



TITAN SKY

Full inverter reversible heat pump with natural refrigerant **30÷200** kW



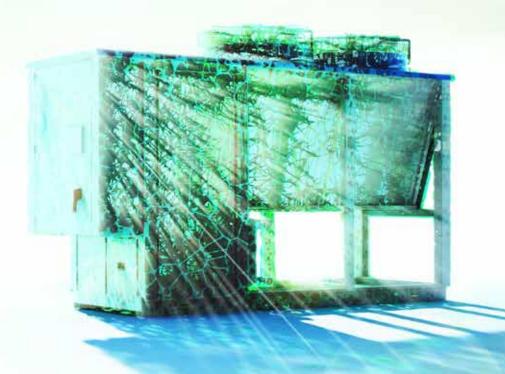




THE MOST SUSTAINABLE COMMERCIAL AIR SOURCE HEAT PUMP

Air Source Inverter Heat pump Natural refrigerant (R290) Lowest TEWI (Total Equivalent Warming Impact)

Unbeatable use of Primary energy thanks to Inverter technology • No Ozone Layer impact & Nearly Zero Global warming potential • Optimized Low Refrigerant Charge design • Meets the highest seasonal efficiency standard (European Ecodesign Erp) • Eurovent certification soon available



30-200 kW • Max Hot water: +63°C • Min Tair: -20°C • SCOP: up to 4.12







Natural refrigerant

Inverter technology

Advanced control



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

NATURAL REFRIGERANT SUSTAINABLE CHOICE • Nearly zero Global Warming Potential (GWP=3)

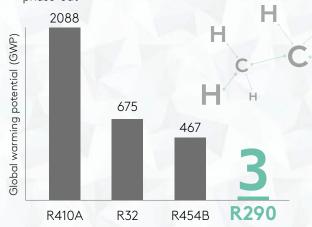
- Natural fluid
- Natural non toxic refrigerant
- No Ozone Layer impact
- -40% gas charge compare to R410A

RELIABLE CHOICE

- · Availability of optimized, long run reciprocating inverter technology
- Implementation of the highest safety standard

SMART CHOICE

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



TOTAL EQUIVALENT WARMING IMPACT

TEWI [tons CO₂ eq.]

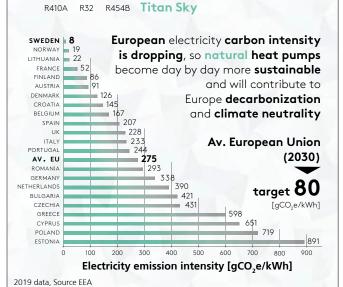
Direct emissions + Indirect emissions

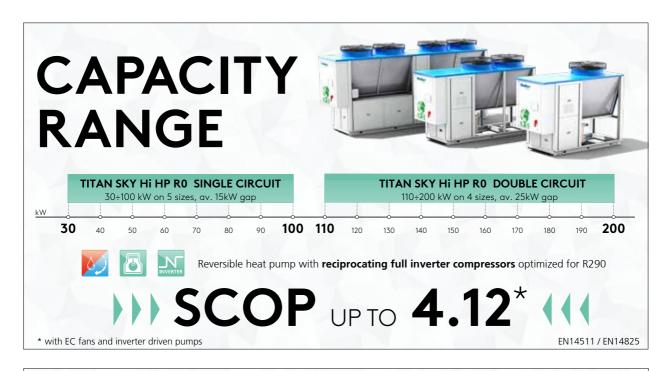
Leakage rate per year Service life (years) Leftover refrigerant after disposal Global Warming Potential

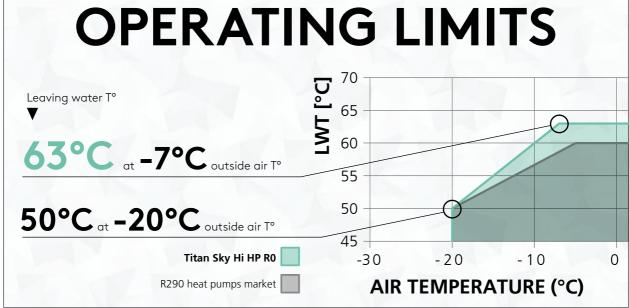
Plant cooling / Heating load Heat pump efficiency Electricity consumption CO₂ emission intensity

Sweden

Titan Sky is the heat pump with the 100% lowest carbon footprint TEWI % compared to R410A baseline in the market 73% 55% electricity carbon intensity $B = 0,008 \text{ kgCO}_2/\text{ kWh}$ 200 kW reversible HP units EN14825 Average climate condition Low temperature heating system, fan coil cooling system







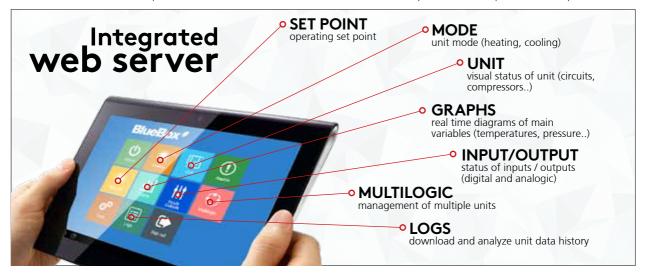




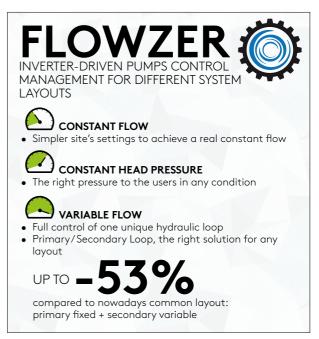


Monitoring, performance reports, full management.

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









Feel good **inside**



