



Unit Description

Air cooled water chillers with Freecooling system featuring double screw semihermetic compressors. Cooling capacity 187 - 494 kW.

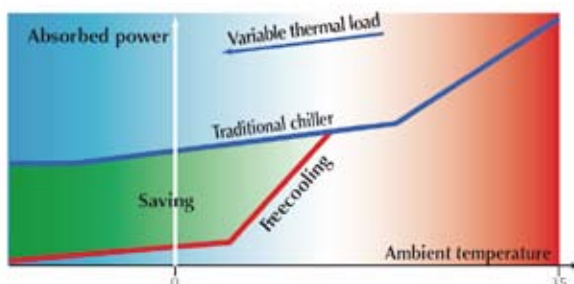
VERSIONS

- Chiller with freecooling system;
- Acoustic configurations:
 - C standard; - SC low noise;
 - SF low noise high ambient temperature;
 - SSF very low noise.

Unit Features

- 400/3/50 power supply.
- Twin screw compressors with crankcase heater and oil level control.
- Part winding start for reduced current spikes.
- Compressor suction and discharge valves.
- Shell and tube evaporator.
- Independent refrigeration circuits.
- Condensers and fans installed in separate section with aeraulic isolation for the maximum exploitation of Free-Cooling and the maximum overall energy efficiency of the system.
- Axial fans with crescent shaped blades.
- 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.
- Electronic expansion valve with external equalisation, refrigerant filter, sight glass, solenoid valve on liquid line.
- Safety valve (except 0801 - 1101).
- Microprocessor control with advanced software ensuring optimum control in all conditions.
- Main switch.
- Protection grade IP54.
- SSF fitted silencers, flexible tubing and compressor vibration damping.
- Refrigerant R407C.

Energy Saving



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.
- Version SSF 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.

Unit Accessories

- Compressor silencing canopy on C version (standard on other version)
- Correction capacitor
- Axial fans with continuous regulation
- Fused or MCB electrical protection
- Air filters on coils
- -15 °C ambient temperature version
- Anti-vibration dampers
- Kit for remote control
- Supervision 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.