



## **OMICRON Zero S4**

High efficiency polyvalent units for 4-pipes system with refrigerant R290 cooling **50÷170** kW heating **50÷170** kW



# **OMICRON Zero**

# ENERGY IN LOOP WITH NATURE



PREMIUM Efficiency in all working conditions

- New "XR" integrated function
- Extended working envelope
- Extreme efficiency in all working conditions
- Reduced footprint
- Eurovent certified

ZERO

# CLIMATE EUROPEAN CLIMATE STRATEGY CHANGE IS GOING TO BE UPDATED AND FIGHT REINFORCED

#### **TARGET**

Reduction of **55%** Greenhouse Gas emission by **2030** 

Increased renewable energy (above 32%) by 2030

**Net-zero** Greenhouse Gas Emission by **2050** 



#### HOW?

F-gas regulation Regulation

Renewable Energy Directive

European Performance of Buildings Directive (**EPBD**)

Ecodesign **ERP** Directive

Keep temperature increase below 1.5°C

Become a climate neutral economy

# R290 H NATURAL REFRIGERANT H H H

#### SUSTAINABLE CHOICE

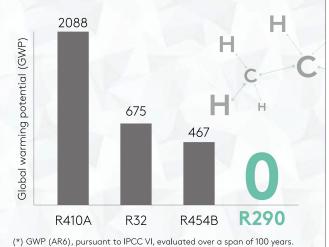
- Nearly zero Global Warming Potential (GWP≈0\*)
- Natural fluid
- Natural non toxic refrigerant
- No Ozone Layer impact
- -40% gas charge compare to R410A

#### RELIABLE CHOICE

• Implementation of the highest safety standard

#### **SMART CHOICE**

- No carbon tax
- Pushed by incentivation schemes
- Future-proof natural solution. On going HFC phase-out



# **TEWI**

TOTAL EQUIVALENT WARMING IMPACT

TEWI [tons CO, eq.]

Direct emissions + Indirect emissions

Leakage rate per year Service life (years) Leftover refrigerant after disposal Global Warming Potential

SWEDEN 8

NORWAY = 19 LITHUANIA = 22

FRANCE

FINLAND

AUSTRIA

BELGIUM

SPAIN

DENMARK CROATIA Plant cooling / Heating load Efficiency Electricity consumption CO<sub>2</sub> emission intensity

European electricity carbon intensity is dropping, so natural heat pumps become day by day more sustainable and will contribute to Europe decarbonization and climate neutrality



Electricity emission intensity [gCO<sub>2</sub>e/kWh], 2019 data, Source EEA

### **OMICRON Zero**

MINIMUM CARBON FOOTPRINT
THANKS TO ITS

**HIGH EFFICIENCY** 

LOW CHARGE OF PROPANE

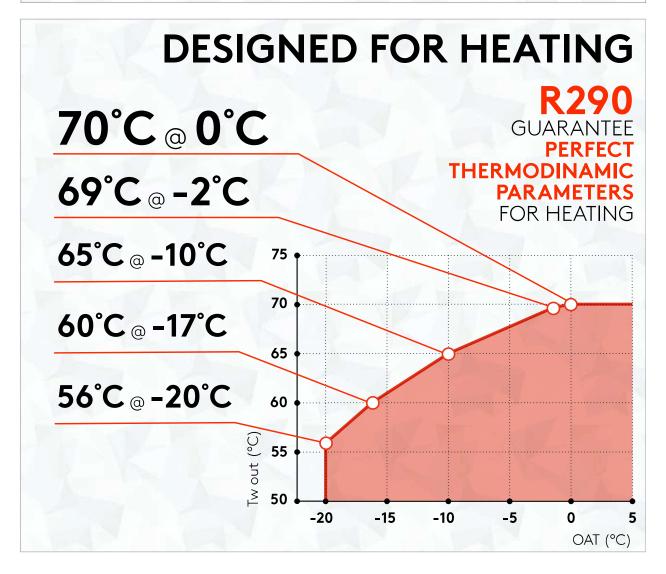
## 

Excellent efficency in all working conditions, especially in heating.

New **XR Function** (E**X**TRA **R**ECOVERY) allow to achieve high efficiency in all possible working conditions, keeping high capacity and efficiency also with extremelly low outside air temperature.

Combining High Efficiency version, heat recovery guaranteed from 4 pipes units and natural R290 refrigerant is possible to reduce Carbon Footprint of the unit and of the whole HVAC system providing really sustainable choice.

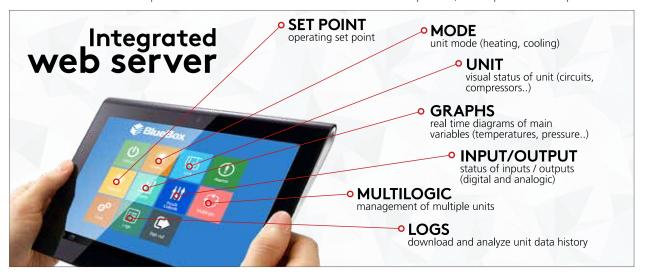
Net cooling capacity at A7 W 40-45 / according to EN14511



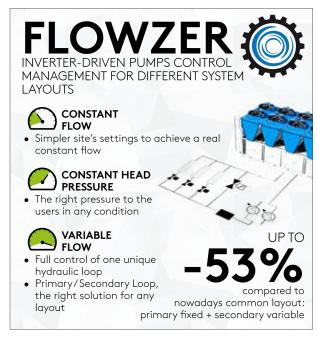


Monitoring, performance reports, full management.

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









# Feel good **inside**

