

# Zeta/Beta Rev

Air cooled chillers and heat pumps



40 ÷ 240 kW

## General

High energy efficiency, personalised chillers and heat pumps with scroll compressors for indoor or outdoor applications.

## Configurations

HE: high efficiency  
SLN: Super Low Noise  
LE: condensing unit  
LE/HP: reversible condensing unit  
Unit with Hydraulic module

## Bullet points

- ▶ Eurovent Class A Unit.
- ▶ Unit with Night Shift function
- ▶ Advanced control always available as option
- ▶ Multilogic
- ▶ Integrated hydraulic modules also with a buffer tank.
- ▶ Three types of pumps: standard, oversize and for high percentages of glycol (e.g. up to 50%).
- ▶ Availability of pumps with inverter on user side.
- ▶ Setup with AC or EC radial fans



**A class**  
chiller  
& heat pump

**Advanced control**

EER: up to **3,30**  
ESEER: up to **4,65**

**EC fans**

**Super low noise**  
LW down to **76** dB(A)

**Night shift** system

**Condensing unit**

**1 circuit:**  
up to **160kW**  
**2 circuits:**  
up to **240kW**

**Heat pump**  
COP: up to **3,36**

**Hot water**  
**47°C**  
at **-10°C** external air

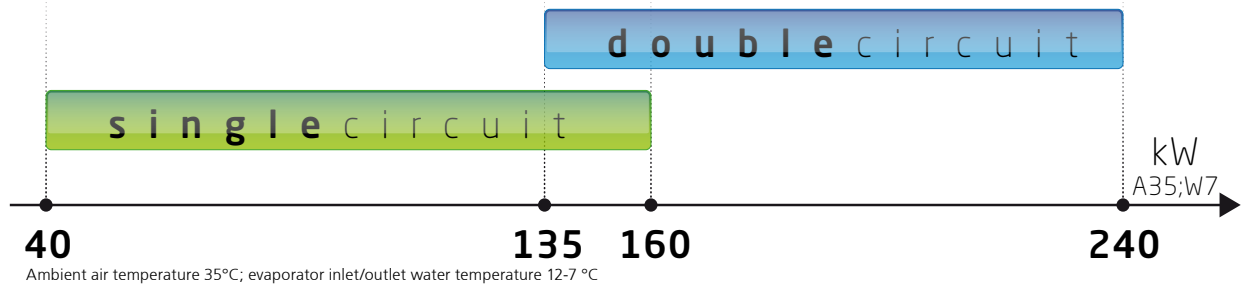
**High efficiency**  
**heat pump**  
Operating limit  
down to **-15°C**

**Reversible**  
**condensing unit**  
up to **260 kW**

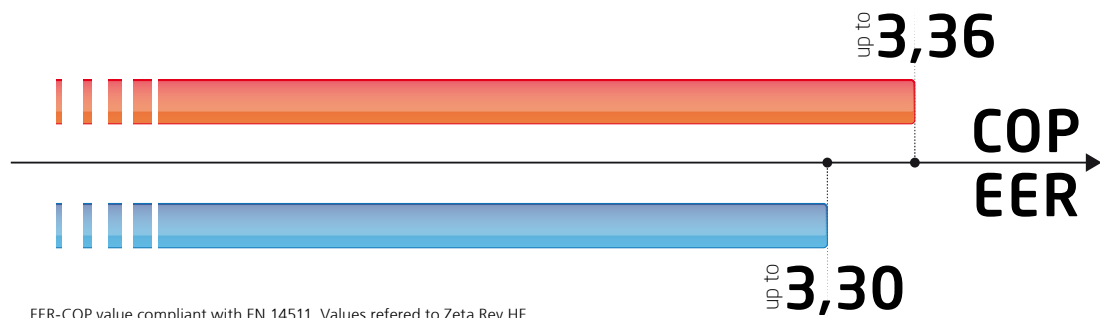
**Smart**  
**control**

THE NEW LEGACY

# CAPACITY RANGE



# EFFICIENCY



## OPERATING LIMITS

Full Load > **down to -15°C**  
 Part Load > **down to -17°C**  
 Hot water > **47°C at -10°C**

Values referred to Zeta Rev HE with advanced control.  
 Some sizes can achieve operating limits slightly different.  
 For details, refer to specific documentation.

## ADVANCED CONTROL FEATURES

- > Integrated web server with user friendly interface
- > USB, RS485 and Ethernet ports as standard
- > Recording of unit parameters one month long

## MULTILOGIC FUNCTION

- > Manage up to 31 slaves with different logics and priority levels



## MICROCHANNEL ALUMINIUM COIL

**Zeta/Beta REV** units use this new generation of condensing coil as standard.



### FEATURES & BENEFITS

- Extended life cycle
- **30% less refrigerant**
- less air side pressure drop

## NIGHT SHIFT SYSTEM



The unit can operate in high efficiency mode or super low noise mode according to day time setting.

Zeta Rev HE\* ↔ Zeta Rev SLN

**up to 3 dB(A)**  
of sound power reduction

\*Zeta Rev HE must be configured respectively as Zeta Rev SLN

## BUILT -IN HYDRAULIC MODULE

The unit can be equipped with an insulated integral buffer tank and one or two circulation pumps (standard , oversized, inverter or for high glycol).

## EC AXIAL FANS



EC axial fans with electronically commutated brushless motor as option.

▶ **15%** energy saving per fan

## CENTRIFUGAL FANS



**Beta Rev:** basic indoor version with centrifugal fans.

## EC RADIAL FANS



EC radial fans with "**Horizontal air discharge**" as option always available.

- ▶ **no need maintenance**
- ▶ **condensing control** with fan speed regulation
- ▶ **automatic adaptation** to the pressure drops of duct



**Total tower**  
Berlin - Germany  
2x Zeta Echos  
2x Tetris  
Supply -> 1,3 MW



# Blue Box applied product range

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



## Tetris 2 series > 84÷913 kW

High efficiency air cooled modular chillers and heat pumps.



## Kappa Rev series > 296÷1983 kW

High efficiency air cooled modular chillers and heat pumps.



## Omega V Echos series > 143÷1569 kW

High efficiency water cooled chillers.



## Tetris W series > 32÷615 kW

High efficiency water cooled chillers and heat pumps with integrated hydronic module.



## Omicron S Evo > 31÷226 kW

Air cooled multifunctional units for independent production of domestic hot water, heating and cooling.



## Omicron V Evo > 230÷773 kW

Air cooled multifunctional units for independent production of domestic hot water, heating and cooling.



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