

Unit description



Indoor unit for the production of chilled water featuring centrifugal compressors oil-free, with R513A, 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.

Configurations

- - - Basic function

Features

- NO COMPROMISE
Large availability in the combinations of the compressors (up to 6 compressors on the same unit), plus the flexibility in the choice of the heat exchangers can satisfy each specific installation and design requirements: the highest full load efficiency, the best initial investment, an unrivaled seasonal efficiency, an operating range suitable for applications in systems operating at high or low condensation (dry coolers or cooling towers)
- 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.
- FLEXIBLE COMPOSITION
Choice between horizontal or diagonal arrangement of the heat exchangers, with dimensions that favor the compact overall dimensions in

height or plant, water connections to the evaporator and condenser that can be deployed on the right or left, to fit for all applications

- **ADAPTABILITY**
Adaptability at the building's heating request thanks to the continuous capacity regulation, assured by sophisticated control's logic.
- **LOW INRUSH CURRENTS**
Reduced breakaway starting currents thanks to the revolutionary centrifugal compressor.
- **EXTREMELY SILENT OPERATION**
Extremely silent operation in line with the best on the market, and highly reduced vibrations

Accessories

- Integral acoustical enclosure (type base or plus)
- VPF (Variable Primary Flow) system
- Set-up for remote connectivity with ModBus/Echelon protocol cards
- Several devices for condensation's control
- filters kit for conformity to EN 61000-6-3 (residential ambients)