



airconditioning

HVAC TECHNOLOGY

ORION

Data Sheet

Unit Description

Chillers with centrifugal fans, heat pumps, with hermetic scroll compressors. Cooling capacity from 17 to 67 kW.

Chillers with centrifugal fans, heat pumps, with hermetic scroll compressors. Cooling capacity 17 – 66 kW, heating capacity 20 – 75 kW

VERSIONS

- Chiller
- Heat pump



Unit Features

- Hermetic scroll compressors (tandem dual compressor from model 211).
- Integral hydronic kit complete with centrifugal pump, tank, expansion vessel, relief valve, filling/drain valve, pressure gauge, and manual bleed valve.
- Brazed stainless steel plate evaporator.
- Centrifugal fans with fan wheel having forward curved blades, double suction and belt drive transmission with variable pitch pulley.
- Microprocessor controller.
- Main door lock disconnect switch
- Condensate tray with threaded drain connection
- Refrigerant charge, non-freezing oil, and factory testing.
- R407C refrigerant.

Unit Benefits

- High installation flexibility: direction of condensing air expulsion easily changed, even in site.
- Ideal for hydronic air conditioning installations in residential surroundings and public buildings.
- Complete with storage tank and pump to facilitate installation and start-up operations.
- Designed for installation in confined spaces.
- High EER and COP values.
- Extended operating limits.
- Optimisation of heat pump defrosting cycles thanks to the exclusive Frost Detecting System.
- Self-adaptive temperature control logic.
- Extremely quiet even without the use of sound Insulating devices.
- Easy to use thanks to an intuitive controller with dual icon-based display
- Practical routine maintenance with easily accessible internal parts.

Unit Accessories

- Layout without storage tank
- High/medium pressure head pump
- Kit for changing orientation of fans delivery port
- Fans electronic speed control kit
- Replicated wall-mounted remote control kit
- 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 mounts kit
- Polyurethane filters kit for the condensing coil
- Condensing coil with anticorrosion treatment
- Phase monitor kit
- Serial communications module kit.

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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