



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



Eurovent certified

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

SUSTAINABLE CHOICE

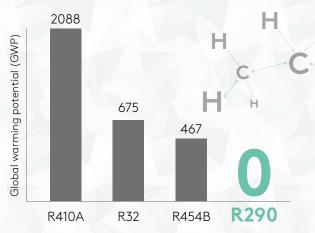
- Nearly zero Global Warming Potential (GWP≈0*)
- Natural fluid
- Natural non toxic refrigerant
- No Ozone Layer impact
- -40% gas charge compare to R410A

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



(*) GWP (AR6), pursuant to IPCC VI, evaluated over a span of 100 years.

TEWI

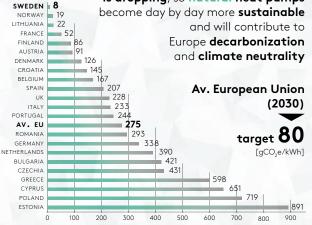
TOTAL EQUIVALENT WARMING IMPACT

TEWI [tons CO, eq.]

Direct emissions + Indirect emissions

Leakage rate per year Service life (years) Leftover refrigerant after disposal Global Warming Potential Plant cooling / Heating load Efficiency Electricity consumption CO₂ emission intensity

European electricity carbon intensity is dropping, so natural heat pumps become day by day more sustainable



Electricity emission intensity [gCO₂e/kWh], 2019 data, Source EEA

OMICRON Zero

MINIMUM CARBON FOOTPRINT

THANKS TO ITS
HIGH EFFICIENCY

LOW CHARGE OF PROPANE

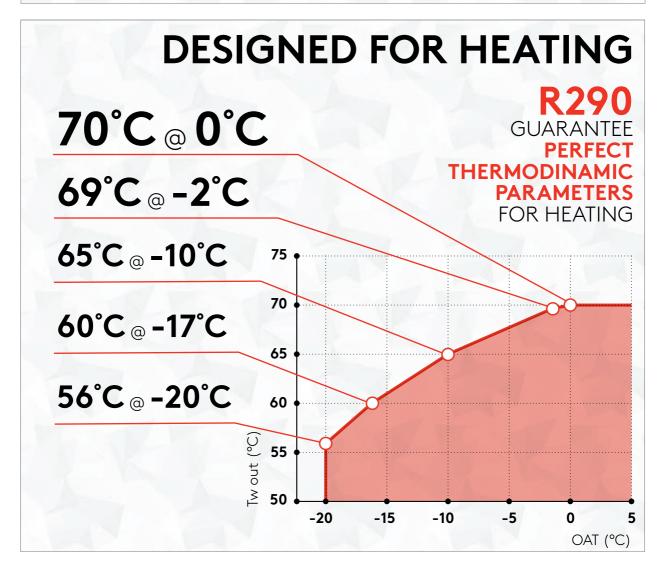
CAPACITY RANGE/EFFICIENCY EXTENDED RANGE (12 kW gap up to 100 kW, 25 kW gap up to 170 kW) 170 heoting capacity 4 sizes > Double circuit 4 scroll compressors SCOP MT Up to SCOP LT Up to TER Up to TER Up to

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.

