

Unit Description

Air cooled water chillers, heat pumps, condensing units and reversible condensing units with R410A or R407C featuring rotary or hermetic scroll compressors. Cooling capacity 4 - 67 kW, heating capacity 5 - 72 kW.

VERSIONS

- Chiller;
- Heat pump;
- Condensing unit (R407C);
- Reversible condensing unit (R407C);
- Split chiller system in chiller mode or reversible heat pump (R407C).



Unit Features

- Hermetic Rotary compressors (013-020) Scroll compressors (031- 171) tandem Scroll compressors (211-301).
- Integral hydronic kit complete with pump, tank, expansion vessel, filling/drain valve, pressure gauge, and automatic bleed valve.
- Hydraulic couplings directly accessible from the unit exterior;
- Brazed stainless steel plate evaporator
- Axial fans with sickle shaped blades, electronic speed control
- Heat pumps with 2nd thermostatic valve for performance optimisation in all operating conditions (models 131 to 301).
- Protection grade IPX4.
- Factory tested and supplied with refrigerant charge and antifreeze oil.
- Environmentally friendly refrigerants with R410A and R407C zero ozone depletion potential.

Unit Benefits

- Extremely low noise levels
- High EER/COP values and seasonal performance indices.
- Ideally suited to commercial and domestic chilled water air-conditioning applications.
- Extended operating limits
- Optimisation of heat pump defrosting cycles thanks to the exclusive Frost Detecting System (FDS) (Minimum ambient temperature in heat pump mode= -10 °C).
- Self-adaptive temperature control (SAC) for efficient operation with installations having low water contents.
- Designed for installation in confined spaces.
- Easy to use thanks to a controller with icon-based dual display.
- Easy installation and simple access to all chiller components.
- Compatible with the very latest supervisor and interface systems (BMS).

Additional Options

- Configuration without storage tank.
- High/medium pressure head pump.
- Double pump, with one in stand-by (models 081-301).
- Condensate collection tray with hose connection (models 013-071).
- Anti-freeze heaters on evaporator, pump and tank.
- Replicated remote control interface.
- RS485 ModBus interface for connection to supervisor systems.
- X-WEB300 kit for local or remote (GSM mobile phone) monitoring plus data filing based on WEB server technology.
- Anti-vibration mountings.

Equipment designed to ISO-9001 and all relevant directives. Product improvement is a continual process at ICS Air Conditioning and we reserve the right to change the design and specifications without notice or obligation.

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