

# Tetris W Rev FC/NG





Water-source free-cooling chillers, no-glycole. **39**÷**634** kW





# INDOOR FREECOOLING

the ultimate free-cooling experience

#### General

Water-cooled free-cooling chiller for indoor installation. Scroll compressors and plate heat exchangers.

#### Configurations

Base: unit with a TFT of -2°C HE: unit with a TFT of 1°C LN: Low Noise setup



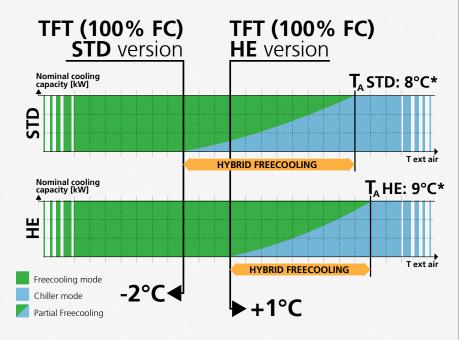
## HYBRID FREECOOLING

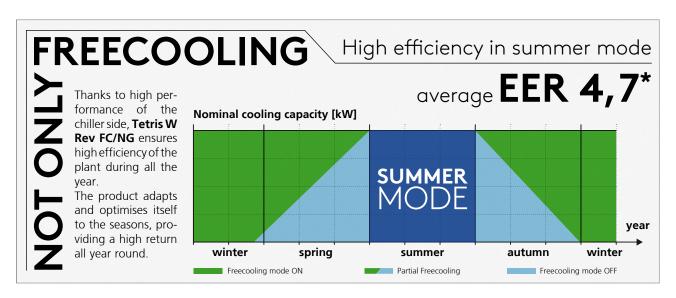
**Tetris W Rev FC/NG** combines all the advantages of high efficiency water-cooled chiller with the hybrid freecooling integrated system

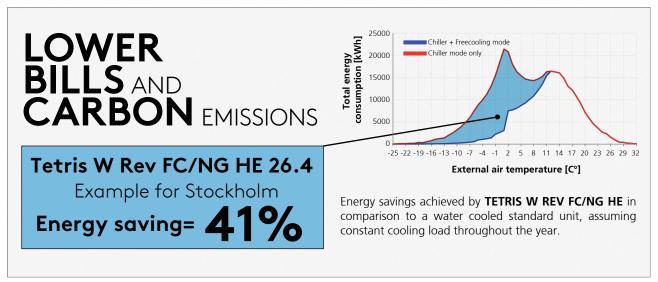
#### · Hybrid free Cooling

Unit performs full nominal capacity with compressors operating at part load with reduced power consumption.

100% Free Cooling (Winter)
 Unit performs full nominal capacity only using Dry Cooler fans and with compressors OFF.







# double circuit, 4 or 6 compressors | 12 sizes double circuit, 4 or 6 compressors | 12 sizes double circuit, 4 or 6 compressors | 12 sizes double circuit, 4 or 6 compressors | 12 sizes double circuit, 2 or 3 compressors | 19 sizes single circuit, 2 or 3 compressors | 19 sizes kW 40 170 410 630



# EASYINSTALLATION

Tetris W Rev FC / NG provides a lot of options and pumping configurations to suit every requirements.

The footprint is designed for indoor installation (max width below 900 mm)

For larger capacities, the units can be supplied as either split or single structure, allowing to choose the best solution for transport, indoor movement and connections.

#### This means:

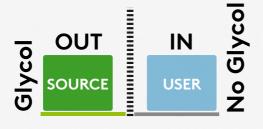
- Less design time
- Quicker and less cost for installation team
- Few connections

# FREE

Thanks to the built-in **decoupling heat exchanger** Tetris W Rev FC/NG is Glycol free on user side.

#### This means:

- better heat exchange properties and less energy for pumping
- suitable for systems where glycol mixtures are not allowed
- safe operation e.g. in case of leakages
- cost saving from circuit's filling and safety arrangements



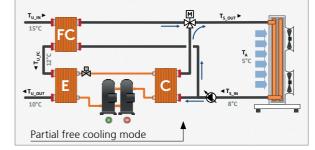
# FLEXIBLE MATCHING UNIT/DRY-COOLER

#### INDOOR UNIT

▶ unobtrusive solution

#### **DRY-COOLER**

- selectable from catalogue according to:
- Overall performance: climate profile, load pattern
- Noise limits
- Dimensions / architectural prescriptions







#### Integrated web server

main features



Set point operating set poin



Alarm



visual status of unit (circuits, compressors..)



Input/Output status of inputs / outputs (digital and analogic)



**Graphs**real time diagrams
of main variables
(temperatures, pressure..)

- > USB, RS485 and Ethernet ports as standard
- > Recording of unit parameters one month long

#### **MULTILOGIC FUNCTION**

#### Management of multiple units of a system / hydraulic loop.

- > Specific operational logics to satisfy different installation requirements
- > Maximized energy efficiency
- > Feature fully embedded in the control resources and factory-preset
- > Fast commissioning. Simple LAN connection between units. No external devices required.

#### **BLUEYE**

#### Remote supervision via web by Blue Box.

It offers, for one or more units / systems:

- > operation status monitoring
- > access to unit's settings and parameters
- > data recording via cloud, with options about data displaying, graphs, etc.
- differentiated access profiles and privileges to ensure a safe and efficient interaction
- > also the status of system's additional components can be monitored, e.g. pumps, energy meters, valves

# FLOWZER HYDRAULIC MANAGEMENT OPTIONS BASED ON INVERTER-DRIVEN PUMPS

The new family of scalable options associated to the wide range of built-in pump modules.

For each application layout, FLOWZER offers the best-fitting solution about the water distribution to the system:

- Pumping energy saving; minimized operational cost
- No external devices required.

#### > Flowzer VP

Operation at fixed speed setpoint

#### > Flowzer VD

Management of constant  $\Delta P$ 

#### > Flowzer VPS

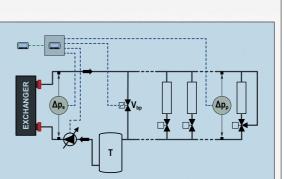
Management of constant  $\Delta T$  on Primary/Secondary pump circuit

#### > Flowzer VFPP

Management of constant  $\Delta T$  on primary pump circuit Simplified system's circuit, as additional external pumps of secondary circuit are not required.

up to -80%

pumping energy consumption\*





### Blue Box technological product range

find out the complete product range on our web site and catalogues



#### Zeta Rev .Ei & FC > 30÷90 kW



Chiller range with high overall efficiency. Versatile configuration. Free-cooling model: independent section, no-glycole option.

















#### Zeta Rev FC > 44:143 kW



Free-cooling chillers. Extensive range, versatile applications. Independent free-cooling section, no-glycole option.

















#### Tetris 2 FC > 97÷518 kW



Modular free-cooling chillers for large systems. Wide range; multiple combinations of highefficiency, low-noise versions. Selectable independent free-cooling module.

















#### Kappa Rev FC $> 320 \div 1300 \text{ kW}$





















#### Kappa Rev .Ei & FC > 286÷1451 kW



Modular chillers for large systems. High overall efficiency, two tiers. Wide capacity range. Freecooling model: selectable independent module.



















#### Kappa Rev LGW & FC > 240÷1020 kW



Low GWP modular chillers for large systems. Unique width of range and versions. Free-cooling model: selectable independent module.

















#### Kappa V Evo & FC > 325÷1178 kW



Compact chillers for large systems. Free-cooling model available.













