

Unit description



Indoor unit for the production of chilled water featuring centrifugal compressors oil-free, with refrigerant HFO (1234-ze), electronic regulation valve, shell and tube condenser and shell and tube flooded evaporator. Base and supporting structure and panels are of galvanized epoxy powder coated steel with increased thickness. Flexible and reliable unit; it easily adapts itself to different thermal load conditions thanks to the precise thermoregulation together with the use of inverter technology. The compressor is radically innovative: magnetic bearings and digital rotor speed control allow partial load efficiency levels to be reached that were hither to impossible.

Versions

- **HC** - High Condensing

Configurations

- - - Basic function
- **H** - Function with heat pump, reversible on hydraulic side

Features

- **HFO REFRIGERANT**
4th generation refrigerant HFO 1234ze, with negligible greenhouse effect in comparison with traditional HFC refrigerants (Global Warming Potential GWP of HFO 1234ze < 1, GWP of R134a = 1300 as per IPCC rev. 5th) and zero impact on the ozone layer.
- **VERY HIGH EFFICIENCY**
Very high efficiency at full and partial load, to top market levels, thanks to adopted technological solutions: large capacity modulation and expanded exchanger, offering minimum running costs of the unit in real working conditions.

- **EXTREMELY SILENT OPERATION**
Extremely silent operation in line with the best on the market, and highly reduced vibrations
- **LOW INRUSH CURRENTS**
Reduced breakaway starting currents thanks to the revolutionary centrifugal compressor.
- **AHRI CERTIFICATION**
Certified in accordance with the AHRI Water-Cooled Water-Chilling and Heat Pump Water-Heating Packages Certification Program, which is based on AHRI Standard 550/590 (I-P). Certified units may be found in the AHRI Directory at www.ahridirectory.org

Accessories

- Integral acoustical enclosure (type base or plus)
- VPF (Variable Primary Flow) system
- Several devices for condensation's control
- Leak detector
- Set-up for remote connectivity with ModBus/Echelon protocol cards