



GEYSER SKY



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Full inverter reversible heat pump
with natural refrigerant
20÷30 kW

BlueBox 
by Swegon

GEYSER SKY

REVERSIBLE HEAT PUMP WITH NATURAL REFRIGERANT

Ideal for boiler replacement
High comfort thanks to the variable speed technology
Propane (R290), future proof refrigerant

- Unbeatable use of primary energy thanks to new generation inverter compressor •
 - No Ozone Layer impact & Nearly Zero Global warming potential •
 - Optimized Low Refrigerant Charge design •
- Meets the highest seasonal efficiency standard (European Ecodesign Erp) •

SPRING OF NATURAL HEATING

Natural refrigerant



Inverter technology



Advanced control
and interface



CLIMATE CHANGE FIGHT | EUROPEAN CLIMATE STRATEGY IS GOING TO BE UPDATED AND 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

NATURAL REFRIGERANT



SUSTAINABLE CHOICE

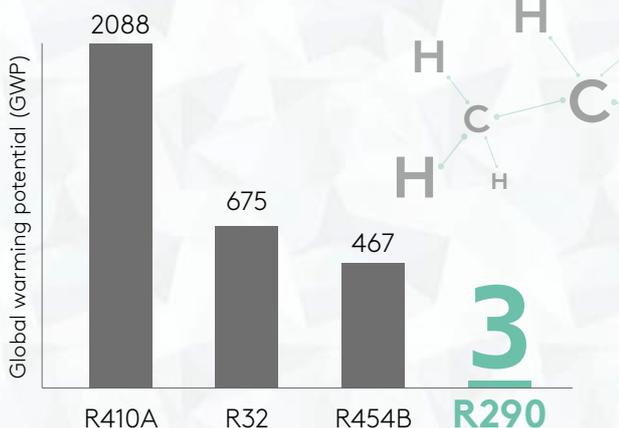
- Nearly zero Global Warming Potential (GWP=3)
- Natural fluid
- Natural non toxic refrigerant
- No Ozone Layer impact
- 40% gas charge compare to R410A

RELIABLE CHOICE

- 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 CO₂ eq.]

Direct emissions + Indirect emissions

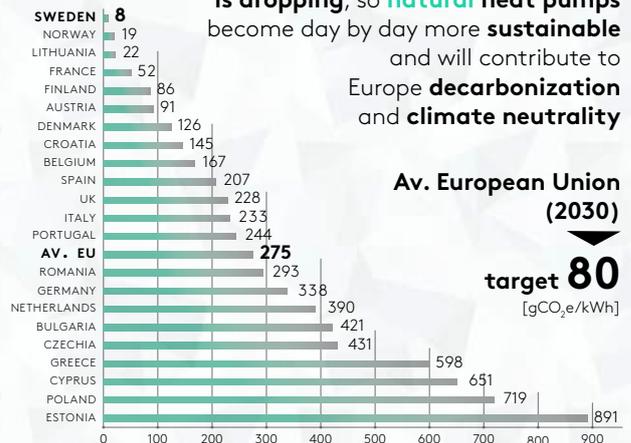
Leakage rate per year
Service life (years)

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** and will contribute to Europe **decarbonization** and **climate neutrality**



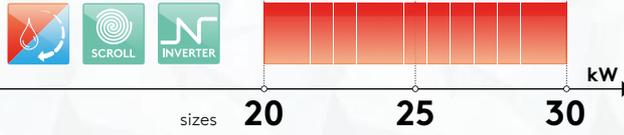
Av. European Union (2030)

target **80**
[gCO₂e/kWh]

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

GEYSER SKY HAS
MINIMUM CARBON FOOTPRINT
THANKS TO ITS
HIGH EFFICIENCY
AND
LOW CHARGE OF PROPANE

RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS



HIGH TEMPERATURE HEAT PUMP

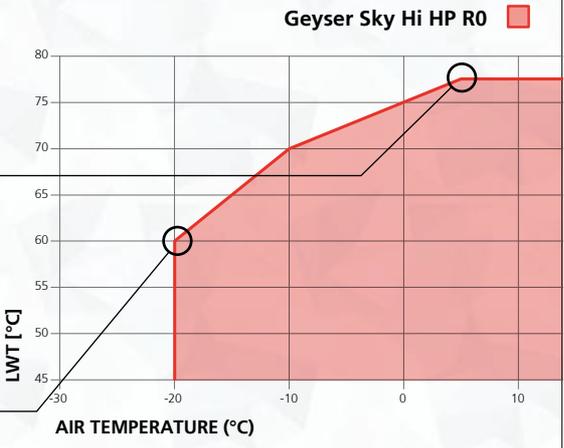
Easy boiler replacement

All year Domestic Hot Water production (DHW)

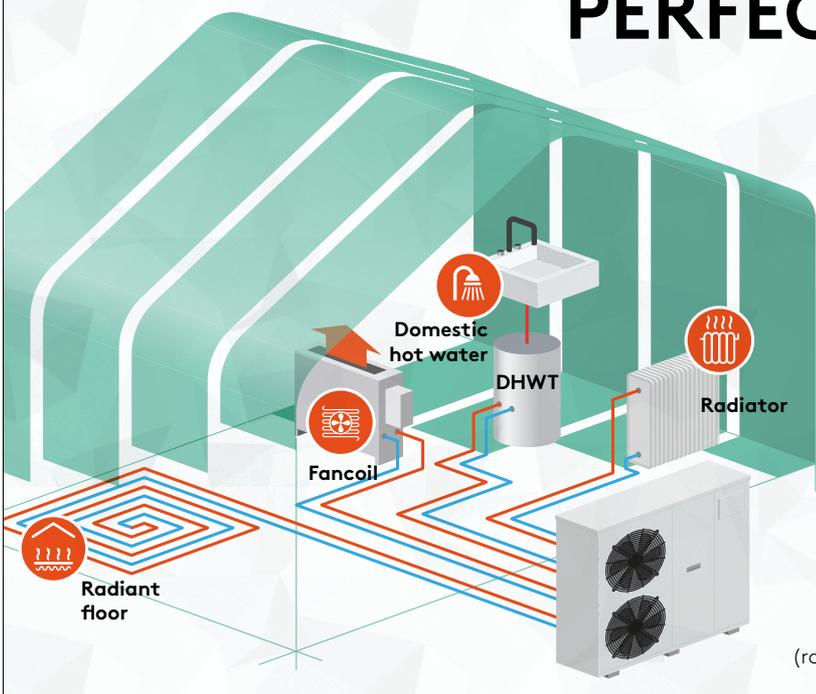
Simplified legionella prevention

Leaving water T° ▼
78°C
at 5°C outside air T°

Leaving water T° ▼
60°C
at -20°C outside air T°



PERFECT HEATING SOLUTION FOR EVERY PLANT



Space heating
Domestic Hot Water supply with **internal or external 3 way valve**

Management and optimization of **mixed plants**
(radiators + fancoils, radiators + radiant floor)

BLUE ● ● ● ● ● ● ● ● THINK

Monitoring, performance reports, full management.
Blue Box control platform allows a total access to the machine from any device, in complete autonomy.

Touch interface for unit configuration and monitoring



MULTILOGIC

Ready for cascade system, no need of external hardware

BLUEYE CONNECT

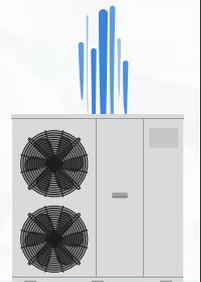
REMOTE MONITORING AND DATA ACCESS



Integrated web server



Easy access, management, data recording from web portal



FLOWZER

Inverter-driven pumps control management for different system layouts

SYSTEM INTEGRATION

SMART Link+

Modulation of water temperature according to real-time load

15% REDUCTION
IN ENERGY CONSUMPTION

-3% Energy saving for every degree the cooling flow water temperature is raised

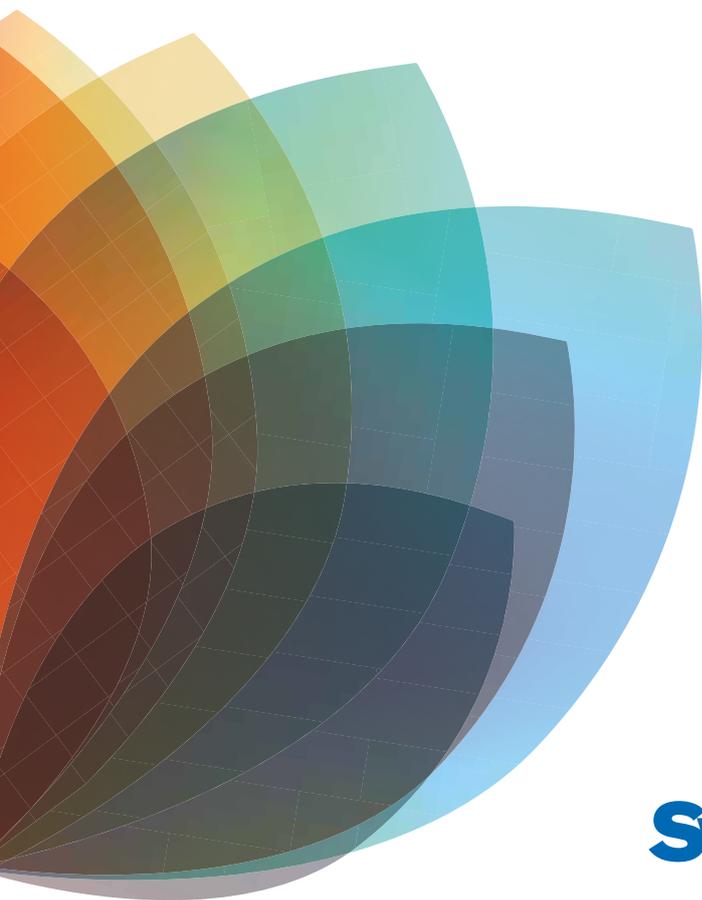
-2.5% Energy saving for every degree heating flow water temperature is lowered

GEYSER SKY air source heat pump

GOLD air handling unit



Feel good **inside**



Swegon 