



TITAN SKY Hi RO FC

Full inverter free cooling chiller with natural refrigerant **35÷150** kW





TITAN SKY FC

THE NATURAL CHOICE

NATURAL FREE COOLING CHILLER

Inverter compressor Natural refrigerant (R290) Extended Free cooling coil surface

Unbeatable use of Primary energy thanks to Inverter technology and Free Cooling function • No Ozone Layer impact & Nearly Zero Global warming potential • Optimized Low Refrigerant Charge design • Meets the highest seasonal efficiency standard (European Ecodesign Erp) • Pure water on user side (NG glycol free version)



CHILLER

35÷150 kW • Min Cold water: **-15°C** • Max Tair: **52°C** • SEER: up to **4.6**

FREE COOLING

Full **Free Cooling at 5K** from delivery temperature







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)

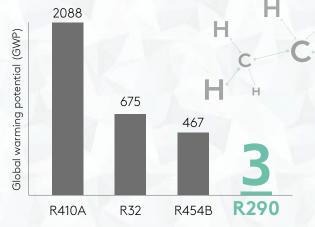
- Natural fluid
- Natural non toxic refrigerant
- No Ozone Layer impact
- -40% gas charge compare to R410A

RELIABLE CHOICE

- · Long run reciprocating compressor with 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



FREE COOLING

A STEP FORWARD SUSTAINABILITY

MODULAR COILS DESIGN

Condensing and free cooling coils are completely inde-

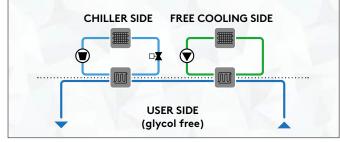
- Each coil is designed independently
- Low air pressure drops, low power absorbed by fan
- Optimized Condensing and Free cooling control
- Easy coils maintenance

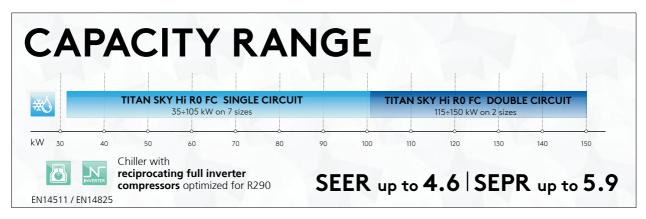


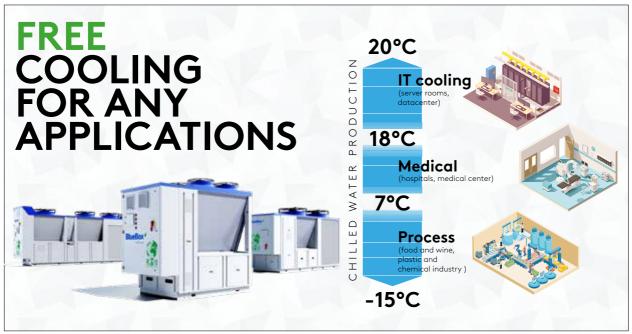
GLYCOL FREE VERSION

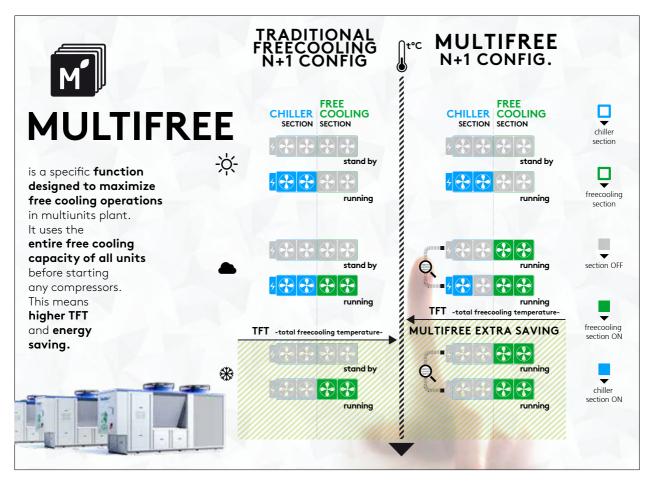
Allows to separate freecooling circuit, with glycol, from user side circuit:

- suitable for plant where glycol mixtures are not allowed
- safe operation e.g. in case of leakages
- cost saving: circuit's filling and safety arrangements







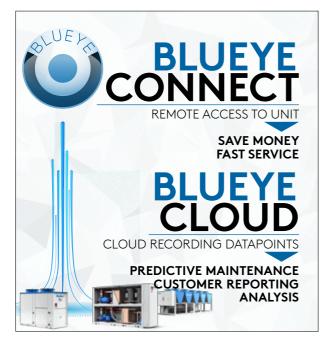


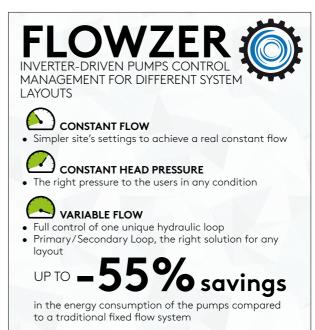


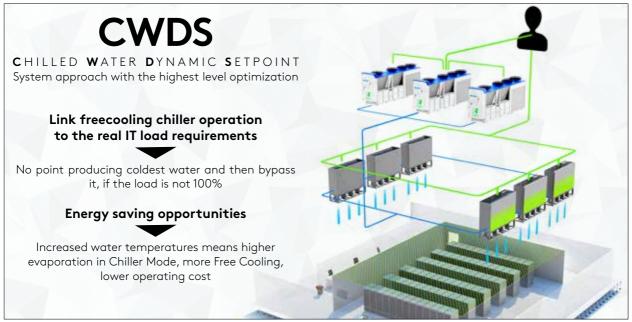
Monitoring, performance reports, full management.

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









Feel good **inside**

