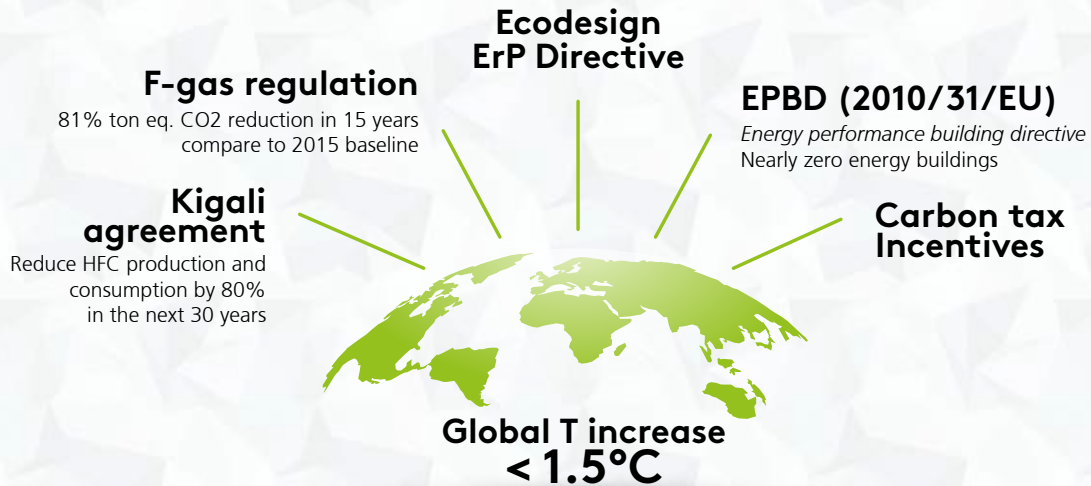
### General

Air-source chiller and reversible HP unit. Single and double circuit.  
Scroll compressors unit with plate heat exchangers.

### Configurations

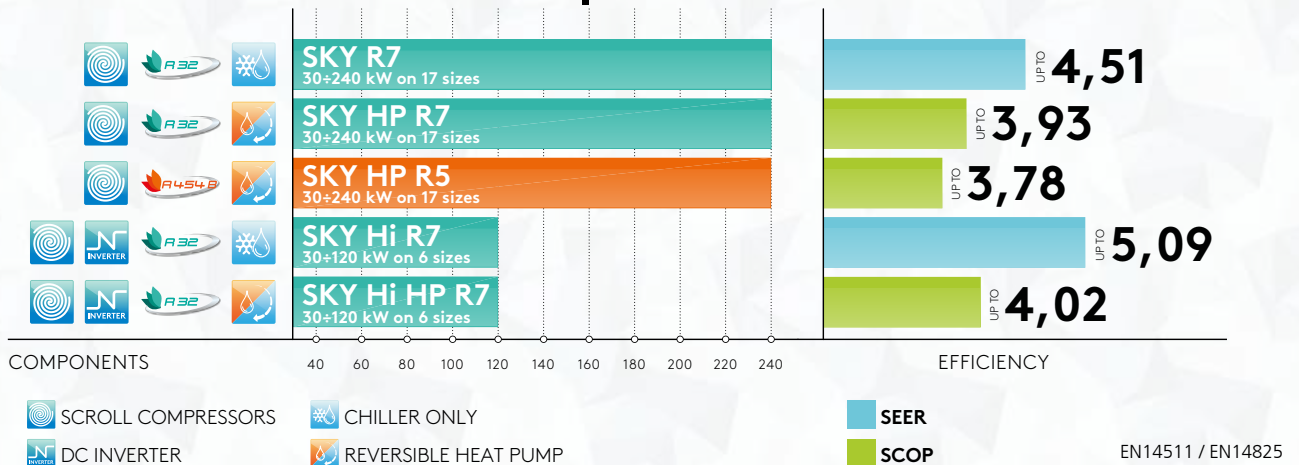
STD: Cold water supply from -8 up to 20°C  
HP: Hot Water supply up to 60°C  
DHW: domestic hot water management  
SLN: Super Low Noise  
LN: low noise  
DS: Heat recovery by desuperheater  
DC: Total recovery (chiller only)

# CLIMATE CHANGE FIGHT



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

## CAPACITY | EFFICIENCY



## OPERATING LIMITS

**ZETA SKY HP R7**

up to

**60°C**

water temperature

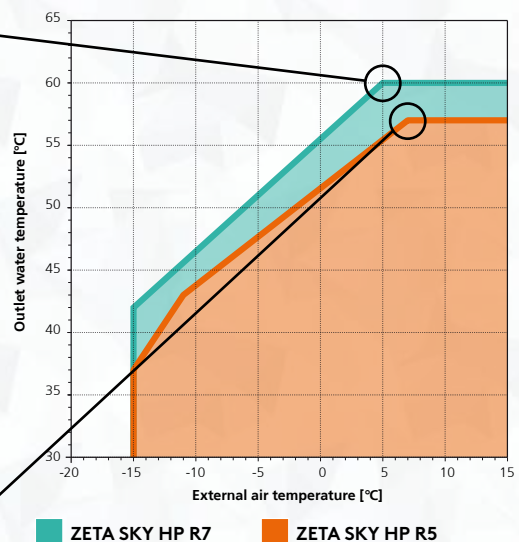


**ZETA SKY HP R5**

up to

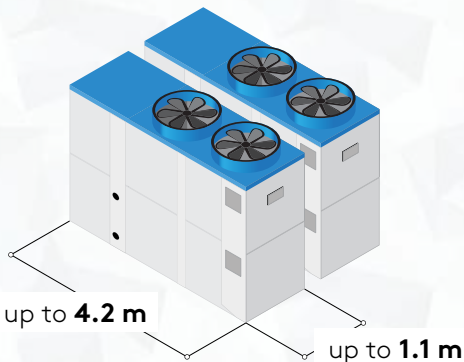
**57°C**

water temperature





# COMPACTNESS ▶ AV. **35** kW/m<sup>2</sup>



## Compact

One of the most compact unit in the market in the 100-250 kW range  
Ideal for both refurbishment projects as well as new installations  
Plenty of room for hydronics circuits, and recovery exchangers

## Easy handling

Easy transport by forklift or crane  
Reduced transport costs  
Units can be paired both in trucks as well as in containers

## Easy Maintenance

Full access to refrigerant circuit and compressors vain  
Easy single side coil cleaning  
All components protected within the frame

## EC AXIAL FANS

ELECTRONICALLY COMMUTATED  
BRUSHLESS MOTOR AS OPTION



### STANDARD

**15%** ENERGY SAVING PER FAN

**1.000 €/y\*** SAVING ( \*2 UNIT WITH 3 FANS; OPERATING 8700 HOURS / YEAR; 0,10 € / kWh )



### OVERSIZE

FURTHER ENERGY SAVING

**+ 100 Pa** AVAILABLE PRESSURE PER FAN



### PRESSURE RECUPERATOR

**+ 50 Pa** AVAILABLE PRESSURE PER FAN COMPARED TO OVERSIZED FANS

UP TO **3dB(A)** OF UNIT NOISE REDUCTION

## Hi VERSION DC INVERTER SCROLL COMPRESSOR

- Higher efficiency at part load
- Continuous modulation according to the load
- Accurate temperature control and stability
- Minimum water volume

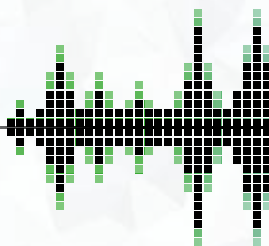
## energy saving



## up to 12% per year

(compared with standard scroll compressor)

## MULTIPLE LOW NOISE OPTIONS



**/LN up to -2 dB(A)**  
sound power level

**/SLN up to -4 dB(A)**  
sound power level

## HYDRAULIC MODULE

A wide range of options allow to configure the chiller to suit various application. Differentiated levels of pump useful head are available, with or without buffer tank.

### DOWN SIZED

▶ av. **1 bars**

### STANDARD

▶ av. **1,5 bars**

### LOW TEMPERATURE


▶ av. **1,5 bars / 40% gly.**

# BLUE ●●●● ●●●● THINK

Monitoring, performance reports, full management.

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

## Integrated web server



- **SET POINT**  
operating set point
- **MODE**  
unit mode (heating, cooling)
- **UNIT**  
visual status of unit (circuits, compressors..)
- **GRAPHS**  
real time diagrams of main variables (temperatures, pressure..)
- **INPUT/OUTPUT**  
status of inputs / outputs (digital and analogic)
- **MULTILOGIC**  
management of multiple units
- **LOGS**  
download and analyze unit data history



## BLUEYE CONNECT

REMOTE ACCESS TO UNIT

SAVE MONEY  
FAST SERVICE




## BLUEYE CLOUD

CLOUD RECORDING DATAPOINTS

PREDICTIVE MAINTENANCE  
CUSTOMER REPORTING  
ANALYSIS



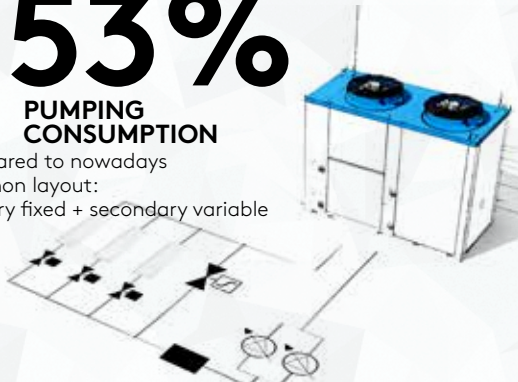
## FLOWZER



INVERTER-DRIVEN PUMPS CONTROL  
MANAGEMENT FOR DIFFERENT SYSTEM  
LAYOUTS

UP TO  
**-53%**  
PUMPING  
CONSUMPTION

compared to nowadays  
common layout:  
primary fixed + secondary variable




## HYZER

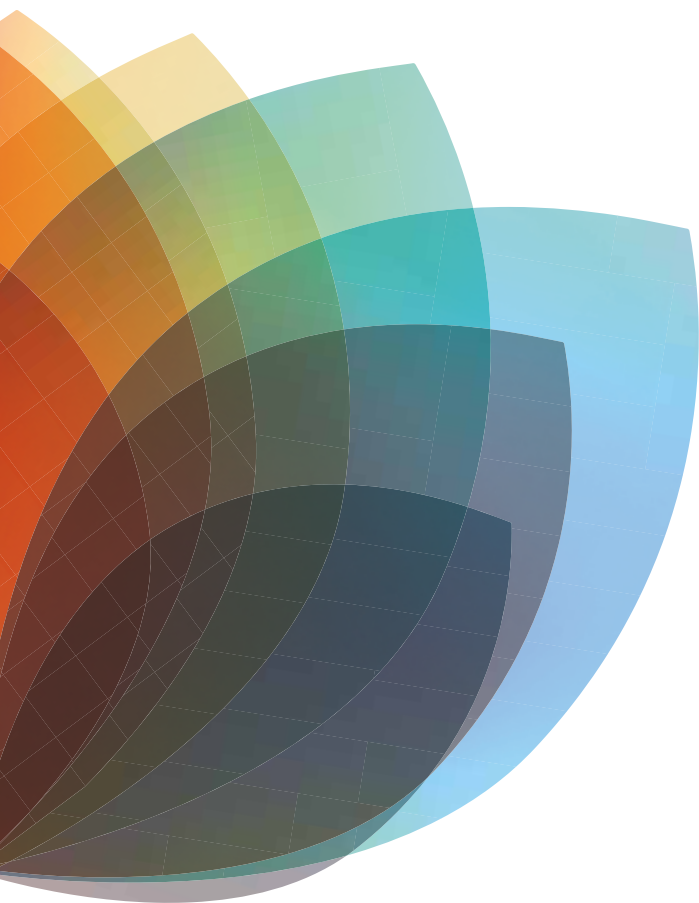
HYDRONIC OPTIMIZER

**BLUETHINK solution to manage several units, components and devices and build an optimized System.**

- **Advanced algorithms** to maximize system total efficiency
- **Less Opex** thanks to lower energy consumption
- **Flexible management** of multi units, variable water flow and external devices (drycoolers, cooling towers, boilers,..)
- **Real time** energy consumption to obtain advanced structured data analysis
- **Modular design** to perfectly suit any project requirements in terms of application, size and complexity



Feel good **inside**



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