

ZETA SKY



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High efficiency air source
chiller and heat pump

30÷240 kW



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ZETA SKY

LET'S COOL THE PLANET

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

GWP |  **R32**
< 700

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

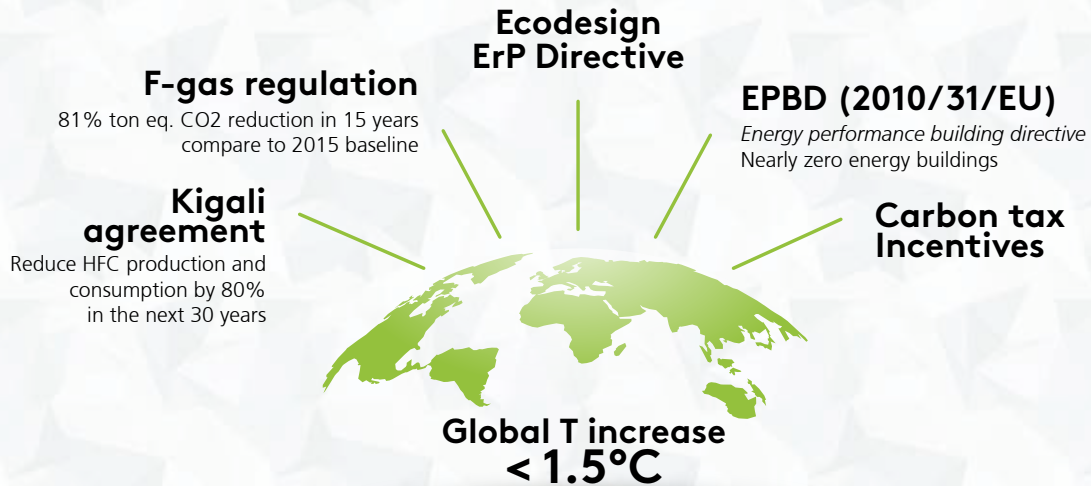
General

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

Configurations

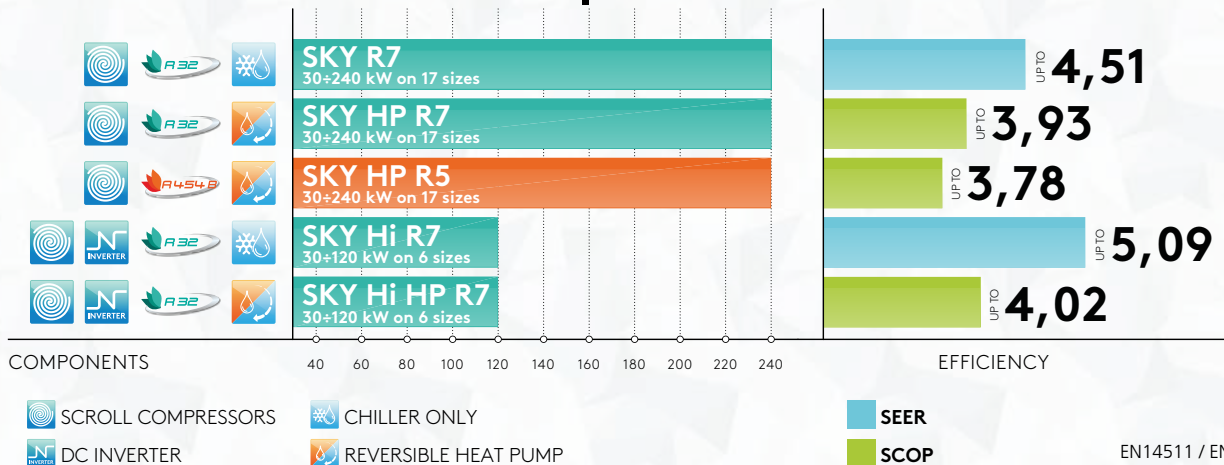
STD: Cold water supply from -8 up to 20°C
HP: Hot Water supply up to 60°C
DHW: domestic hot water management
SLN: Super Low Noise
LN: low noise
DS: Heat recovery by desuperheater
DC: Total recovery (chiller only)

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

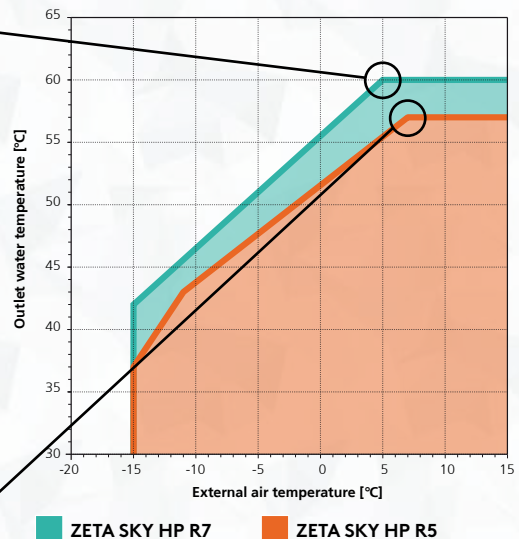


ZETA SKY HP R5

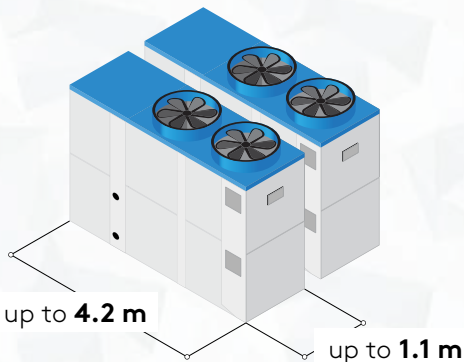
up to

57°C

water temperature



COMPACTNESS ▶ AV. **35** kW/m²



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 hydraulics 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

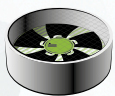
1.000 €/y* SAVING (*2 UNIT WITH 3 FANS; OPERATING 8700 HOURS / YEAR; 0,10 € / kWh)



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

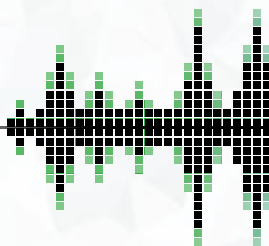
energy saving



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



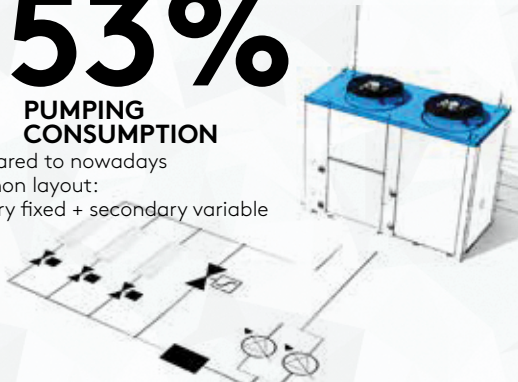
FLOWZER



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



