

Unit Description

Water cooled water chillers featuring hermetic scroll compressors.
Cooling capacity 232 - 543 kW.

VERSIONS

- Chiller.
- Heat pump with cycle inversion on the hydraulic side.
- Evaporating unit with in/out shut-off valves, designed for use with a remote condenser.
- Super heater, for recovery of approximately 20% of rejection heat.
- Recovery condensers (50% or 100% recovery of rejected heat).



Unit Features

- 3 to 6 hermetic scroll compressors, positioned in parallel in one or two circuits.
- Brazed stainless steel plate evaporators and condensers.
- Designed for outdoor operation (IP54 protection rating).
- Shut-off valve and solenoid valve on the liquid line.
- Individually factory tested, charged with refrigerant and antifreeze oil, ready for operation.
- Refrigerant R407C (R22 on request).

Additional Options

- Condensing pressure control valve.
- Anti-vibration dampers.
- Duplicated remote control kit.
- RS485 MODBUS interface kit for connection to supervisor systems.
- X-WEB300 remote supervision, allowing local or remote monitoring via a web server or a GSM cell phone.
- Matching cooling towers or dry coolers available on request.

Unit Benefits

- High EER/COP levels, especially at partial loads.
- Reduced noise levels, thanks also to the availability of two differing acoustic versions.
- 90 models: cooling only, heat pump, partial recovery, total recovery and evaporating unit, in standard and low noise versions.
- Reduced dimensions.
- Flexibility of use, sized for operation with either tower or well water.
- Allows start-up and operation in even the most severe conditions thanks to the unloading function.
- Easy installation and complete access to all internal components.
- Easy to use thanks to an intuitive controller with dual icon display.
- Compatible with the latest BMS supervision and interface systems.

Importance of Operation at Partial Load

The standardised IPLV and ESEER indices establish the average weighted efficiency of a chiller and provides Insight – in a more accurate manner than the EER value

– into the relationship between the useful effect (energy removed from the rooms) and the energy expended (electrical power consumption) of an air conditioning unit throughout an entire season of operation.

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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