



## Unit Description

### RECS

Reverse cycle air/water heat pumps from 195kW to 660kW with R-134a

ICS through their Climaveneta brand presents RECS the recovery energy system. This range of extremely efficient heat pumps are the only ones to use R-134a refrigerant, set out to replace traditional winter heating systems.



## Unit Features

- **FLEXIBILITY AND VERSITILITY**

The RECS units feature excellent results in a wide range of heating and cooling capacities, up to 700kW, with several versions as far as acoustic emissions are concerned.

Advantages enhanced by this extended operation range of these units, both in summer as well as in winter mode, thus ensuring highest application flexibility.

- **EXCELLENT COSTS/PERFORMANCE RATIO**

The RECS units are characterised by a competitive initial cost plus the efficiency that only R-134a can grant.

Only by using evolved technical solutions is it possible to couple high performance and low cost.

Now generation compressors, embodied into a dedicated design and combined with an enhanced microprocessor controller highlight the efficiency of these units and have enabled us to achieve compact and reliable units at competitive prices.

- **HEAT PUMPS WITH SMART DEFROST**

All RECS units are provided with an advanced defrosting device, innovating the control of traditional heat pump units. Smart Defrost is a defrost control logic that reduces both unit downtime and energy consumption to a minimum.

- **WATER TEMPERATURE UP TO 55 degC**

The RECS range offers users heating water temperatures of up to 55 degC even at low external air temperatures helping to provide an energy efficient solution for the most modern heating system applications.

- **-10 degC EXTERNAL AIR TEMPERATURE**

With heat pump operation guaranteed at external air temperatures as low as -10 degC the RECS range is a valid alternative to traditional air-conditioning and heating systems (chiller and boiler).

## Unit Benefits

- **PARTIAL HEAT RECOVERY**

While producing cooling or heating, it is also possible to produce hot water.

D configuration allows the heat recovery of up to 20% of the total power provided by the desuperheater.

- **ON-BOARD PUMPS**

The pumping group is offered, also with tank; (excepted sizes 1062-1962; pump as standard for sizes 1052-1952). The pumping group is offered with 1 or 2 pumps, with 2 or 4 pole motors, with different static head options, for the diversified industrial and comfort applications.

- **EVOLVED CONTROLLER**

The high performance of the RECS units are made possible chiefly thanks to the control devices provided with these series. Every unit includes the W3000 large controller. Moreover optional devices are offered such as Manager 3000, for the centralized management of multiple units, and the FWS3000 supervisory system.

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.

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