

TETRIS SKY



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High efficiency air source
chiller and heat pump
180÷715 kW



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TETRIS SKY

TWO HALVES OF THE SAME SOUL

HEATING

- Higher performance than most efficient legacy unit in the industry with reduced footprint
- SCOP up to 4.28, SEER up to 5,60
- Leaving water temperature up to 58°C

HIGH EFFICIENCY
+
R32 REFRIGERANT



**HIGH SUSTAINABILITY
WITH REDUCED TEWI**

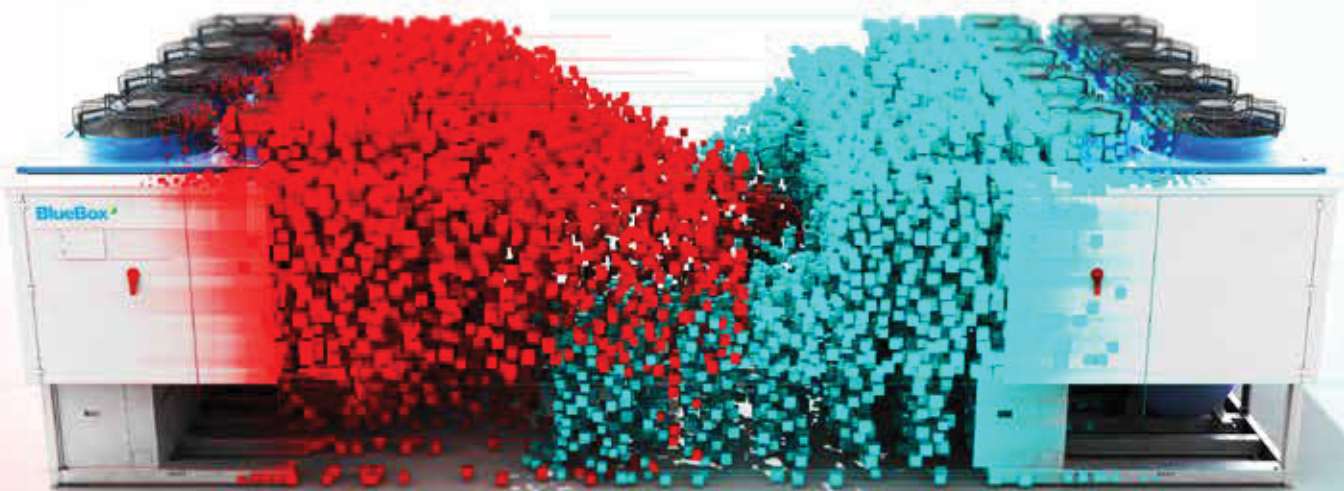
COOLING

- +8% seasonal efficiency compared to previous generation of scroll compressors chiller
- Very compact Frame, av. 50 kW/m²
- Extended working limits (down to -20, up to 52°C OAT)

GREAT PERFORMANCES
+
REDUCED FOOTPRINT



**IDEAL FOR THE
RENOVATION WAVE**



Ecodesign compliant

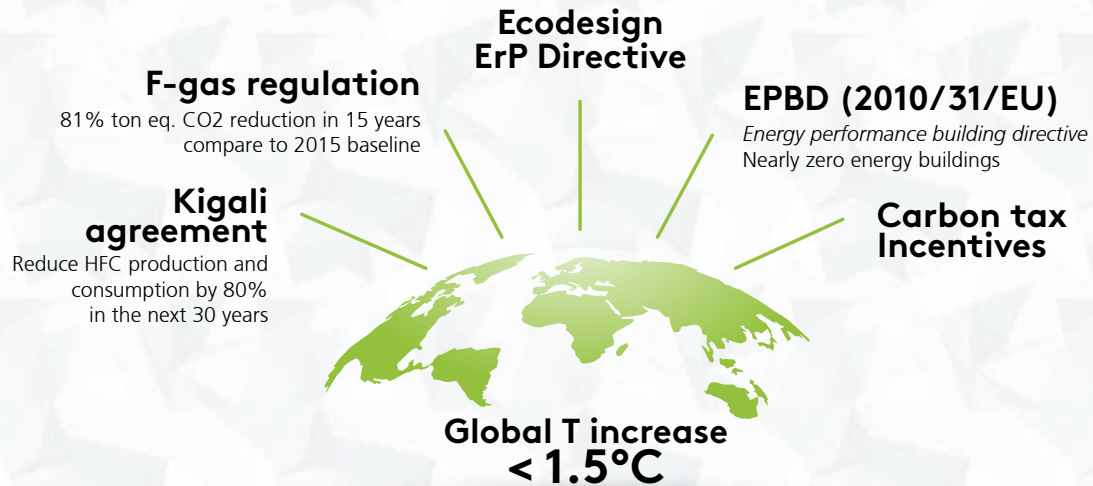


Low GWP below 700



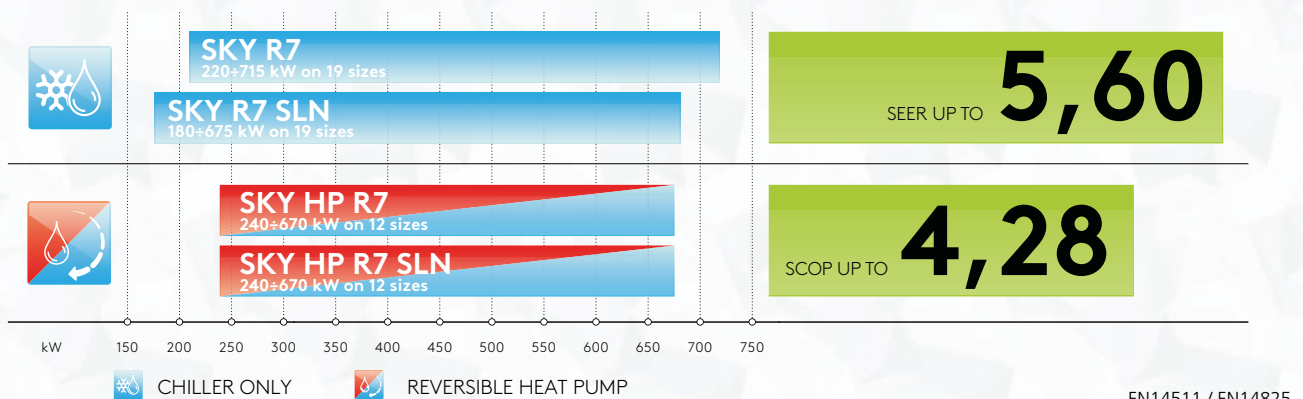
Advanced control

CLIMATE CHANGE FIGHT



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

CAPACITY | EFFICIENCY



OPERATING LIMITS

HEATING

extended working envelope with R32 refrigerant

Outside air T° ▼

-15°C ◀ ▶ 35°C

Leaving water T° ▼

up to **58°C**

40°C at **-15°C** outside air T°

COOLING

ideal for any applications, both comfort and process

Outside air T° ▼

-20°C ◀ ▶ 52°C

Leaving water T° ▼

-8°C ◀ ▶ 20°C

COMMON FEATURES

NEW GENERATION OF HIGH EFFICIENCY FANS, NEW R32 COMPRESSORS, NEW FRAME DESIGN TO LEAD HVAC INDUSTRY IN A NEW LOW CARBON FOOTPRINT ERA

New Fans

New fans for enhanced performances with low energy consumption and reduced noise emissions

Unbeatable efficiency at full and part load

▼ **-20% of absorbed power** by new technology fans

+8% efficiency thanks to **EC Fans** (option)

New Frame

Brand new Frame and Coil Design to achieve **highest performances** with **small footprint**

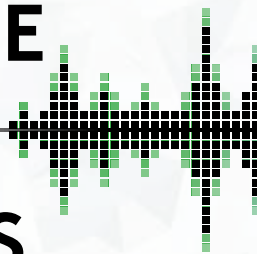


Compressors

New generation compressors optimized for R32 refrigerant, +4% full load efficiency
Optimized also at partial load and seasonal efficiency index

+8% of seasonal efficiency
with new technology compressors optimized for R32

MULTIPLE LOW NOISE OPTIONS



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

/SLN up to -7 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% MEG.**

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

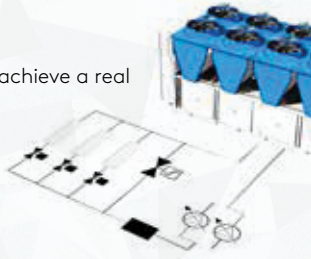


FLOWZER




INVERTER-DRIVEN PUMPS CONTROL
MANAGEMENT FOR DIFFERENT SYSTEM
LAYOUTS

- CONSTANT FLOW**
 - Simpler site's settings to achieve a real constant flow
- CONSTANT HEAD PRESSURE**
 - The right pressure to the users in any condition
- VARIABLE FLOW**
 - Full control of one unique hydraulic loop
 - Primary/Secondary Loop, the right solution for any layout



UP TO
-53%
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

