

Unit description



Outdoor unit for the production of chilled water with fixed speed and variable speed (Inverter Driven) Scroll compressors, optimized for R410A in a single-circuit configuration, axial-flow fans, micro-channel full-aluminum air coils and electronic expansion valve as standard equipment. Flexible and reliable unit; it easily adapts itself to different IT Cooling applications thanks to the precise temperature control together with the use of inverter technology. The high performance's level, both full and partial load, is achieved thanks to the accurate unit's design and to the use of fixed speed motor together with variable speed (inverter) motor.

versions

- - - Basic
- **SL** - Super-low noise version

Configurations

- - - Basic function
- **D** - Partial condensing heat recovery function

Features

- **HIGH EFFICIENCY**
Unit with high efficiency and reduced energy consumption, thanks to the inverter technology, contributing to lower operating costs and therefore achieving a quick return on investment.
- **ErP READY**
The highest level of efficiency at part load, thanks to the inverter technology, can meet and exceed the minimum seasonal energy performance ratio, SEPR, in accordance with the eco-sustainable design requirements for all products using energy. The units already comply with the minimum seasonal energy efficiency requirements that will start from

2021. For this reason, the unit represents the best choice for all the IT Cooling installations.

- **VARIABLE PRIMARY FLOW (OPTION)**
Energy saving due to variable pump speed management based on load demand and the variable flow assures the functioning of the units also with critical working conditions.
- **INTEGRATED HYDRONIC MODULE**
The built-in hydronic module already contains the main water circuit components; it is available as an option with single or twin in-line pump, for achieving low or high head, fixed or variable speed and buffer tank.
- **ALUMINUM MICRO-CHANNEL HEAT EXCHANGERS**
This new range of chiller uses aluminum micro-channel condensers that ensure a premium level of efficiency. This solution also allows to reduce the refrigerant charge with respect to traditional copper / aluminum coils and to reduce the weight of the unit.
- **WIDE OPERATING RANGE**
Full load operation is ensured with outdoor air temperature up to 48 ° C during summer. Dedicated accessories allow the unit operation down to -20 ° C of outdoor air temperatures during winter. Production of evaporator leaving water temperature up to 20 ° C.

Accessories

- Remote control keyboard (distance to 200m and to 500m)
- Set-up for remote connectivity with ModBus / Echelon protocol cards
- Compressor power factor correction
- Soft start
- Hydronic kit available in different configurations with 1 or 2 pumps fixed speed or variable speed and buffer tank
- VPF (Variable Primary Flow) system
- EC fans with electronic DC brushless motor
- LOW NOISE KIT (only on no silenced versions)
- User Limit Control (ULC) allows the safe startup of the unit in critical conditions of water and air temperature.
- Night mode is a system setting to limit maximum noise level of the unit.
- Microchannel coils with e-coating protection
- Traditional coils with copper tubes and aluminum fins, also available with prepainted fins or Fin Guard Silver protective treatment.