

ZEUS K-P HFO1234ze

Extremely Low GWP refrigerant HFO1234ze **Compact Chiller**



Advantages

- **Extremely low GWP refrigerant**
 - HFO1234ze: GWP < 1
- **Astonishing energy efficiency** compressors technology
 - Oil free centrifugal compressor
 - Lowest maintenance costs
- **Compact machine** with vertical shell & tubes exchangers
 - Very small footprint < 1.6 m²
 - Fits into standard elevators
- **Flexible solution** vertical shell & tubes exchangers
 - Modular system
 - Suitable for hot water production



The **energy-efficient** and **compact** solution that fits everywhere!

EFFICIENCY

ZEUS K-P achieves a wide modulation of cooling capacity, granting great energy savings throughout the year. The unit both complies with the **Eco-design directive** on energy performance and exceeds the limits set by the **F-Gas Regulation**.

TEMPERATURE CONTROL

The advanced proprietary software fully exploits the infinite-steps capacity of centrifugal compressors for an **extreme precision** of water temperature control. This feature is further emphasized when multiple chillers are easily connected into a single system by means of preconfigured settings.

APPLICATIONS

ZEUS K-P is the simplest solution for those applications that requires a combination of **high-level comfort** and **narrow spaces**, such as historical buildings, towers, museums, etc.



LATEST-TECHNOLOGY now available for OIL-FREE systems



Proven
Performance
Kit **5** yw

Highest efficiency

- Oil-free centrifugal compressor with highest energy efficiency levels
- Wide capacity modulation and extreme precision in temperature control for the best comfort
- Greatest energy savings throughout the year

Innovation

- Totally new design of shell & tubes exchangers
- Proprietary software with intuitive programming and unique features
- Impressive containment of operating costs

Flexible, easy solution

- Fits into narrow spaces and standard elevators
- Modular concept for small footprint applications
- Easy commissioning procedure, even for multiple chillers configuration
- Wide temperature range, suitable for hot water production till 50°C

Reliability, first of all: PPK - 5 yw

- Five-years warranty!
- Unit monitoring in real time:
 - advanced diagnostics for maintenance purposes
 - instant/periodic report of energy efficiency
- Remote connection via WEB on all devices

ZEUS K-P 310-F-1C-1IE-44-H R1234ze compact chiller

Technical data

| Unit performance ⁽¹⁾ | | |
|---------------------------------|------|------|
| Cooling capacity | [kW] | 310 |
| EER | - | 5.76 |

Sound levels

| | | |
|---------------------|---------|------|
| Sound power Lw(A) | [dB(A)] | 87.5 |
| Sound pressure – 5m | [dB(A)] | 61.0 |

Dimensions and weights

| | | |
|-----------------|------|--------------------------|
| Length (L) | [mm] | 1100 |
| Depth (D) | [mm] | 1444 |
| Height (H) | [mm] | 1919-2197 ⁽²⁾ |
| Shipment weight | [kg] | 1350 |

(1) REFERENCE CONDITIONS

Evaporator: Water, 12.0/7.0°C
Condenser: Water, 30.0/35.0°C

(2) Without-with removable water boxes

