



### Unit Description

Air cooled water chillers with Freecooling system featuring hermetic scroll compressors.  
Cooling capacity 51 - 177 kW.

#### VERSIONS

- Chiller with freecooling system;
- Acoustic configurations:
  - N (standard);
  - SN (low noise);
  - SSN (very low noise).



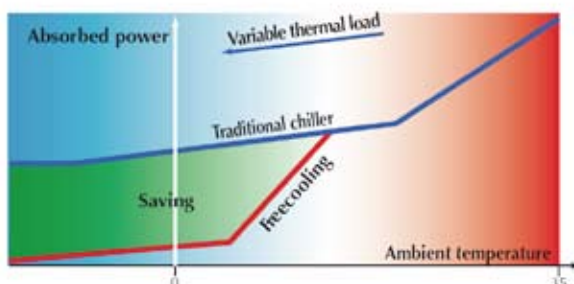
### Unit Features

- Power supply 400/3/50.
- Parallel Scroll compressor coupling within single refrigerant circuit.
- Finned coil evaporator inside the tank (201 - 301) and shell and tube evaporator (351 - 751).
- Condensers and fans installed in a separate compartment with aeraulic isolation, for maximum Free-Cooling effect and maximum overall energy efficiency.
- Axial fans with crescent shaped blades featuring step regulation
- 3-way modulating valve for Free-Cooling (controlled by microprocessor), water connections within chiller.
- Total Free-Cooling from approximately 10°C below the water outlet temperature.
- Water differential pressure switch on evaporator
- High and low pressure transducers.
- Single or twin high pressure switches for max condensing pressure control.
- Electronic expansion valve with external equalisation refrigerant filter, sight glass, solenoid valve on liquid line (except 201-301).
- Safety valve (except 201 - 301).
- Microprocessor control with advanced software ensuring optimum control in all conditions.
- Main switch.
- Protection grade IP54.
- Refrigerant R407C.

### Unit Benefits

- Maximum exploitation of free cooling and maximum energy efficiency of the system with respect to conventional solutions, thanks to the independence of the coils in terms of air handling.
- Accurate control of water outlet temperature (including at low temperatures - down to -15°C), thanks to the use of a modulating three-way water valve.
- Generous sizing of coils for free-cooling.
- Operates at high ambient temperatures thanks to the compressor unloading.
- Version SSN featuring extremely quiet operation.
- User friendly control section with simple readout and graphic display.
- Simple to install and maintain easily accessible components.
- Environmental friendly, with zero ODP refrigerant R407C.

### Energy Saving



### Unit Accessories

- Compressor suction and discharge valves
- Axial fans with step or electronic regulation
- Electronic expansion valve (except 201-301)
- Hydronic group without pump (201-301 only)
- Hydronic group with single or twin pump (351-751)
- High and low head pressure pumps
- Air filter on coil (standard on 201-301)
- -15°C ambient temperature version
- Crankcase heater
- Phase monitor
- Correction capacitor (351-751)
- Anti-vibration dampers
- Remote control kit
- Remote display kit
- Supervisor system kits.

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at ICS Industrial Cooling and we reserve the right to change the design and specifications without notice or obligation. Availability is subject to change without notice. Contact your local ICS Industrial Cooling depot for availability. © 2009 ICS Industrial Cooling. All rights reserved.