

ZETA SKY



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High efficiency air source
chiller and heat pump

30÷240 kW

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

**Compatible
with Bluethink
and
Flowzer
options**

**Extended
working
limits**

56°C hot water
@ 0°C OAT

**DHW full
management**



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

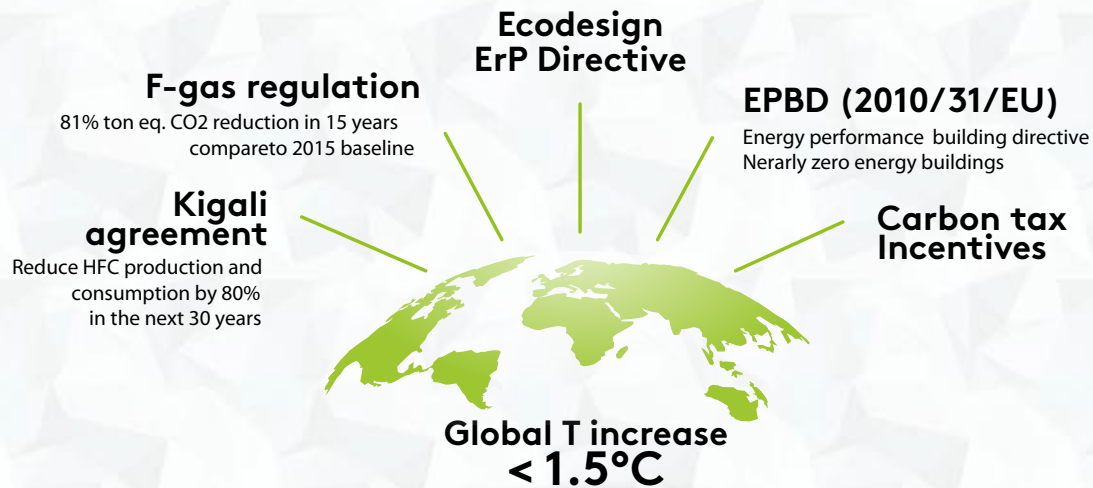
General

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

Configurations

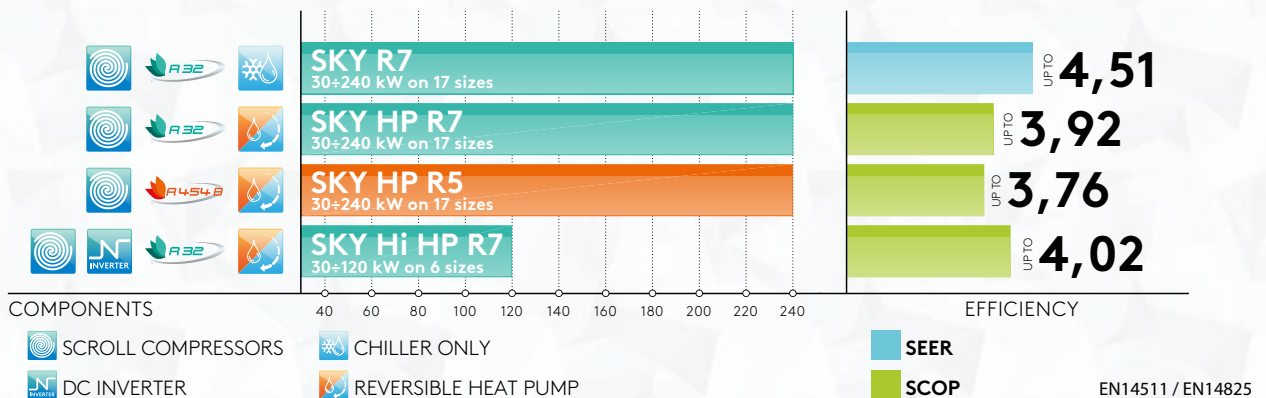
STD: Cold water supply from -8 up to 20°C
HP: Hot Water supply up to 60°C
DHW: domestic hot water management
SLN: Super Low Noise
LN: low noise
DS: Heat recovery by desuperheater
DC: Total recovery (chiller only)

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

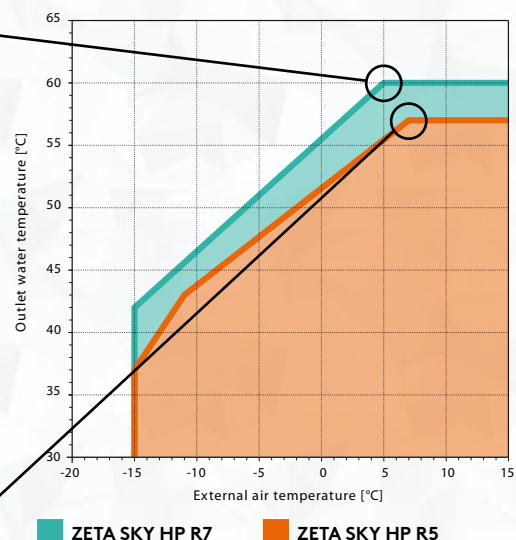


ZETA SKY HP R5

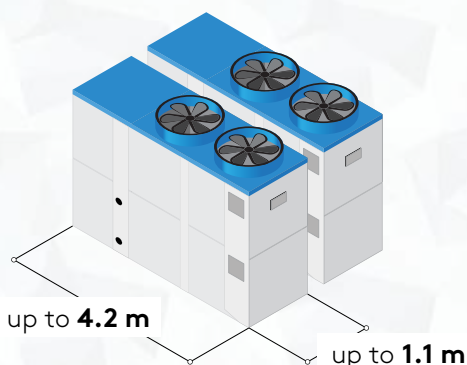
up to

57°C

water temperature



COMPACTNESS ▶ **35** kW/m² AV.



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

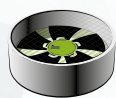
1.000 €/y* SAVING (*2 UNIT WITH 3 FANS; OPERATING
8700 HOURS / YEAR; 0,10 € / kWh)



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



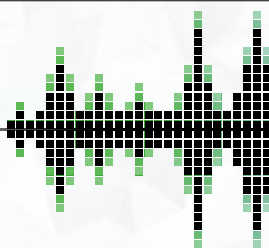
up to 12% per year

(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.

DOWNSIDED

▶ **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

